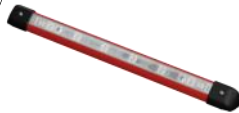


Dutch Electro

t r a n s p o r t l i g h t i n g

**LED
Catalogue**



2020




EN

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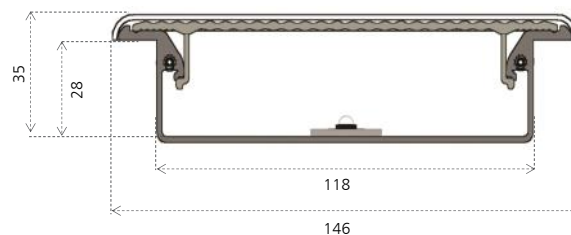
1

Recessed LED fittings

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1

Recessed LED fittings



Properties

Fitting type	Recessed
Base	Aluminium, white powder coated
Diffuser	Polycarbonate, clear or opaque
End caps	Polycarbonate, white or grey, mounted with stainless steel screws
Voltage range	* 10 - 30 VDC multi-volt
Watertight	No (see page 3.02 Canal 28 WT series)
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system	Yes, custom-made fittings are possible (> approx. 1.7 meter)
Switch	Option, 2 positions, 3 positions or dim switch
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	Option, LED (blue, red, green or white), via additional wire
Dimmable	Option * 2 positions (30 / 100%), via additional wire * stepless dimmable only available with 27 LED module (15 - 100%)

From page 7.02 you will find more technical information.

Multi-voltage 25W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L OO choices) E4 = type approval
High power LED (25W/m)						E4 10R-05 012573
4	10-30	1	3	450/550/450	221 x 118 x 28	CA28 B 101 D E L OO
8	10-30	2	6	900/1100/900	221 x 118 x 28	CA28 B 201 D E L OO
8	10-30	1	6	900/1100/900	320 x 118 x 28	CA28 B 103 D E L OO
16	10-30	2	12	1800/2200/1800	320 x 118 x 28	CA28 B 203 D E L OO

Article number (B D E L OO choices)

B = Base	1 = White
D = Diffuser	H = Clear O = Opaque
E = End caps	W = White G = Grey
L = Light colour	1 = Natural white 2 = Cool white 3 = Warm white
OO = Option	00 = No option
	02 = Switch, 2 positions ¹
	03 = Switch, 3 positions ¹

¹ The switch with 2 positions is available in white and black, the switch with 3 positions is available exclusively in black.

Multi-voltage 25W/m, white dimmable LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L OO choices) E4 = type approval
High power LED (25W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 012573
4	10-30	1	3	450/550/450	221 x 118 x 28	CA28 B 110 D E L OO
8	10-30	2	6	900/1100/900	221 x 118 x 28	CA28 B 210 D E L OO
8	10-30	1	6	900/1100/900	320 x 118 x 28	CA28 B 111 D E L OO
16	10-30	2	12	1800/2200/1800	320 x 118 x 28	CA28 B 211 D E L OO

Please view the next page for more available versions.

Article number (B D E L OO choices)

B = Base	1 = White
D = Diffuser	H = Clear O = Opaque
E = End caps	W = White G = Grey
L = Light colour	1 = Natural white 2 = Cool white 3 = Warm white
OO = Option	00 = No option
	02 = Switch, 2 positions ¹
	03 = Switch, 3 positions, switch between 30% and 100% ¹

¹ The switch with 2 positions is available in white and black, the switch with 3 positions is available exclusively in black. Please contact us for the possibilities with special switch options.

Multi-voltage 25W/m, white LEDs or white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (25W/m)						E4 10R-05 012577
7.5	10-30	1	21 + 0	1000	320 x 118 x 28	CA28 B 116 D E L O O
Mid power LED (25W/m)						E4 10R-05 012577
7.5	10-30	1	21 + 6	1000	320 x 118 x 28	CA28 B 116 D E L O O

Article number (B D E L O O choices)

B = Base	1 = White					
D = Diffuser	H = Clear	O = Opaque				
E = End caps	W = White	G = Grey				
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white			
OO = Option	00 = No option	42 = 2S ^{2,4}	43 = 3S ^{3,4}			
	40 = LED NL blue ¹	42 = LED NL blue + 2S ^{1,2,4}	43 = LED NL blue + 3S ^{1,3,4}			
	50 = LED NL red ¹	52 = LED NL red + 2S ^{1,2,4}	53 = LED NL red + 3S ^{1,3,4}			
	60 = LED NL green ¹	62 = LED NL green + 2S ^{1,2,4}	63 = LED NL green + 3S ^{1,3,4}			
	80 = LED NL white ¹	82 = LED NL white + 2S ^{1,2,4}	83 = LED NL white + 3S ^{1,3,4}			

¹ NL = Night light

² 2S = switch, 2 positions on white LEDs

³ 3S = Switch, 3 positions, switch between white and coloured LEDs

⁴ The switch with 2 positions is available in white and black, the switch with 3 positions is available exclusively in black.

Please contact us for the possibilities with special switch options.

Multi-voltage 25W/m, white dimmable LEDs + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (25W/m, stepless dim 15 - 100% or 2 steps 30 / 100%)						E4 10R-05 012577
7.5	10-30	1	21 + 6	1000	320 x 118 x 28	CA28 B 109 D E L O O

Article number (B D E L O O choices)

B = Base	1 = White					
D = Diffuser	H = Clear	O = Opaque				
E = End caps	W = White	G = Grey				
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white			
OO = Option	40 = LED NL blue ¹	44 = LED NL blue + dim switch ¹				
	50 = LED NL red ¹	54 = LED NL red + dim switch ¹				
	60 = LED NL green ¹	64 = LED NL green + dim switch ¹				
	80 = LED NL white ¹	84 = LED NL white + dim switch ¹				

¹ NL = Night light

Please contact us for the possibilities with special switch options.

Example

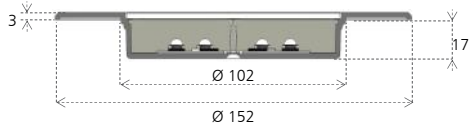
Article number CA28 1 103 H W 1 02 results in the following article:

Recessed fitting 'Canal 28'

- * 320x118x28mm (cut-out size)
- * base white powder coated
- * 1x6 high power LED module
 - 6x natural white
 - 8W/10-30VDC (multi-volt)
 - light output 900 lm
- * clear diffuser/white end caps
- * mounting via screws (not included)
- * switch, 2 positions

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Recessed LED fittings



Standard



Switch



Motion sensor

Properties

Fitting type	Recessed
Base	Aluminium, white, grey or black powder coated
Diffuser	Polycarbonate, clear or opaque
Voltage range	* 12 VDC (10 - 14) or 24 VDC (22 - 28) mono-volt * 10 - 30 VDC multi-volt
Watertight	No (see page 3.06 Disc WT RE series)
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system	No
Switch	Option, 2 positions (white or black) or 3 positions (black)
Motion sensor	Option, integrated in the fitting * 9 possible delay times, ranging from 15 sec to 30 min (default 1 min) * Configurable with an on board potentiometer on mono-volt versions.
Night light	Option, 6 LEDs (blue, red or green), via additional wire
Dimmable	Option * 2 positions (30 / 100%), via additional wire on 10 - 30 VDC multi-volt * Variable dim (0 - 100%) via external PWM dimmer up to a maximum of 1000 Hz, on specified versions

Inquire about the possibilities for negative switched LED modules with night light and / or 2 dimming positions.
For specific mounting instructions, please refer to our website: www.dutchelectro.com/downloads.
From page 7.02 you will find more technical information.



White powder coated, opaque diffuser



Grey powder coated, opaque diffuser



Black powder coated, opaque diffuser

Mono-voltage, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (Ø x H in mm)	Article number (B M D L OO choices) E4 = type approval
Mid power LED						E4 10R-05 014099
3	12	1	6	300/350/300	Ø 102 x 17	DIRE B M 33 D L OO
6	12	1	12	600/700/600	Ø 102 x 17	DIRE B M 35 D L OO
9	12	1	18	900/1100/900	Ø 102 x 17	DIRE B M 37 D L OO
12	12	1	24	1200/1400/1200	Ø 102 x 17	DIRE B M 39 D L OO
Mid power LED						E4 10R-05 014099
3	24	1	6	300/350/300	Ø 102 x 17	DIRE B M 34 D L OO
6	24	1	12	600/700/600	Ø 102 x 17	DIRE B M 36 D L OO
9	24	1	18	900/1100/900	Ø 102 x 17	DIRE B M 38 D L OO
12	24	1	24	1200/1400/1200	Ø 102 x 17	DIRE B M 40 D L OO

Cable out-coming: 1x positive, 1x negative

The 12 Watt versions that are equipped with a motion sensor use 23 LEDs instead of 24. The light output remains unchanged. Please view the next page for more available versions.

Article number (B M D L OO choices)

B = Base **1** = White **2** = Grey **3** = Black

M = Earthing **0** = Unearthed **1** = Negative to ground

D = Diffuser **H** = Clear **O** = Opaque

L = Light colour **1** = Natural white **2** = Cool white **3** = Warm white

OO = Option **00** = No option

02 = Switch **A7** = PIR 15 seconds ^{2 3} **E7** = PIR 10 minutes ^{2 3}

2 positions ¹ **H7** = PIR 30 seconds ^{2 3} **F7** = PIR 15 minutes ^{2 3}

03 = Switch **B7** = PIR 1 minute (STD) ^{2 3} **J7** = PIR 20 minutes ^{2 3}

3 positions ¹ **C7** = PIR 2 minutes ^{2 3} **G7** = PIR 30 minutes ^{2 3}

D7 = PIR 5 minutes ^{2 3}

¹ The switch with 2 positions is available in white and black, the switch with 3 positions is available exclusively in black.

² PIR = motion sensor (delay time adjustable to values listed above via onboard potentiometer)

³ Mono-voltage versions of Disc fittings have 2 additional out-coming wires, to which one or more fittings without a sensor can be connected.

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06, not in combination with PIR).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Recessed size (Ø x H in mm)	Article number (B M D L O O choices) E4 = type approval
Mid power LED						E4 10R-05 014099
3	12	1	6 + 6	300/350/300	Ø 102 x 17	DIRE B M 33 D L O O
6	12	1	12 + 6	600/700/600	Ø 102 x 17	DIRE B M 35 D L O O
9	12	1	18 + 6	900/1100/900	Ø 102 x 17	DIRE B M 37 D L O O
12	12	1	24 + 6	1200/1400/1200	Ø 102 x 17	DIRE B M 39 D L O O
Mid power LED						E4 10R-05 014099
3	24	1	6 + 6	300/350/300	Ø 102 x 17	DIRE B M 34 D L O O
6	24	1	12 + 6	600/700/600	Ø 102 x 17	DIRE B M 36 D L O O
9	24	1	18 + 6	900/1100/900	Ø 102 x 17	DIRE B M 38 D L O O
12	24	1	24 + 6	1200/1400/1200	Ø 102 x 17	DIRE B M 40 D L O O

Cable out-coming: 2x positive (white and coloured light), 1x combined negative
Please view the next page for more available versions.

Article number (B M D L O O choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed	1 = Negative to ground	
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹	42 = LED NL blue + 2S ^{1 2 4}	43 = LED NL blue + 3S ^{1 3 4}
	50 = LED NL red ¹	52 = LED NL red + 2S ^{1 2 4}	53 = LED NL red + 3S ^{1 3 4}
	60 = LED NL green ¹	62 = LED NL green + 2S ^{1 2 4}	63 = LED NL green + 3S ^{1 3 4}

¹ NL = Night light

² 2S = switch, 2 positions on white LEDs

³ 3S = Switch, 3 positions, switch between white and coloured LEDs (cable out-coming 1x positive, 1x negative)

⁴ The switch with 2 positions is available in white and black, the switch with 3 positions is available exclusively in black. Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (Ø x H in mm)	Article number (B M D L OO choices) E4 = type approval
High power LED						E4 10R-05 012574
5	10-30	1	3	600/700/600	Ø 102 x 17	DIRE B M 04 D L OO
8	10-30	1	6	900/1100/900	Ø 102 x 17	DIRE B M 05 D L OO
11	10-30	1	6	1200/1400/1200	Ø 102 x 17	DIRE B M 24 D L OO

Cable out-coming: 1x positive, 1x negative

Article number (B M D L OO choices)

B = Base **1** = White **2** = Grey **3** = Black

M = Earthing **0** = Unearthed **1** = Negative to ground

D = Diffuser **H** = Clear **O** = Opaque

L = Light colour **1** = Natural white **2** = Cool white **3** = Warm white

OO = Option **00** = No option

02 = Switch **A7** = PIR 15 seconds² **E7** = PIR 10 minutes²

2 positions¹ **H7** = PIR 30 seconds² **F7** = PIR 15 minutes²

03 = Switch **B7** = PIR 1 minute (STD)² **J7** = PIR 20 minutes²

3 positions¹ **C7** = PIR 2 minutes² **G7** = PIR 30 minutes²

D7 = PIR 5 minutes²

¹ The switch with 2 positions is available in white and black, the switch with 3 positions is available exclusively in black.

² PIR = motion sensor

Multi-voltage, white dimmable LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (Ø x H in mm)	Article number (B M D L OO choices) E4 = type approval
High power LED (2 positions dimmable 30 / 100%)						E4 10R-05 012574
5	10-30	1	3	600/700/600	Ø 102 x 17	DIRE B M 12 D L OO
8	10-30	1	6	900/1100/900	Ø 102 x 17	DIRE B M 13 D L OO
11	10-30	1	6	1200/1400/1200	Ø 102 x 17	DIRE B M 26 D L OO

Cable out-coming: 2x positive (white light 100% and white light 30%), 1x combined negative
Please view the next page for more available versions.

Article number (B M D L OO choices)

B = Base **1** = White **2** = Grey **3** = Black

M = Earthing **0** = Unearthed **1** = Negative to ground

D = Diffuser **H** = Clear **O** = Opaque

L = Light colour **1** = Natural white **2** = Cool white **3** = Warm white

OO = Option **00** = No option

02 = Switch, 2 positions¹

03 = Switch, 3 positions, switch between 30% and 100% (cable out-coming 1x positive, 1x negative)¹

¹ The switch with 2 positions is available in white and black, the switch with 3 positions is available exclusively in black.

Please contact us for the possibilities with special switch options.

Multi-voltage, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Recessed size (Ø x H in mm)	Article number (B M D L OO choices) E4 = type approval
High power LED						E4 10R-05 012574
5	10-30	1	3 + 6	600/700/600	Ø 102 x 17	DIRE B M 04 D L OO
8	10-30	1	6 + 6	900/1100/900	Ø 102 x 17	DIRE B M 05 D L OO
11	10-30	1	6 + 6	1200/1400/1200	Ø 102 x 17	DIRE B M 24 D L OO

Cable out-coming: 2x positive (white and coloured light), 1x combined negative

Article number (B M D L OO choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed	1 = Negative to ground	
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹	42 = LED NL blue + 2S ^{1 2 4}	43 = LED NL blue + 3S ^{1 3 4}
	50 = LED NL red ¹	52 = LED NL red + 2S ^{1 2 4}	53 = LED NL red + 3S ^{1 3 4}
	60 = LED NL green ¹	62 = LED NL green + 2S ^{1 2 4}	63 = LED NL green + 3S ^{1 3 4}

¹ NL = Night light

² 2S = switch, 2 positions on white LEDs

³ 3S = Switch, 3 positions, switch between white and coloured LEDs (cable out-coming 1x positive, 1x negative)

⁴ The switch with 2 positions is available in white and black, the switch with 3 positions is available exclusively in black.

Please contact us for the possibilities with special switch options.

Multi-voltage, white dimmable LEDs + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Recessed size (Ø x H in mm)	Article number (B M D L OO choices) E4 = type approval
High power LED (2 positions dimmable 30 / 100%)						E4 10R-05 012574
5	10-30	1	3 + 6	600/700/600	Ø 102 x 17	DIRE B M 12 D L OO
8	10-30	1	6 + 6	900/1100/900	Ø 102 x 17	DIRE B M 13 D L OO
11	10-30	1	6 + 6	1200/1400/1200	Ø 102 x 17	DIRE B M 26 D L OO

Cable out-coming: 3x positive (white light 100%, white light 30%, coloured light), 1x combined negative

Article number (B M D L OO choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed	1 = Negative to ground	
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹		
	50 = LED NL red ¹		
	60 = LED NL green ¹		

NL = Night light

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Example

Article number DIRE 2 1 05 H 1 40 results in the following article:

Recessed fitting 'Disc'

* Ø152x17mm (cut-out size Ø102mm)

* 1x6 high power LED module

negative to ground

6x natural white + 6x blue


8W/10-30VDC (multi-volt)

light output 900 lm

* clear diffuser/grey casing

* mounting via screws (not included)

* cable out-coming \pm 30cm/3x1mm²

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

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Recessed LED fittings



Properties

Fitting type	Recessed
Base	Aluminium, silver anodised
Diffuser	Polycarbonate, clear or opaque
End caps	Polycarbonate, white, grey or black, mounted with stainless steel screws
Voltage range	* 12 VDC (10 - 14) or 24 VDC (22 - 28) mono-volt * 10 - 30 VDC multi-volt
Watertight	No (see page 3.12 Micro Canal WT series or 3.14 Micro Canal 60 WT series)
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system	Yes, custom-made fittings are possible (> approx. 1.7 meter)
Switch	Option, touch switch 2 positions (on/off) with 10 minutes timer function (this option will increase the fitting's cut-out length by 55 mm)
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	Option * LED (blue, red, green or white), via additional wire
Dimmable	Option * 2 positions (30 / 100%), via additional wire (not in combination with a touch switch) * Variable dim (0 - 100%) via external PWM dimmer up to a maximum of 1000 Hz, on specified versions

From page 7.02 you will find more technical information.



Silver anodised, opaque diffuser, white end caps



Silver anodised, opaque diffuser, grey end caps



Silver anodised, opaque diffuser, black end caps

Mono-voltage 6.25, 12.5 and 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (6.25W/m)						E4 10R-05 014100
1.25	12	0.5	3	135	271 x 23 x 11	MIC B 0127 D E L O O
2.5	12	1	6	275	471 x 23 x 11	MIC B 1027 D E L O O
3.75	12	1.5	9	410	670 x 23 x 11	MIC B 1127 D E L O O
5	12	2	12	550	869 x 23 x 11	MIC B 2027 D E L O O
6.25	12	2.5	15	685	1068 x 23 x 11	MIC B 2127 D E L O O
7.5	12	3	18	825	1267 x 23 x 11	MIC B 3027 D E L O O
8.75	12	3.5	21	960	1466 x 23 x 11	MIC B 3127 D E L O O
10	12	4	24	1100	1665 x 23 x 11	MIC B 4027 D E L O O
Mid power LED (12.5W/m)						E4 10R-05 014100
2.5	12	0.5	6	275	271 x 23 x 11	MIC B 0129 D E L O O
5	12	1	12	550	471 x 23 x 11	MIC B 1029 D E L O O
7.5	12	1.5	18	825	670 x 23 x 11	MIC B 1129 D E L O O
10	12	2	24	1100	869 x 23 x 11	MIC B 2029 D E L O O
12.5	12	2.5	30	1375	1068 x 23 x 11	MIC B 2129 D E L O O
15	12	3	36	1650	1267 x 23 x 11	MIC B 3029 D E L O O
17.5	12	3.5	42	1925	1466 x 23 x 11	MIC B 3129 D E L O O
20	12	4	48	2200	1665 x 23 x 11	MIC B 4029 D E L O O
Mid power LED (20W/m)						E4 10R-05 014100
4	12	0.5	6	400/385/400	271 x 23 x 11	MIC B 0131 D E L O O
8	12	1	12	800/770/800	471 x 23 x 11	MIC B 1031 D E L O O
12	12	1.5	18	1200/1155/1200	670 x 23 x 11	MIC B 1131 D E L O O
16	12	2	24	1600/1540/1600	869 x 23 x 11	MIC B 2031 D E L O O
20	12	2.5	30	2000/1925/2000	1068 x 23 x 11	MIC B 2131 D E L O O
24	12	3	36	2400/2310/2400	1267 x 23 x 11	MIC B 3031 D E L O O
28	12	3.5	42	2800/2695/2800	1466 x 23 x 11	MIC B 3131 D E L O O
32	12	4	48	3200/3080/3200	1665 x 23 x 11	MIC B 4031 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	4 = Silver		
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	01 = Touch switch		

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 6.25, 12.5 and 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (6.25W/m)						E4 10R-05 014100
2.5	24	0.5	3	135	271 x 23 x 11	MIC B 0128 D E L O O
2.5	24	1	6	275	471 x 23 x 11	MIC B 1028 D E L O O
5	24	1.5	9	410	670 x 23 x 11	MIC B 1128 D E L O O
5	24	2	12	550	869 x 23 x 11	MIC B 2028 D E L O O
7.5	24	2.5	15	685	1068 x 23 x 11	MIC B 2128 D E L O O
7.5	24	3	18	825	1267 x 23 x 11	MIC B 3028 D E L O O
10	24	3.5	21	960	1466 x 23 x 11	MIC B 3128 D E L O O
10	24	4	24	1100	1665 x 23 x 11	MIC B 4028 D E L O O
Mid power LED (12.5W/m)						E4 10R-05 014100
2.5	24	0.5	6	275	271 x 23 x 11	MIC B 0130 D E L O O
5	24	1	12	550	471 x 23 x 11	MIC B 1030 D E L O O
7.5	24	1.5	18	825	670 x 23 x 11	MIC B 1130 D E L O O
10	24	2	24	1100	869 x 23 x 11	MIC B 2030 D E L O O
12.5	24	2.5	30	1375	1068 x 23 x 11	MIC B 2130 D E L O O
15	24	3	36	1650	1267 x 23 x 11	MIC B 3030 D E L O O
17.5	24	3.5	42	1925	1466 x 23 x 11	MIC B 3130 D E L O O
20	24	4	48	2200	1665 x 23 x 11	MIC B 4030 D E L O O
Mid power LED (20W/m)						E4 10R-05 014100
4	24	0.5	6	400	271 x 23 x 11	MIC B 0132 D E L O O
8	24	1	12	800	471 x 23 x 11	MIC B 1032 D E L O O
12	24	1.5	18	1200	670 x 23 x 11	MIC B 1132 D E L O O
16	24	2	24	1600	869 x 23 x 11	MIC B 2032 D E L O O
20	24	2.5	30	2000	1068 x 23 x 11	MIC B 2132 D E L O O
24	24	3	36	2400	1267 x 23 x 11	MIC B 3032 D E L O O
28	24	3.5	42	2800	1466 x 23 x 11	MIC B 3132 D E L O O
32	24	4	48	3200	1665 x 23 x 11	MIC B 4032 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	4 = Silver		
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	01 = Touch switch		

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 12.5 and 20W/m, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (12.5W/m)						E4 10R-05 014100
2.5	12	0.5	6 + 5	275	271 x 23 x 11	MIC B 0143 D E L O O
5	12	1	12 + 10	550	471 x 23 x 11	MIC B 1043 D E L O O
7.5	12	1.5	18 + 15	825	670 x 23 x 11	MIC B 1143 D E L O O
10	12	2	24 + 20	1100	869 x 23 x 11	MIC B 2043 D E L O O
12.5	12	2.5	30 + 25	1375	1068 x 23 x 11	MIC B 2143 D E L O O
15	12	3	36 + 30	1650	1267 x 23 x 11	MIC B 3043 D E L O O
17.5	12	3.5	42 + 35	1925	1466 x 23 x 11	MIC B 3143 D E L O O
20	12	4	48 + 40	2200	1665 x 23 x 11	MIC B 4043 D E L O O
Mid power LED (20W/m)						E4 10R-05 014100
4	12	0.5	6 + 5	385	271 x 23 x 11	MIC B 0145 D E L O O
8	12	1	12 + 10	770	471 x 23 x 11	MIC B 1045 D E L O O
12	12	1.5	18 + 15	1155	670 x 23 x 11	MIC B 1145 D E L O O
16	12	2	24 + 20	1540	869 x 23 x 11	MIC B 2045 D E L O O
20	12	2.5	30 + 25	1925	1068 x 23 x 11	MIC B 2145 D E L O O
24	12	3	36 + 30	2310	1267 x 23 x 11	MIC B 3045 D E L O O
28	12	3.5	42 + 35	2695	1466 x 23 x 11	MIC B 3145 D E L O O
32	12	4	48 + 40	3080	1665 x 23 x 11	MIC B 4045 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	4 = Silver		
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹		
	50 = LED NL red ¹		
	60 = LED NL green ¹		
	80 = LED NL white ¹		

¹ NL = night light

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 12.5 and 20W/m, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (12.5W/m)						E4 10R-05 014100
2.5	24	0.5	6 + 5	275	271 x 23 x 11	MIC B 0144 D E L O O
5	24	1	12 + 10	550	471 x 23 x 11	MIC B 1044 D E L O O
7.5	24	1.5	18 + 15	825	670 x 23 x 11	MIC B 1144 D E L O O
10	24	2	24 + 20	1100	869 x 23 x 11	MIC B 2044 D E L O O
12.5	24	2.5	30 + 25	1375	1068 x 23 x 11	MIC B 2144 D E L O O
15	24	3	36 + 30	1650	1267 x 23 x 11	MIC B 3044 D E L O O
17.5	24	3.5	42 + 35	1925	1466 x 23 x 11	MIC B 3144 D E L O O
20	24	4	48 + 40	2200	1665 x 23 x 11	MIC B 4044 D E L O O
Mid power LED (20W/m)						E4 10R-05 014100
4	24	0.5	6 + 5	385	271 x 23 x 11	MIC B 0146 D E L O O
8	24	1	12 + 10	770	471 x 23 x 11	MIC B 1046 D E L O O
12	24	1.5	18 + 15	1155	670 x 23 x 11	MIC B 1146 D E L O O
16	24	2	24 + 20	1540	869 x 23 x 11	MIC B 2046 D E L O O
20	24	2.5	30 + 25	1925	1068 x 23 x 11	MIC B 2146 D E L O O
24	24	3	36 + 30	2310	1267 x 23 x 11	MIC B 3046 D E L O O
28	24	3.5	42 + 35	2695	1466 x 23 x 11	MIC B 3146 D E L O O
32	24	4	48 + 40	3080	1665 x 23 x 11	MIC B 4046 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base 4 = Silver

D = Diffuser H = Clear O = Opaque

E = End caps W = White G = Grey Z = Black

L = Light colour 1 = Natural white 2 = Cool white 3 = Warm white


OO = Option 40 = LED NL blue ¹

50 = LED NL red ¹

60 = LED NL green ¹

80 = LED NL white ¹

¹ NL = night light

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 10 and 17.5W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (10W/m)						E4 10R-05 014535
2	10-30	0.5	6	250	271 x 23 x 11	MIC B 0175 D E L O O
4	10-30	1	12	500	471 x 23 x 11	MIC B 1075 D E L O O
6	10-30	1.5	18	750	670 x 23 x 11	MIC B 1175 D E L O O
8	10-30	2	24	1000	869 x 23 x 11	MIC B 2075 D E L O O
10	10-30	2.5	30	1250	1068 x 23 x 11	MIC B 2175 D E L O O
12	10-30	3	36	1500	1267 x 23 x 11	MIC B 3075 D E L O O
14	10-30	3.5	42	1750	1466 x 23 x 11	MIC B 3175 D E L O O
16	10-30	4	48	2000	1665 x 23 x 11	MIC B 4075 D E L O O
Mid power LED (17.5W/m)						E4 10R-05 014535
3.5	10-30	0.5	6	400	271 x 23 x 11	MIC B 0176 D E L O O
7	10-30	1	12	800	471 x 23 x 11	MIC B 1076 D E L O O
10.5	10-30	1.5	18	1200	670 x 23 x 11	MIC B 1176 D E L O O
14	10-30	2	24	1600	869 x 23 x 11	MIC B 2076 D E L O O
17.5	10-30	2.5	30	2000	1068 x 23 x 11	MIC B 2176 D E L O O
21	10-30	3	36	2400	1267 x 23 x 11	MIC B 3076 D E L O O
24.5	10-30	3.5	42	2800	1466 x 23 x 11	MIC B 3176 D E L O O
28	10-30	4	48	3200	1665 x 23 x 11	MIC B 4076 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base 4 = Silver

D = Diffuser H = Clear O = Opaque


E = End caps W = White G = Grey Z = Black

L = Light colour 1 = Natural white 2 = Cool white 3 = Warm white

OO = Option 00 = No option

01 = Touch switch

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 10, 20 and 25W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (10W/m)						
2.2	10-30	1	6	250	260 x 23 x 11	E4 10R-05 012575 MIC B 108 D E L O O
Mid power LED (20W/m)						
4.5	10-30	1	12	500	260 x 23 x 11	E4 10R-05 012575 MIC B 107 D E L O O
Mid power LED (25W/m)						
4	10-30	1	3	450/550/450	210 x 23 x 11	E4 10R-05 012573 MIC B 101 D E L O O
8	10-30	1	6	900/1100/900	360 x 23 x 11	MIC B 103 D E L O O
16	10-30	2	12	1800/2200/1800	680 x 23 x 11	MIC B 203 D E L O O
24	10-30	3	18	2700/3300/2700	1000 x 23 x 11	MIC B 303 D E L O O
32	10-30	4	24	3600/4400/3600	1320 x 23 x 11	MIC B 403 D E L O O
40	10-30	5	30	4500/5500/4500	1640 x 23 x 11	MIC B 503 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	4 = Silver					
D = Diffuser	H = Clear	O = Opaque				
E = End caps	W = White	G = Grey	Z = Black			
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white			
OO = Option	00 = No option					
	01 = Touch switch					

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 10 and 17.5W/m, white dimmable LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (10W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 014535
2	10-30	0.5	6	250	271 x 23 x 11	MIC B 0173 D E L O O
4	10-30	1	12	500	471 x 23 x 11	MIC B 1073 D E L O O
6	10-30	1.5	18	750	670 x 23 x 11	MIC B 1173 D E L O O
8	10-30	2	24	1000	869 x 23 x 11	MIC B 2073 D E L O O
10	10-30	2.5	30	1250	1068 x 23 x 11	MIC B 2173 D E L O O
12	10-30	3	36	1500	1267 x 23 x 11	MIC B 3073 D E L O O
14	10-30	3.5	42	1750	1466 x 23 x 11	MIC B 3173 D E L O O
16	10-30	4	48	2000	1665 x 23 x 11	MIC B 4073 D E L O O
Mid power LED (17.5W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 014535
3.5	10-30	0.5	6	400	271 x 23 x 11	MIC B 0174 D E L O O
7	10-30	1	12	800	471 x 23 x 11	MIC B 1074 D E L O O
10.5	10-30	1.5	18	1200	670 x 23 x 11	MIC B 1174 D E L O O
14	10-30	2	24	1600	869 x 23 x 11	MIC B 2074 D E L O O
17.5	10-30	2.5	30	2000	1068 x 23 x 11	MIC B 2174 D E L O O
21	10-30	3	36	2400	1267 x 23 x 11	MIC B 3074 D E L O O
24.5	10-30	3.5	42	2800	1466 x 23 x 11	MIC B 3174 D E L O O
28	10-30	4	48	3200	1665 x 23 x 11	MIC B 4074 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	4 = Silver			
D = Diffuser	H = Clear	O = Opaque		
E = End caps	W = White	G = Grey	Z = Black	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white	
OO = Option	00 = No option			

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 10, 20 and 25W/m, white dimmable LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (10W/m, 2 positions dimmable 30 / 100%)						
2.2	10-30	1	6	250	260 x 23 x 11	E4 10R-05 012575 MIC B 114 D E L O O
Mid power LED (20W/m, 2 positions dimmable 30 / 100%)						
4.5	10-30	1	12	500	260 x 23 x 11	E4 10R-05 012575 MIC B 115 D E L O O
Mid power LED (25W/m, 2 positions dimmable 30 / 100%)						
4	10-30	1	3	450/550/450	210 x 23 x 11	E4 10R-05 012573 MIC B 110 D E L O O
8	10-30	1	6	900/1100/900	360 x 23 x 11	MIC B 111 D E L O O
16	10-30	2	12	1800/2200/1800	680 x 23 x 11	MIC B 211 D E L O O
24	10-30	3	18	2700/3300/2700	1000 x 23 x 11	MIC B 311 D E L O O
32	10-30	4	24	3600/4400/3600	1320 x 23 x 11	MIC B 411 D E L O O
40	10-30	5	30	4500/5500/4500	1640 x 23 x 11	MIC B 511 D E L O O

Article number (B D E L O O choices)

B = Base	4 = Silver		
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		

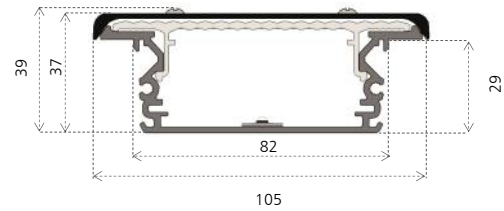
Example

Article number MIC **4** 1075 **H G 1 00** results in the following article:

- Recessed fitting 'Micro Canal'
- * 471x23x11mm (cut-out size)
- * base silver anodised
- * 1x12 mid power LED module
 - 12x natural white
 - 4W/10-30VDC (multi-volt)
 - light output 500 lm
- * clear diffuser/grey end caps
- * mounting via screws (not included)
- * wires out-coming ± 30cm/2x0.75mm²

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

1
Recessed LED fittings



Properties

Fitting type	Recessed
Base	Aluminium, white powder coated
Diffuser	Polycarbonate, clear or opaque
End caps	Polycarbonate, white, grey or black, mounted with stainless steel screws
Voltage range	* 10 - 30 VDC multi-volt
Watertight	No (see page 3.18 Stream WT series or 3.22 Stream WT angle series)
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system	Yes, custom-made fittings are possible (> approx. 1.7 meter)
Switch	Option, 2 positions, 3 positions or dim switch
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	Option, LED (blue, red, green or white), via additional wire
Dimmable	Option * 2 positions (30 / 100%), via additional wire * stepless dimmable only available with 27 LED module (15 - 100%)

From page 7.02 you will find more technical information.

Multi-voltage 25W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
High power LED (25W/m)						E4 10R-05 012573
4	10-30	1	3	450/550/450	221 x 82 x 29	ST B 101 D E L O O
8	10-30	2	6	900/1100/900	221 x 82 x 29	ST B 201 D E L O O
8	10-30	1	6	900/1100/900	320 x 82 x 29	ST B 103 D E L O O
16	10-30	2	12	1800/2200/1800	360 x 82 x 29	ST B 203 D E L O O

Article number (B D E L O O choices)

B = Base	1 = White
D = Diffuser	H = Clear O = Opaque
E = End caps	W = White G = Grey Z = Black
L = Light colour	1 = Natural white 2 = Cool white 3 = Warm white
OO = Option	00 = No option
	02 = Switch, 2 positions ¹
	03 = Switch, 3 positions ¹

¹ The switch with 2 positions is available in white and black, the switch with 3 positions is available exclusively in black.

Multi-voltage 25W/m, white dimmable LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
High power LED (25W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 012573
4	10-30	1	3	450/550/450	221 x 82 x 29	ST B 110 D E L O O
8	10-30	2	6	900/1100/900	221 x 82 x 29	ST B 210 D E L O O
8	10-30	1	6	900/1100/900	320 x 82 x 29	ST B 111 D E L O O
16	10-30	2	12	1800/2200/1800	360 x 82 x 29	ST B 211 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White
D = Diffuser	H = Clear O = Opaque
E = End caps	W = White G = Grey Z = Black
L = Light colour	1 = Natural white 2 = Cool white 3 = Warm white
OO = Option	00 = No option
	02 = Switch, 2 positions ¹
	03 = Switch, 3 positions, switch between 30% and 100% ¹

¹ The switch with 2 positions is available in white and black, the switch with 3 positions is available exclusively in black. Please contact us for the possibilities with special switch options.

Multi-voltage 25W/m, white LEDs or white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (25W/m)						E4 10R-05 012577
7.5	10-30	1	21 + 0	1000	320 x 82 x 29	ST B 116 D E L O O
Mid power LED (25W/m)						E4 10R-05 012577
7.5	10-30	1	21 + 6	1000	320 x 82 x 29	ST B 116 D E L O O

Article number (B D E L O O choices)

B = Base	1 = White					
D = Diffuser	H = Clear	O = Opaque				
E = End caps	W = White	G = Grey	Z = Black			
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white			
OO = Option	00 = No option	42 = 2S ^{2,4}	43 = 3S ^{1,3,4}			
	40 = LED NL blue ¹	42 = LED NL blue + 2S ^{1,2,4}	43 = LED NL blue + 3S ^{1,3,4}			
	50 = LED NL red ¹	52 = LED NL red + 2S ^{1,2,4}	53 = LED NL red + 3S ^{1,3,4}			
	60 = LED NL green ¹	62 = LED NL green + 2S ^{1,2,4}	63 = LED NL green + 3S ^{1,3,4}			
	80 = LED NL white ¹	82 = LED NL white + 2S ^{1,2,4}	83 = LED NL white + 3S ^{1,3,4}			

¹ NL = Night light

² 2S = switch, 2 positions on white LEDs

³ 3S = Switch, 3 positions, switch between white and coloured LEDs

⁴ The switch with 2 positions is available in white and black, the switch with 3 positions is available exclusively in black.

Please contact us for the possibilities with special switch options.

Multi-voltage 25W/m, white dimmable LEDs + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (25W/m, stepless dim 15 - 100% or 2 steps 30 / 100%)						E4 10R-05 012577
7.5	10-30	1	21 + 6	1000	320 x 82 x 29	ST B 109 D E L O O

Article number (B D E L O O choices)

B = Base	1 = White					
D = Diffuser	H = Clear	O = Opaque				
E = End caps	W = White	G = Grey	Z = Black			
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white			
OO = Option	40 = LED NL blue ¹	44 = LED NL blue + dim switch ¹				
	50 = LED NL red ¹	54 = LED NL red + dim switch ¹				
	60 = LED NL green ¹	64 = LED NL green + dim switch ¹				
	80 = LED NL white ¹	84 = LED NL white + dim switch ¹				

¹ NL = Night light

Please contact us for the possibilities with special switch options.

Example

Article number ST 1 103 H W 1 02 results in the following article:

Recessed fitting 'Stream'









- * 320x82x29mm (cut-out size)
- * base white powder coated
- * 1x6 high power LED module
 - 6x natural white
 - 8W/10-30VDC (multi-volt)
 - light output 900 lm
- * clear diffuser/white end caps
- * mounting via screws (not included)
- * switch, 2 positions

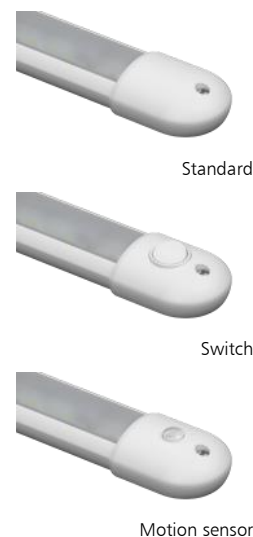
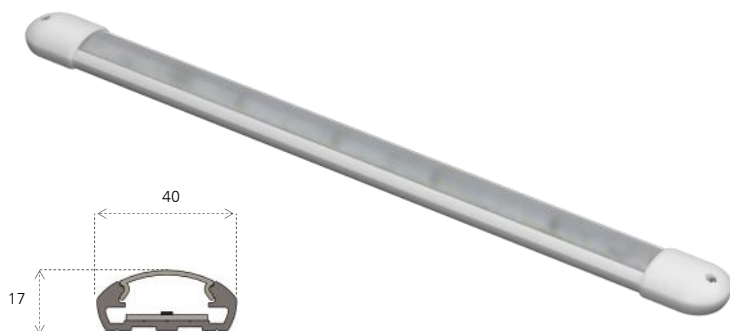
1

Recessed LED fittings

2

Surface mounted LED fittings

	Alley series	2.02
	Disc SU series	2.14
	Micro Avenue series	2.22
	Micro Edge series	2.38
	Mini corner series	2.44
	Nova series	2.60
	Track series	2.64
	Track 40 series	2.70



Properties

Fitting type	Surface mounted
Base	Aluminium, white powder coated or silver anodised
Diffuser	Polycarbonate, clear or opaque
End caps	Polycarbonate, white, grey or black, mounted with stainless steel screws
Voltage range	* 12 VDC (10 - 14) or 24 VDC (22 - 28) mono-volt * 10 - 30 VDC multi-volt
Watertight	No
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system	Yes, custom-made fittings are possible (> approx. 1.7 meter)
Switch	Option, 2 positions
Motion sensor	Option, integrated in the fitting (versions up to a maximum of 9 Amp.) * A potentiometer allows switching between 9 delay times, ranging from 15 seconds to 30 minutes (default 1 minute).
Night light	Option * LED (blue, red, green, white or RGB), via additional wire
Dimmable	Option * 2 positions dim (30 / 100%), via additional wire * Variable dim (0 - 100%) via external PWM dimmer up to a maximum of 1000 Hz, on specified versions

From page 7.02 you will find more technical information.



White powder coated, opaque diffuser, white end caps



Silver anodised, opaque diffuser, grey end caps



Silver anodised, opaque diffuser, black end caps

Mono-voltage 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O O choices) E4 = type approval
Mid power LED (20W/m)						E4 10R-05 014100
4	12	0.5	6	400/385/400	344 x 40 x 17	ALY B 0131 D E L O O O
8	12	1	12	800/770/800	543 x 40 x 17	ALY B 1031 D E L O O O
12	12	1.5	18	1200/1155/1200	744 x 40 x 17	ALY B 1131 D E L O O O
16	12	2	24	1600/1540/1600	943 x 40 x 17	ALY B 2031 D E L O O O
20	12	2.5	30	2000/1925/2000	1144 x 40 x 17	ALY B 2131 D E L O O O
24	12	3	36	2400/2310/2400	1343 x 40 x 17	ALY B 3031 D E L O O O
28	12	3.5	42	2800/2695/2800	1544 x 40 x 17	ALY B 3131 D E L O O O
Mid power LED (20W/m)						E4 10R-05 014100
4	24	0.5	6	400	344 x 40 x 17	ALY B 0132 D E L O O O
8	24	1	12	800	543 x 40 x 17	ALY B 1032 D E L O O O
12	24	1.5	18	1200	744 x 40 x 17	ALY B 1132 D E L O O O
16	24	2	24	1600	943 x 40 x 17	ALY B 2032 D E L O O O
20	24	2.5	30	2000	1144 x 40 x 17	ALY B 2132 D E L O O O
24	24	3	36	2400	1343 x 40 x 17	ALY B 3032 D E L O O O
28	24	3.5	42	2800	1544 x 40 x 17	ALY B 3132 D E L O O O

Please view the next page for more available versions.

Article number (B D E L O O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	02 = Switch	A7 = PIR 15 seconds ¹	E7 = PIR 10 minutes ¹
	2 positions	H7 = PIR 30 seconds ¹	F7 = PIR 15 minutes ¹
		B7 = PIR 1 minute (STD) ¹	J7 = PIR 20 minutes ¹
		C7 = PIR 2 minutes ¹	G7 = PIR 30 minutes ¹
		D7 = PIR 5 minutes ¹	
O = Mounting	S = Screws	M = Mounting brackets ²	

¹ PIR = motion sensor (delay time adjustable to values listed above via onboard potentiometer)

² See page 2.12 for more information on mounting brackets.

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (see page 6.06, not in combination with PIR).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 35W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O O choices) E4 = type approval
Mid power LED (35W/m)						E4 10R-05 014104
7	12	0.5	18	800	344 x 40 x 17	ALY B 0161 D E L O O O
14	12	1	36	1600	543 x 40 x 17	ALY B 1061 D E L O O O
21	12	1.5	54	2400	744 x 40 x 17	ALY B 1161 D E L O O O
28	12	2	72	3200	943 x 40 x 17	ALY B 2061 D E L O O O
35	12	2.5	90	4000	1144 x 40 x 17	ALY B 2161 D E L O O O
42	12	3	108	4800	1343 x 40 x 17	ALY B 3061 D E L O O O
49	12	3.5	126	5600	1544 x 40 x 17	ALY B 3161 D E L O O O
Mid power LED (35W/m)						E4 10R-05 014104
7	24	0.5	18	800	344 x 40 x 17	ALY B 0162 D E L O O O
14	24	1	36	1600	543 x 40 x 17	ALY B 1062 D E L O O O
21	24	1.5	54	2400	744 x 40 x 17	ALY B 1162 D E L O O O
28	24	2	72	3200	943 x 40 x 17	ALY B 2062 D E L O O O
35	24	2.5	90	4000	1144 x 40 x 17	ALY B 2162 D E L O O O
42	24	3	108	4800	1343 x 40 x 17	ALY B 3062 D E L O O O
49	24	3.5	126	5600	1544 x 40 x 17	ALY B 3162 D E L O O O

Please view the next page for more available versions.

Article number (B D E L O O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	02 = Switch	A7 = PIR 15 seconds ¹	E7 = PIR 10 minutes ¹
	2 positions	H7 = PIR 30 seconds ¹	F7 = PIR 15 minutes ¹
		B7 = PIR 1 minute (STD) ¹	J7 = PIR 20 minutes ¹
		C7 = PIR 2 minutes ¹	G7 = PIR 30 minutes ¹
		D7 = PIR 5 minutes ¹	
O = Mounting	S = Screws	M = Mounting brackets ²	

¹ PIR = motion sensor (delay time adjustable to values listed above via onboard potentiometer)

² See page 2.12 for more information on mounting brackets.

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (see page 6.06, not in combination with PIR).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 20W/m, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O O choices) E4 = type approval
Mid power LED (20W/m)						E4 10R-05 014100
4	12	0.5	6 + 5	385	344 x 40 x 17	ALY B 0145 D E L O O O
8	12	1	12 + 10	770	543 x 40 x 17	ALY B 1045 D E L O O O
12	12	1.5	18 + 15	1155	744 x 40 x 17	ALY B 1145 D E L O O O
16	12	2	24 + 20	1540	943 x 40 x 17	ALY B 2045 D E L O O O
20	12	2.5	30 + 25	1925	1144 x 40 x 17	ALY B 2145 D E L O O O
24	12	3	36 + 30	2310	1343 x 40 x 17	ALY B 3045 D E L O O O
28	12	3.5	42 + 35	2695	1544 x 40 x 17	ALY B 3145 D E L O O O
Mid power LED (20W/m)						E4 10R-05 014100
4	24	0.5	6 + 5	385	344 x 40 x 17	ALY B 0146 D E L O O O
8	24	1	12 + 10	770	543 x 40 x 17	ALY B 1046 D E L O O O
12	24	1.5	18 + 15	1155	744 x 40 x 17	ALY B 1146 D E L O O O
16	24	2	24 + 20	1540	943 x 40 x 17	ALY B 2046 D E L O O O
20	24	2.5	30 + 25	1925	1144 x 40 x 17	ALY B 2146 D E L O O O
24	24	3	36 + 30	2310	1343 x 40 x 17	ALY B 3046 D E L O O O
28	24	3.5	42 + 35	2695	1544 x 40 x 17	ALY B 3146 D E L O O O

Please view the next page for more available versions.


Article number (B D E L O O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹	42 = LED NL blue + switch, 2 positions on white LEDs ¹	
	50 = LED NL red ¹	52 = LED NL red + switch, 2 positions on white LEDs ¹	
	60 = LED NL green ¹	62 = LED NL green + switch, 2 positions on white LEDs ¹	
	80 = LED NL white ¹	82 = LED NL white + switch, 2 positions on white LEDs ¹	
O = Mounting	S = Screws	M = Mounting brackets ²	

¹ NL = Night light

² See page 2.12 for more information on mounting brackets.

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 35W/m, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O O choices) E4 = type approval
Mid power LED (35W/m)						E4 10R-05 014104
7	12	0.5	18 + 4	800	344 x 40 x 17	ALY B 0161 D E L O O O
14	12	1	36 + 9	1600	543 x 40 x 17	ALY B 1061 D E L O O O
21	12	1.5	54 + 13	2400	744 x 40 x 17	ALY B 1161 D E L O O O
28	12	2	72 + 18	3200	943 x 40 x 17	ALY B 2061 D E L O O O
35	12	2.5	90 + 22	4000	1144 x 40 x 17	ALY B 2161 D E L O O O
42	12	3	108 + 27	4800	1343 x 40 x 17	ALY B 3061 D E L O O O
49	12	3.5	126 + 31	5600	1544 x 40 x 17	ALY B 3161 D E L O O O
Mid power LED (35W/m)						E4 10R-05 014104
7	24	0.5	18 + 4	800	344 x 40 x 17	ALY B 0162 D E L O O O
14	24	1	36 + 9	1600	543 x 40 x 17	ALY B 1062 D E L O O O
21	24	1.5	54 + 13	2400	744 x 40 x 17	ALY B 1162 D E L O O O
28	24	2	72 + 18	3200	943 x 40 x 17	ALY B 2062 D E L O O O
35	24	2.5	90 + 22	4000	1144 x 40 x 17	ALY B 2162 D E L O O O
42	24	3	108 + 27	4800	1343 x 40 x 17	ALY B 3062 D E L O O O
49	24	3.5	126 + 31	5600	1544 x 40 x 17	ALY B 3162 D E L O O O

Please view the next page for more available versions.

Article number (B D E L O O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹	42 = LED NL blue + switch, 2 positions on white LEDs ¹	
	50 = LED NL red ¹	52 = LED NL red + switch, 2 positions on white LEDs ¹	
	60 = LED NL green ¹	62 = LED NL green + switch, 2 positions on white LEDs ¹	
	80 = LED NL white ¹	82 = LED NL white + switch, 2 positions on white LEDs ¹	
	M0 = LED NL RGB ^{1 2}	M2 = LED NL RGB + switch, 2 positions on white LEDs ^{1 2}	
O = Mounting	S = Screws	M = Mounting brackets ³	

¹ NL = Night light

² The RGB night lights can be configured using DIP switches.

³ See page 2.12 for more information on mounting brackets.

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 35W/m, white dimmable LEDs + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O O choices) E4 = type approval
Mid power LED (35W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 014104
7	12	0.5	18 + 4	800	344 x 40 x 17	ALY B 0167 D E L O O O
14	12	1	36 + 9	1600	543 x 40 x 17	ALY B 1067 D E L O O O
21	12	1.5	54 + 13	2400	744 x 40 x 17	ALY B 1167 D E L O O O
28	12	2	72 + 18	3200	943 x 40 x 17	ALY B 2067 D E L O O O
35	12	2.5	90 + 22	4000	1144 x 40 x 17	ALY B 2167 D E L O O O
42	12	3	108 + 27	4800	1343 x 40 x 17	ALY B 3067 D E L O O O
49	12	3.5	126 + 31	5600	1544 x 40 x 17	ALY B 3167 D E L O O O
Mid power LED (35W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 014104
7	24	0.5	18 + 4	800	344 x 40 x 17	ALY B 0168 D E L O O O
14	24	1	36 + 9	1600	543 x 40 x 17	ALY B 1068 D E L O O O
21	24	1.5	54 + 13	2400	744 x 40 x 17	ALY B 1168 D E L O O O
28	24	2	72 + 18	3200	943 x 40 x 17	ALY B 2068 D E L O O O
35	24	2.5	90 + 22	4000	1144 x 40 x 17	ALY B 2168 D E L O O O
42	24	3	108 + 27	4800	1343 x 40 x 17	ALY B 3068 D E L O O O
49	24	3.5	126 + 31	5600	1544 x 40 x 17	ALY B 3168 D E L O O O

Please view the next page for more available versions.

Article number (B D E L O O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹		
	50 = LED NL red ¹		
	60 = LED NL green ¹		
	80 = LED NL white ¹		
	M0 = LED NL RGB ^{1,2}		
O = Mounting	S = Screws	M = Mounting brackets ³	

¹ NL = Night light

² The RGB night lights can be configured using DIP switches.

³ See page 2.12 for more information on mounting brackets.

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 17.5W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O O choices) E4 = type approval
Mid power LED (17.5W/m)						E4 10R-05 014535
3.5	10-30	0.5	6	400	344 x 40 x 17	ALY B 0176 D E L O O O
7	10-30	1	12	800	543 x 40 x 17	ALY B 1076 D E L O O O
10.5	10-30	1.5	18	1200	744 x 40 x 17	ALY B 1176 D E L O O O
14	10-30	2	24	1600	943 x 40 x 17	ALY B 2076 D E L O O O
17.5	10-30	2.5	30	2000	1144 x 40 x 17	ALY B 2176 D E L O O O
21	10-30	3	36	2400	1343 x 40 x 17	ALY B 3076 D E L O O O
24.5	10-30	3.5	42	2800	1544 x 40 x 17	ALY B 3176 D E L O O O

Please view the next page for more available versions.

Article number (B D E L O O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	02 = Switch 2 positions	A7 = PIR 15 seconds ¹	E7 = PIR 10 minutes ¹
		H7 = PIR 30 seconds ¹	F7 = PIR 15 minutes ¹
		B7 = PIR 1 minute (STD) ¹	J7 = PIR 20 minutes ¹
		C7 = PIR 2 minutes ¹	G7 = PIR 30 minutes ¹
		D7 = PIR 5 minutes ¹	
O = Mounting	S = Screws	M = Mounting brackets ²	

¹ PIR = motion sensor (delay time adjustable to values listed above via onboard potentiometer)

² See page 2.12 for more information on mounting brackets.

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 20 and 25W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O O choices) E4 = type approval
Mid power LED (20W/m)						E4 10R-05 012575
4.5	10-30	1	12	500	345 x 40 x 17	ALY B 107 D E L O O O
High power LED (25W/m)						E4 10R-05 012573
4	10-30	1	3	450/550/450	303 x 40 x 17	ALY B 101 D E L O O O
8	10-30	1	6	900/1100/900	443 x 40 x 17	ALY B 103 D E L O O O
16	10-30	2	12	1800/2200/1800	761 x 40 x 17	ALY B 203 D E L O O O
24	10-30	3	18	2700/3300/2700	1079 x 40 x 17	ALY B 303 D E L O O O
32	10-30	4	24	3600/4400/3600	1397 x 40 x 17	ALY B 403 D E L O O O


Please view the next page for more available versions.

Article number (B D E L O O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	02 = Switch	A7 = PIR 15 seconds ¹	E7 = PIR 10 minutes ¹
	2 positions	H7 = PIR 30 seconds ¹	F7 = PIR 15 minutes ¹
		B7 = PIR 1 minute (STD) ¹	J7 = PIR 20 minutes ¹
		C7 = PIR 2 minutes ¹	G7 = PIR 30 minutes ¹
		D7 = PIR 5 minutes ¹	
O = Mounting	S = Screws	M = Mounting brackets ²	

¹ PIR = motion sensor (delay time adjustable to values listed above via onboard potentiometer)

² See page 2.12 for more information on mounting brackets.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 17.5W/m, white dimmable LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O O choices) E4 = type approval
Mid power LED (17.5W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 014535
3.5	10-30	0.5	6	400	344 x 40 x 17	ALY B 0174 D E L O O O
7	10-30	1	12	800	543 x 40 x 17	ALY B 1074 D E L O O O
10.5	10-30	1.5	18	1200	744 x 40 x 17	ALY B 1174 D E L O O O
14	10-30	2	24	1600	943 x 40 x 17	ALY B 2074 D E L O O O
17.5	10-30	2.5	30	2000	1144 x 40 x 17	ALY B 2174 D E L O O O
21	10-30	3	36	2400	1343 x 40 x 17	ALY B 3074 D E L O O O
24.5	10-30	3.5	42	2800	1544 x 40 x 17	ALY B 3174 D E L O O O

Please view the next page for more available versions.

Article number (B D E L O O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	02 = Switch		
	2 positions		
O = Mounting	S = Screws	M = Mounting brackets ¹	

¹ See page 2.12 for more information on mounting brackets.

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.


Multi-voltage 20 and 25W/m, white dimmable LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O O choices) E4 = type approval
Mid power LED (20W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 012575
4.5	10-30	1	12	500	345 x 40 x 17	ALY B 115 D E L O O O
High power LED (25W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 012573
4	10-30	1	3	450/550/450	303 x 40 x 17	ALY B 110 D E L O O O
8	10-30	1	6	900/1100/900	443 x 40 x 17	ALY B 111 D E L O O O
16	10-30	2	12	1800/2200/1800	761 x 40 x 17	ALY B 211 D E L O O O
24	10-30	3	18	2700/3300/2700	1079 x 40 x 17	ALY B 311 D E L O O O
32	10-30	4	24	3600/4400/3600	1397 x 40 x 17	ALY B 411 D E L O O O

Article number (B D E L O O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	02 = Switch		
	2 positions		
O = Mounting	S = Screws	M = Mounting brackets ¹	

¹ See page 2.12 for more information on mounting brackets.
Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Example

Article number ALY 4 103 H G 1 02 S results in the following article:

Surface mounted fitting 'Alley'

- * 443x40x17 mm
- * base silver anodised
- * 1x6 high power LED
 - 6x natural white
 - 8W/10-30VDC (multi-volt)
 - light output 900 lm
- * clear diffuser/grey end caps
- * mounting via screws (not included)
- * cable out-coming $\pm 30\text{cm}/2\times 0.75\text{mm}^2$
- * switch, 2 positions

Mounting brackets

The Alley series light fittings can be mounted on any surface without the need to drill holes into the fitting. Dutch Electro offers optional mounting brackets for this purpose, to which the Alley fitting can easily be secured.

The default configuration is one bracket per 60 cm, with a minimum of 2 brackets per fitting. It is of course also possible to order separate brackets.



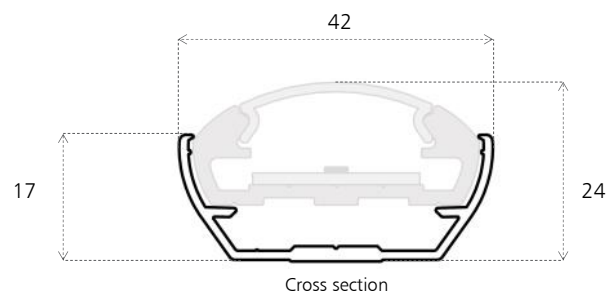
White powder coated
Article number: **ALY1MOUNTBRACK**



Mounting example



Silver anodised
Article number: **ALY4MOUNTBRACK**





Motion sensor (aluminium)

Properties

Fitting type	Surface mounted
Base	* Aluminium, white, grey or black powder coated * Thermoplast (ABS V0), white, grey or black with aluminium base plate
Diffuser	Polycarbonate, clear or opaque
Voltage range	* 12 VDC (10 - 14) or 24 VDC (22 - 28) mono-volt * 10 - 30 VDC multi-volt
Watertight	No (see page 4.02 Disc WT SU series)
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system	No
Switch	Option, 2 positions (aluminium version only)
Motion sensor	Option, integrated in the fitting * 9 possible delay times, ranging from 15 sec to 30 min (default 1 min) * Configurable with an on board potentiometer on mono-volt versions.
Night light	Option, 6 LEDs (blue, red or green), via additional wire
Dimmable	Option * 2 positions (30 / 100%), via additional wire on 10 - 30 VDC multi-volt * Variable dim (0 - 100%) via external PWM dimmer up to a maximum of 1000 Hz, on specified versions

[Inquire about the possibilities for negative switched LED modules with night light and / or 2 dimming positions.](#)
From page 7.02 you will find more technical information.



White powder coated, opaque diffuser



Grey powder coated, opaque diffuser



Black powder coated, opaque diffuser

Mono-voltage, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (Ø x H in mm)	Article number (B M D L OO choices) E4 = type approval
Mid power LED						E4 10R-05 014099
3	12	1	6	300/350/300	Ø 140 x 15	DITHSU B M 33 D L OO
6	12	1	12	600/700/600	Ø 140 x 15	DITHSU B M 35 D L OO
Mid power LED						E4 10R-05 014099
3	24	1	6	300/350/300	Ø 140 x 15	DITHSU B M 34 D L OO
6	24	1	12	600/700/600	Ø 140 x 15	DITHSU B M 36 D L OO

Cable out-coming: 1x positive, 1x negative

Article number (B M D L OO choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed		
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (see page 6.06)

Mono-voltage, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (Ø x H in mm)	Article number (B M D L OO choices) E4 = type approval
Mid power LED						E4 10R-05 014099
3	12	1	6 + 6	300/350/300	Ø 140 x 15	DITHSU B M 33 D L OO
6	12	1	12 + 6	600/700/600	Ø 140 x 15	DITHSU B M 35 D L OO
Mid power LED						E4 10R-05 014099
3	24	1	6 + 6	300/350/300	Ø 140 x 15	DITHSU B M 34 D L OO
6	24	1	12 + 6	600/700/600	Ø 140 x 15	DITHSU B M 36 D L OO

Wires out-coming: 2x positive (white and coloured light), 1x combined negative
Please view the next page for more available versions.

Article number (B M D L OO choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed		
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹		
	50 = LED NL red ¹		
	60 = LED NL green ¹		

¹ NL = Night light

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (Ø x H in mm)	Article number (B M D L O O choices) E4 = type approval
Mid power LED						E4 10R-05 014099
9	12	1	18	900/1100/900	Ø 155 x 20	DISU B M 37 D L O O
12	12	1	24	1200/1400/1200	Ø 155 x 20	DISU B M 39 D L O O
Mid power LED						E4 10R-05 014099
9	24	1	18	900/1100/900	Ø 155 x 20	DISU B M 38 D L O O
12	24	1	24	1200/1400/1200	Ø 155 x 20	DISU B M 40 D L O O

Cable out-coming: 1x positive, 1x negative

The 12 Watt versions that are equipped with a motion sensor use 23 LEDs instead of 24. The light output remains unchanged.

Please view the next page for more available versions.

Article number (B M D L O O choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed	1 = Negative to ground	
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	02 = Switch	A7 = PIR 15 seconds ^{1 2}	E7 = PIR 10 minutes ^{1 2}
	2 positions	H7 = PIR 30 seconds ^{1 2}	F7 = PIR 15 minutes ^{1 2}
		B7 = PIR 1 minute (STD) ^{1 2}	J7 = PIR 20 minutes ^{1 2}
		C7 = PIR 2 minutes ^{1 2}	G7 = PIR 30 minutes ^{1 2}
		D7 = PIR 5 minutes ^{1 2}	

¹ PIR = motion sensor (delay time adjustable to values listed above via onboard potentiometer)

² Mono-voltage versions of Disc fittings have 2 additional out-coming wires, to which one or more fittings without a sensor can be connected.

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (see page 6.06, not in combination with PIR).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (Ø x H in mm)	Article number (B M D L O O choices) E4 = type approval
Mid power LED						E4 10R-05 014099
9	12	1	18 + 6	900/1100/900	Ø 155 x 20	DISU B M 37 D L O O
12	12	1	24 + 6	1200/1400/1200	Ø 155 x 20	DISU B M 39 D L O O
Mid power LED						E4 10R-05 014099
9	24	1	18 + 6	900/1100/900	Ø 155 x 20	DISU B M 38 D L O O
12	24	1	24 + 6	1200/1400/1200	Ø 155 x 20	DISU B M 40 D L O O

Cable out-coming: 2x positive (white and coloured light), 1x combined negative
Please view the next page for more available versions.

Article number (B M D L O O choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed	1 = Negative to ground	
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹	42 = LED NL blue + switch, 2 positions on white LEDs ¹	
	50 = LED NL red ¹	52 = LED NL red + switch, 2 positions on white LEDs ¹	
	60 = LED NL green ¹	62 = LED NL green + switch, 2 positions on white LEDs ¹	

¹ NL = Night light

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (Ø x H in mm)	Article number (B M D L O O choices) E4 = type approval
High power LED						E4 10R-05 012574
5	10-30	1	3	600/700/600	Ø 155 x 20	DISU B M 04 D L O O
8	10-30	1	6	900/1100/900	Ø 155 x 20	DISU B M 05 D L O O
11	10-30	1	6	1200/1400/1200	Ø 155 x 20	DISU B M 24 D L O O

Cable out-coming: 1x positive, 1x negative

Article number (B M D L O O choices)

B = Base 1 = White 2 = Grey 3 = Black

M = Earthing 0 = Unearthed 1 = Negative to ground

D = Diffuser H = Clear O = Opaque

L = Light colour 1 = Natural white 2 = Cool white 3 = Warm white

OO = Option 00 = No option

02 = Switch A7 = PIR 15 seconds¹ E7 = PIR 10 minutes¹

2 positions H7 = PIR 30 seconds¹ F7 = PIR 15 minutes¹

B7 = PIR 1 minute (STD)¹ J7 = PIR 20 minutes¹

C7 = PIR 2 minutes¹ G7 = PIR 30 minutes¹

D7 = PIR 5 minutes¹

¹ PIR = motion sensor

Multi-voltage, white dimmable LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (Ø x H in mm)	Article number (B M D L O O choices) E4 = type approval
High power LED (2 positions dimmable 30 / 100%)						E4 10R-05 012574
5	10-30	1	3	600/700/600	Ø 155 x 20	DISU B M 12 D L O O
8	10-30	1	6	900/1100/900	Ø 155 x 20	DISU B M 13 D L O O
11	10-30	1	6	1200/1400/1200	Ø 155 x 20	DISU B M 26 D L O O

Cable out-coming: 2x positive (white light 100% and white light 30%), 1x combined negative

Please view the next page for more available versions.

Article number (B M D L O O choices)

B = Base 1 = White 2 = Grey 3 = Black

M = Earthing 0 = Unearthed 1 = Negative to ground

D = Diffuser H = Clear O = Opaque

L = Light colour 1 = Natural white 2 = Cool white 3 = Warm white

OO = Option 00 = No option

02 = Switch

2 positions

Please contact us for the possibilities with special switch options.

Multi-voltage, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (Ø x H in mm)	Article number (B M D L O O choices) E4 = type approval
High power LED						E4 10R-05 012574
5	10-30	1	3 + 6	600/700/600	Ø 155 x 20	DISU B M 04 D L O O
8	10-30	1	6 + 6	900/1100/900	Ø 155 x 20	DISU B M 05 D L O O
11	10-30	1	6 + 6	1200/1400/1200	Ø 155 x 20	DISU B M 24 D L O O

Cable out-coming: 2x positive (white and coloured light), 1x combined negative

Article number (B M D L O O choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed	1 = Negative to ground	
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹	42 = LED NL blue + switch, 2 positions on white LEDs ¹	
	50 = LED NL red ¹	52 = LED NL red + switch, 2 positions on white LEDs ¹	
	60 = LED NL green ¹	62 = LED NL green + switch, 2 positions on white LEDs ¹	

¹ NL = Night light

Please contact us for the possibilities with special switch options.

Multi-voltage, white dimmable LEDs + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (Ø x H in mm)	Article number (B M D L O O choices) E4 = type approval
High power LED (2 positions dimmable 30 / 100%)						E4 10R-05 012574
5	10-30	1	3 + 6	600/700/600	Ø 155 x 20	DISU B M 12 D L O O
8	10-30	1	6 + 6	900/1100/900	Ø 155 x 20	DISU B M 13 D L O O
11	10-30	1	6 + 6	1200/1400/1200	Ø 155 x 20	DISU B M 26 D L O O

Cable out-coming: 3x positive (white light 100%, white light 30%, coloured light), 1x combined negative

Article number (B M D L O O choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed	1 = Negative to ground	
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹		
	50 = LED NL red ¹		
	60 = LED NL green ¹		

¹ NL = Night light

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Example

Article number DISU 2 1 05 H 1 40 results in the following article:

Surface mounted fitting 'Disc'

* Ø155x20mm

* 1x6 high power LED module

negative to ground

6x natural white + 6x blue

8W/10-30VDC (multi-volt)

light output 900 lm

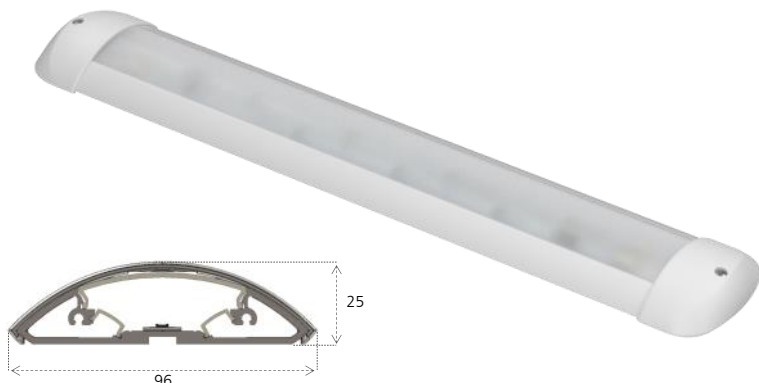
* clear diffuser/grey casing

* mounting via screws (not included)

* cable out-coming \pm 30cm/3x1mm²

* LED night light blue 6x

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.



Properties

Fitting type	Surface mounted
Base	Aluminium, white powder coated or silver anodised
Diffuser	Polycarbonate, clear or opaque
End caps	Polycarbonate, white, grey or black, mounted with stainless steel screws
Watertight	No
Voltage range	* 12 VDC (10 - 14) or 24 VDC (22 - 28) mono-volt * 10 - 30 VDC multi-volt
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system possible	Yes, custom-made fittings are possible (> approx. 1.7 meter)
Switch	Option, 2 positions
Motion sensor	Option, integrated in the fitting (versions up to a maximum of 9 Amp.) * default delay time after last detection 1 minute * other available delay times range from 15 seconds to 30 minutes
Night light	Option, LED (blue, red, green white or RGB), via additional wire
Dimmable	Option * 2 positions (30 / 100%), via additional wire * stepless dimmable only available with 27 LED module (15 - 100%) * Variable dim (0 - 100%) via external PWM dimmer up to a maximum of 1000 Hz, on specified versions

From page 7.02 you will find more technical information.



White powder coated, opaque diffuser, white end caps



Silver anodised, opaque diffuser, grey end caps



Silver anodised, opaque diffuser, black end caps

Mono-voltage 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (20W/m)						E4 10R-05 014100
4	12	0.5	6	400/385/400	320 x 96 x 25	MAV B 0131 D E L O O
8	12	1	12	800/770/800	521 x 96 x 25	MAV B 1031 D E L O O
12	12	1.5	18	1200/1155/1200	720 x 96 x 25	MAV B 1131 D E L O O
16	12	2	24	1600/1540/1600	919 x 96 x 25	MAV B 2031 D E L O O
20	12	2.5	30	2000/1925/2000	1118 x 96 x 25	MAV B 2131 D E L O O
24	12	3	36	2400/2310/2400	1317 x 96 x 25	MAV B 3031 D E L O O
28	12	3.5	42	2800/2695/2800	1516 x 96 x 25	MAV B 3131 D E L O O
Mid power LED (20W/m)						E4 10R-05 014100
4	24	0.5	6	400	320 x 96 x 25	MAV B 0132 D E L O O
8	24	1	12	800	521 x 96 x 25	MAV B 1032 D E L O O
12	24	1.5	18	1200	720 x 96 x 25	MAV B 1132 D E L O O
16	24	2	24	1600	919 x 96 x 25	MAV B 2032 D E L O O
20	24	2.5	30	2000	1118 x 96 x 25	MAV B 2132 D E L O O
24	24	3	36	2400	1317 x 96 x 25	MAV B 3032 D E L O O
28	24	3.5	42	2800	1516 x 96 x 25	MAV B 3132 D E L O O


Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	02 = Switch	A7 = PIR 15 seconds ¹	E7 = PIR 10 minutes ¹
	2 positions	H7 = PIR 30 seconds ¹	F7 = PIR 15 minutes ¹
		B7 = PIR 1 minute (STD) ¹	J7 = PIR 20 minutes ¹
		C7 = PIR 2 minutes ¹	G7 = PIR 30 minutes ¹
		D7 = PIR 5 minutes ¹	

¹ PIR = motion sensor

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (see page 6.06, not in combination with PIR).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 35W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (35W/m)						E4 10R-05 014104
7	12	0.5	18	800	320 x 96 x 25	MAV B 0161 D E L O O
14	12	1	36	1600	521 x 96 x 25	MAV B 1061 D E L O O
21	12	1.5	54	2400	720 x 96 x 25	MAV B 1161 D E L O O
28	12	2	72	3200	919 x 96 x 25	MAV B 2061 D E L O O
35	12	2.5	90	4000	1118 x 96 x 25	MAV B 2161 D E L O O
42	12	3	108	4800	1317 x 96 x 25	MAV B 3061 D E L O O
49	12	3.5	126	5600	1516 x 96 x 25	MAV B 3161 D E L O O
Mid power LED (35W/m)						E4 10R-05 014104
7	24	0.5	18	800	320 x 96 x 25	MAV B 0162 D E L O O
14	24	1	36	1600	521 x 96 x 25	MAV B 1062 D E L O O
21	24	1.5	54	2400	720 x 96 x 25	MAV B 1162 D E L O O
28	24	2	72	3200	919 x 96 x 25	MAV B 2062 D E L O O
35	24	2.5	90	4000	1118 x 96 x 25	MAV B 2162 D E L O O
42	24	3	108	4800	1317 x 96 x 25	MAV B 3062 D E L O O
49	24	3.5	126	5600	1516 x 96 x 25	MAV B 3162 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	02 = Switch	A7 = PIR 15 seconds ¹	E7 = PIR 10 minutes ¹
	2 positions	H7 = PIR 30 seconds ¹	F7 = PIR 15 minutes ¹
		B7 = PIR 1 minute (STD) ¹	J7 = PIR 20 minutes ¹
		C7 = PIR 2 minutes ¹	G7 = PIR 30 minutes ¹
		D7 = PIR 5 minutes ¹	

¹ PIR = motion sensor

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (see page 6.06, not in combination with PIR).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 55W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (55W/m)						E4 10R-05 014104
11.5	12	0.5	18	1200	320 x 96 x 25	MAV B 0163 D E L O O
23	12	1	36	2400	521 x 96 x 25	MAV B 1063 D E L O O
34.5	12	1.5	54	3600	720 x 96 x 25	MAV B 1163 D E L O O
46	12	2	72	4800	919 x 96 x 25	MAV B 2063 D E L O O
57.5	12	2.5	90	6000	1118 x 96 x 25	MAV B 2163 D E L O O
69	12	3	108	7200	1317 x 96 x 25	MAV B 3063 D E L O O
80.5	12	3.5	126	8400	1516 x 96 x 25	MAV B 3163 D E L O O
Mid power LED (55W/m)						E4 10R-05 014104
11.5	24	0.5	18	1200	320 x 96 x 25	MAV B 0164 D E L O O
23	24	1	36	2400	521 x 96 x 25	MAV B 1064 D E L O O
34.5	24	1.5	54	3600	720 x 96 x 25	MAV B 1164 D E L O O
46	24	2	72	4800	919 x 96 x 25	MAV B 2064 D E L O O
57.5	24	2.5	90	6000	1118 x 96 x 25	MAV B 2164 D E L O O
69	24	3	108	7200	1317 x 96 x 25	MAV B 3064 D E L O O
80.5	24	3.5	126	8400	1516 x 96 x 25	MAV B 3164 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	02 = Switch	A7 = PIR 15 seconds ¹	E7 = PIR 10 minutes ¹
	2 positions	H7 = PIR 30 seconds ¹	F7 = PIR 15 minutes ¹
		B7 = PIR 1 minute (STD) ¹	J7 = PIR 20 minutes ¹
		C7 = PIR 2 minutes ¹	G7 = PIR 30 minutes ¹
		D7 = PIR 5 minutes ¹	

¹ PIR = motion sensor

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (see page 6.06, not in combination with PIR).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 20W/m, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (20W/m)						E4 10R-05 014100
4	12	0.5	6 + 5	385	320 x 96 x 25	MAV B 0145 D E L O O
8	12	1	12 + 10	770	521 x 96 x 25	MAV B 1045 D E L O O
12	12	1.5	18 + 15	1155	720 x 96 x 25	MAV B 1145 D E L O O
16	12	2	24 + 20	1540	919 x 96 x 25	MAV B 2045 D E L O O
20	12	2.5	30 + 25	1925	1118 x 96 x 25	MAV B 2145 D E L O O
24	12	3	36 + 30	2310	1317 x 96 x 25	MAV B 3045 D E L O O
28	12	3.5	42 + 35	2695	1516 x 96 x 25	MAV B 3145 D E L O O
Mid power LED (20W/m)						E4 10R-05 014100
4	24	0.5	6 + 5	385	320 x 96 x 25	MAV B 0146 D E L O O
8	24	1	12 + 10	770	521 x 96 x 25	MAV B 1046 D E L O O
12	24	1.5	18 + 15	1155	720 x 96 x 25	MAV B 1146 D E L O O
16	24	2	24 + 20	1540	919 x 96 x 25	MAV B 2046 D E L O O
20	24	2.5	30 + 25	1925	1118 x 96 x 25	MAV B 2146 D E L O O
24	24	3	36 + 30	2310	1317 x 96 x 25	MAV B 3046 D E L O O
28	24	3.5	42 + 35	2695	1516 x 96 x 25	MAV B 3146 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹	42 = LED NL blue + switch, 2 positions on white LEDs ¹	
	50 = LED NL red ¹	52 = LED NL red + switch, 2 positions on white LEDs ¹	
	60 = LED NL green ¹	62 = LED NL green + switch, 2 positions on white LEDs ¹	
	80 = LED NL white ¹	82 = LED NL white + switch, 2 positions on white LEDs ¹	

¹ NL = Night light

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 35W/m, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (35W/m)						E4 10R-05 014104
7	12	0.5	18 + 4	800	320 x 96 x 25	MAV B 0161 D E L O O
14	12	1	36 + 9	1600	521 x 96 x 25	MAV B 1061 D E L O O
21	12	1.5	54 + 13	2400	720 x 96 x 25	MAV B 1161 D E L O O
28	12	2	72 + 18	3200	919 x 96 x 25	MAV B 2061 D E L O O
35	12	2.5	90 + 22	4000	1118 x 96 x 25	MAV B 2161 D E L O O
42	12	3	108 + 27	4800	1317 x 96 x 25	MAV B 3061 D E L O O
49	12	3.5	126 + 31	5600	1516 x 96 x 25	MAV B 3161 D E L O O
Mid power LED (35W/m)						E4 10R-05 014104
7	24	0.5	18 + 4	800	320 x 96 x 25	MAV B 0162 D E L O O
14	24	1	36 + 9	1600	521 x 96 x 25	MAV B 1062 D E L O O
21	24	1.5	54 + 13	2400	720 x 96 x 25	MAV B 1162 D E L O O
28	24	2	72 + 18	3200	919 x 96 x 25	MAV B 2062 D E L O O
35	24	2.5	90 + 22	4000	1118 x 96 x 25	MAV B 2162 D E L O O
42	24	3	108 + 27	4800	1317 x 96 x 25	MAV B 3062 D E L O O
49	24	3.5	126 + 31	5600	1516 x 96 x 25	MAV B 3162 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)


B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹	42 = LED NL blue + switch, 2 positions on white LEDs ¹	
	50 = LED NL red ¹	52 = LED NL red + switch, 2 positions on white LEDs ¹	
	60 = LED NL green ¹	62 = LED NL green + switch, 2 positions on white LEDs ¹	
	80 = LED NL white ¹	82 = LED NL white + switch, 2 positions on white LEDs ¹	
	M0 = LED NL RGB ^{1 2}	M2 = LED NL RGB + switch, 2 positions on white LEDs ^{1 2}	

¹ NL = Night light

² The RGB night lights can be configured using DIP switches.

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (see page 6.06).

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 55W/m, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (55W/m)						E4 10R-05 014104
11.5	12	0.5	18 + 4	1200	320 x 96 x 25	MAV B 0163 D E L O O
23	12	1	36 + 9	2400	521 x 96 x 25	MAV B 1063 D E L O O
34.5	12	1.5	54 + 13	3600	720 x 96 x 25	MAV B 1163 D E L O O
46	12	2	72 + 18	4800	919 x 96 x 25	MAV B 2063 D E L O O
57.5	12	2.5	90 + 22	6000	1118 x 96 x 25	MAV B 2163 D E L O O
69	12	3	108 + 27	7200	1317 x 96 x 25	MAV B 3063 D E L O O
80.5	12	3.5	126 + 31	8400	1516 x 96 x 25	MAV B 3163 D E L O O
Mid power LED (55W/m)						E4 10R-05 014104
11.5	24	0.5	18 + 4	1200	320 x 96 x 25	MAV B 0164 D E L O O
23	24	1	36 + 9	2400	521 x 96 x 25	MAV B 1064 D E L O O
34.5	24	1.5	54 + 13	3600	720 x 96 x 25	MAV B 1164 D E L O O
46	24	2	72 + 18	4800	919 x 96 x 25	MAV B 2064 D E L O O
57.5	24	2.5	90 + 22	6000	1118 x 96 x 25	MAV B 2164 D E L O O
69	24	3	108 + 27	7200	1317 x 96 x 25	MAV B 3064 D E L O O
80.5	24	3.5	126 + 31	8400	1516 x 96 x 25	MAV B 3164 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹	42 = LED NL blue + switch, 2 positions on white LEDs ¹	
	50 = LED NL red ¹	52 = LED NL red + switch, 2 positions on white LEDs ¹	
	60 = LED NL green ¹	62 = LED NL green + switch, 2 positions on white LEDs ¹	
	80 = LED NL white ¹	82 = LED NL white + switch, 2 positions on white LEDs ¹	
	M0 = LED NL RGB ^{1 2}	M2 = LED NL RGB + switch, 2 positions on white LEDs ^{1 2}	

¹ NL = Night light

² The RGB night lights can be configured using DIP switches.

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (see page 6.06).

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 35W/m, white dimmable LEDs + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (35W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 014104
7	12	0.5	18 + 4	800	320 x 96 x 25	MAV B 0167 D E L O O
14	12	1	36 + 9	1600	521 x 96 x 25	MAV B 1067 D E L O O
21	12	1.5	54 + 13	2400	720 x 96 x 25	MAV B 1167 D E L O O
28	12	2	72 + 18	3200	919 x 96 x 25	MAV B 2067 D E L O O
35	12	2.5	90 + 22	4000	1118 x 96 x 25	MAV B 2167 D E L O O
42	12	3	108 + 27	4800	1317 x 96 x 25	MAV B 3067 D E L O O
49	12	3.5	126 + 31	5600	1516 x 96 x 25	MAV B 3167 D E L O O
Mid power LED (35W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 014104
7	24	0.5	18 + 4	800	320 x 96 x 25	MAV B 0168 D E L O O
14	24	1	36 + 9	1600	521 x 96 x 25	MAV B 1068 D E L O O
21	24	1.5	54 + 13	2400	720 x 96 x 25	MAV B 1168 D E L O O
28	24	2	72 + 18	3200	919 x 96 x 25	MAV B 2068 D E L O O
35	24	2.5	90 + 22	4000	1118 x 96 x 25	MAV B 2168 D E L O O
42	24	3	108 + 27	4800	1317 x 96 x 25	MAV B 3068 D E L O O
49	24	3.5	126 + 31	5600	1516 x 96 x 25	MAV B 3168 D E L O O

Please view the next page for more available versions.


Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹		
	50 = LED NL red ¹		
	60 = LED NL green ¹		
	80 = LED NL white ¹		
	M0 = LED NL RGB ^{1,2}		

¹ NL = Night light

² The RGB night lights can be configured using DIP switches.

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 55W/m, white dimmable LEDs + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (55W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 014104
11.5	12	0.5	18 + 4	1200	320 x 96 x 25	MAV B 0169 D E L O O
23	12	1	36 + 9	2400	521 x 96 x 25	MAV B 1069 D E L O O
34.5	12	1.5	54 + 13	3600	720 x 96 x 25	MAV B 1169 D E L O O
46	12	2	72 + 18	4800	919 x 96 x 25	MAV B 2069 D E L O O
57.5	12	2.5	90 + 22	6000	1118 x 96 x 25	MAV B 2169 D E L O O
69	12	3	108 + 27	7200	1317 x 96 x 25	MAV B 3069 D E L O O
80.5	12	3.5	126 + 31	8400	1516 x 96 x 25	MAV B 3169 D E L O O
Mid power LED (55W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 014104
11.5	24	0.5	18 + 4	1200	320 x 96 x 25	MAV B 0170 D E L O O
23	24	1	36 + 9	2400	521 x 96 x 25	MAV B 1070 D E L O O
34.5	24	1.5	54 + 13	3600	720 x 96 x 25	MAV B 1170 D E L O O
46	24	2	72 + 18	4800	919 x 96 x 25	MAV B 2070 D E L O O
57.5	24	2.5	90 + 22	6000	1118 x 96 x 25	MAV B 2170 D E L O O
69	24	3	108 + 27	7200	1317 x 96 x 25	MAV B 3070 D E L O O
80.5	24	3.5	126 + 31	8400	1516 x 96 x 25	MAV B 3170 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹		
	50 = LED NL red ¹		
	60 = LED NL green ¹		
	80 = LED NL white ¹		
	M0 = LED NL RGB ^{1 2}		

¹ NL = Night light

² The RGB night lights can be configured using DIP switches.

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

2 Surface mounted LED fittings

Multi-voltage 17.5W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (17.5W/m)						E4 10R-05 014535
3.5	10-30	0.5	6	400	320 x 96 x 25	MAV B 0176 D E L O O
7	10-30	1	12	800	521 x 96 x 25	MAV B 1076 D E L O O
14	10-30	2	24	1600	919 x 96 x 25	MAV B 2076 D E L O O
17.5	10-30	2.5	30	2000	1118 x 96 x 25	MAV B 2176 D E L O O
21	10-30	3	36	2400	1317 x 96 x 25	MAV B 3076 D E L O O
24.5	10-30	3.5	42	2800	1516 x 96 x 25	MAV B 3176 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	02 = Switch 2 positions	A7 = PIR 15 seconds ¹	E7 = PIR 10 minutes ¹
		H7 = PIR 30 seconds ¹	F7 = PIR 15 minutes ¹
		B7 = PIR 1 minute (STD) ¹	J7 = PIR 20 minutes ¹
		C7 = PIR 2 minutes ¹	G7 = PIR 30 minutes ¹
		D7 = PIR 5 minutes ¹	

¹ PIR = motion sensor

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 20, 25 and 25W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (20W/m)						E4 10R-05 012575
4.5	10-30	1	12	500 short version	320 x 96 x 25	MAV B 107 D E L O O
High power LED (25W/m)						E4 10R-05 012573
4	10-30	1	3	450/550/450	278 x 96 x 25	MAV B 101 D E L O O
8	10-30	1	6	900/1100/900	420 x 96 x 25	MAV B 103 D E L O O
16	10-30	2	12	1800/2200/1800	740 x 96 x 25	MAV B 203 D E L O O
24	10-30	3	18	2700/3300/2700	1060 x 96 x 25	MAV B 303 D E L O O
32	10-30	4	24	3600/4400/3600	1380 x 96 x 25	MAV B 403 D E L O O
High power LED (35W/m)						E4 10R-05 012573
5.5	10-30	1	3	600/700/600	278 x 96 x 25	MAV B 125 D E L O O
11	10-30	1	6	1200/1400/1200	420 x 96 x 25	MAV B 123 D E L O O
22	10-30	2	12	2400/2800/2400	740 x 96 x 25	MAV B 223 D E L O O
33	10-30	3	18	3600/4200/3600	1060 x 96 x 25	MAV B 323 D E L O O
44	10-30	4	24	4800/5600/4800	1380 x 96 x 25	MAV B 423 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	02 = Switch	A7 = PIR 15 seconds ¹	E7 = PIR 10 minutes ¹
	2 positions	H7 = PIR 30 seconds ¹	F7 = PIR 15 minutes ¹
		B7 = PIR 1 minute (STD) ¹	J7 = PIR 20 minutes ¹
		C7 = PIR 2 minutes ¹	G7 = PIR 30 minutes ¹
		D7 = PIR 5 minutes ¹	

¹ PIR = motion sensor

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 25W/m, white LEDs


Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (25W/m)						E4 10R-05 012577
7.5	10-30	1	21	1000	370 x 96 x 25	MAV B 116 D E L O O
15	10-30	2	42	2000	640 x 96 x 25	MAV B 216 D E L O O
22.5	10-30	3	63	3000	910 x 96 x 25	MAV B 316 D E L O O
30	10-30	4	84	4000	1180 x 96 x 25	MAV B 416 D E L O O
37.5	10-30	5	105	5000	1450 x 96 x 25	MAV B 516 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	02 = Switch	A7 = PIR 15 seconds ¹	E7 = PIR 10 minutes ¹
	2 positions	H7 = PIR 30 seconds ¹	F7 = PIR 15 minutes ¹
		B7 = PIR 1 minute (STD) ¹	J7 = PIR 20 minutes ¹
		C7 = PIR 2 minutes ¹	G7 = PIR 30 minutes ¹
		D7 = PIR 5 minutes ¹	

¹ PIR = motion sensor

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 17.5W/m, white dimmable LEDs


Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (17.5W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 014535
3.5	10-30	0.5	6	400	320 x 96 x 25	MAV B 0174 D E L O O
7	10-30	1	12	800	521 x 96 x 25	MAV B 1074 D E L O O
10.5	10-30	1.5	18	1200	720 x 96 x 25	MAV B 1174 D E L O O
14	10-30	2	24	1600	919 x 96 x 25	MAV B 2074 D E L O O
17.5	10-30	2.5	30	2000	1118 x 96 x 25	MAV B 2174 D E L O O
21	10-30	3	36	2400	1317 x 96 x 25	MAV B 3074 D E L O O
24.5	10-30	3.5	42	2800	1516 x 96 x 25	MAV B 3174 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	02 = Switch		
	2 positions		

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 25W/m, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (25W/m)						E4 10R-05 012577
7.5	10-30	1	21 + 6	1000	370 x 96 x 25	MAV B 116 D E L O O
15	10-30	2	42 + 12	2000	640 x 96 x 25	MAV B 216 D E L O O
22.5	10-30	3	63 + 18	3000	910 x 96 x 25	MAV B 316 D E L O O
30	10-30	4	84 + 24	4000	1180 x 96 x 25	MAV B 416 D E L O O
37.5	10-30	5	105 + 30	5000	1450 x 96 x 25	MAV B 516 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹	42 = LED NL blue + switch, 2 positions on white LEDs ¹	
	50 = LED NL red ¹	52 = LED NL red + switch, 2 positions on white LEDs ¹	
	60 = LED NL green ¹	62 = LED NL green + switch, 2 positions on white LEDs ¹	
	80 = LED NL white ¹	82 = LED NL white + switch, 2 positions on white LEDs ¹	

¹ NL = Night light

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 25W/m, white dimmable LEDs + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (25W/m, stepless dim 15 - 100% or 2 steps 30 / 100%)						E4 10R-05 012577
7.5	10-30	1	21 + 6	1000	370 x 96 x 25	MAV B 109 D E L O O
15	10-30	2	42 + 12	2000	640 x 96 x 25	MAV B 209 D E L O O
22.5	10-30	3	63 + 18	3000	910 x 96 x 25	MAV B 309 D E L O O
30	10-30	4	84 + 24	4000	1180 x 96 x 25	MAV B 409 D E L O O
37.5	10-30	5	105 + 30	5000	1450 x 96 x 25	MAV B 509 D E L O O

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹		
	50 = LED NL red ¹		
	60 = LED NL green ¹		
	80 = LED NL white ¹		

¹ NL = Night light

Please contact us for the possibilities with special switch options.

Example

Article number MAV 1 3062 H W 1 02 results in the following article:

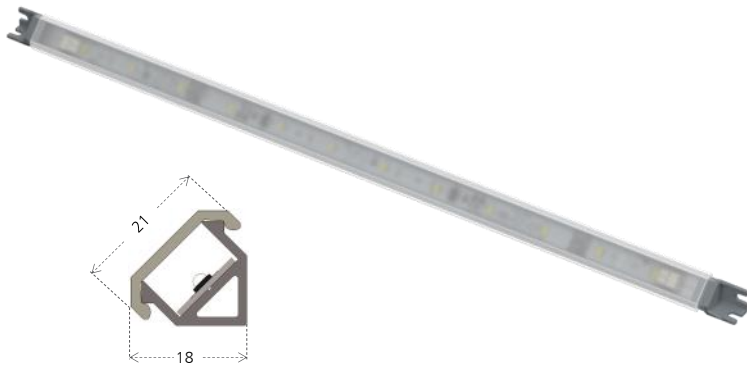
Surface mounted fitting 'Micro Avenue'

- * 1317x96x25mm
- * base white powdercoated
- * 3x36 mid power LED
 - 108x natural white
 - 42W/24VDC (mono-volt)
 - light output 4800 lm
- * clear diffuser/white end caps
- * mounting via screws (not included)
- * cable connection inside fitting
- * switch, 2 positions

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

2

Surface mounted LED fittings



Properties

Fitting type	Surface mounted
Base	Aluminium silver anodised
Diffuser	Polycarbonate, clear or opaque
End caps	White, grey or black
Mounting	The fitting can be mounted via double sided adhesive VHB tape (already attached to the fitting).
Watertight	No (see page 4.08 Micro Edge WT series and page 4.14 Micro Edge WT Connect series)
Voltage range	* 12 VDC (10 - 14) or 24 VDC (22 - 28) mono-volt * 10 - 30 VDC multi-volt
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system possible	Yes, custom-made fittings are possible (> approx. 1.7 meter)
Switch	Option, touch switch, 2 positions (on/off) with 10 minutes timer function (this option will increase the fitting's cut-out length by 55 mm)
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	No
Dimmable	Option * 2 positions (30 / 100%), via additional wire (not in combination with a touch switch) * Variable dim (0 - 100%) via external PWM dimmer up to a maximum of 1000 Hz, on specified versions

From page 7.02 you will find more technical information.





Silver anodised, opaque diffuser, white end caps

Silver anodised, opaque diffuser, grey end caps

Silver anodised, opaque diffuser, black end caps

Mono-voltage 6.25, 12.5 and 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (6.25W/m)						E4 10R-05 014100
1.25	12	0.5	3	135	283 x 18 x 21	ME B 0127 D E L O O
2.5	12	1	6	275	484 x 18 x 21	ME B 1027 D E L O O
3.75	12	1.5	9	410	683 x 18 x 21	ME B 1127 D E L O O
5	12	2	12	550	882 x 18 x 21	ME B 2027 D E L O O
6.25	12	2.5	15	685	1081 x 18 x 21	ME B 2127 D E L O O
7.5	12	3	18	825	1280 x 18 x 21	ME B 3027 D E L O O
8.75	12	3.5	21	960	1479 x 18 x 21	ME B 3127 D E L O O
10	12	4	24	1100	1678 x 18 x 21	ME B 4027 D E L O O
Mid power LED (12.5W/m)						E4 10R-05 014100
2.5	12	0.5	6	275	283 x 18 x 21	ME B 0129 D E L O O
5	12	1	12	550	484 x 18 x 21	ME B 1029 D E L O O
7.5	12	1.5	18	825	683 x 18 x 21	ME B 1129 D E L O O
10	12	2	24	1100	882 x 18 x 21	ME B 2029 D E L O O
12.5	12	2.5	30	1375	1081 x 18 x 21	ME B 2129 D E L O O
15	12	3	36	1650	1280 x 18 x 21	ME B 3029 D E L O O
17.5	12	3.5	42	1925	1479 x 18 x 21	ME B 3129 D E L O O
20	12	4	48	2200	1678 x 18 x 21	ME B 4029 D E L O O
Mid power LED (20W/m) 						E4 10R-05 014100
4	12	0.5	6	400/385/400	283 x 18 x 21	ME B 0131 D E L O O
8	12	1	12	800/770/800	484 x 18 x 21	ME B 1031 D E L O O
12	12	1.5	18	1200/1155/1200	683 x 18 x 21	ME B 1131 D E L O O
16	12	2	24	1600/1540/1600	882 x 18 x 21	ME B 2031 D E L O O
20	12	2.5	30	2000/1925/2000	1081 x 18 x 21	ME B 2131 D E L O O
24	12	3	36	2400/2310/2400	1280 x 18 x 21	ME B 3031 D E L O O
28	12	3.5	42	2800/2695/2800	1479 x 18 x 21	ME B 3131 D E L O O
32	12	4	48	3200/3080/3200	1678 x 18 x 21	ME B 4031 D E L O O

 Mounting on a metal base is necessary because of the heat sink of the LEDs.
Please view the next page for more available versions.


Article number (B D E L O O choices)

B = Base	4 = Silver		
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
O = Option	0 = No option	1 = Touch switch	
O = Version	A = Tape assembly A	B = Tape assembly B	

(mounting examples available on page 2.42)

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

Mono-voltage 6.25, 12.5 and 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (6.25W/m)						E4 10R-05 014100
2.5	24	0.5	3	135	283 x 18 x 21	ME B 0128 D E L O O
2.5	24	1	6	275	484 x 18 x 21	ME B 1028 D E L O O
5	24	1.5	9	410	683 x 18 x 21	ME B 1128 D E L O O
5	24	2	12	550	882 x 18 x 21	ME B 2028 D E L O O
7.5	24	2.5	15	685	1081 x 18 x 21	ME B 2128 D E L O O
7.5	24	3	18	825	1280 x 18 x 21	ME B 3028 D E L O O
10	24	3.5	21	960	1479 x 18 x 21	ME B 3128 D E L O O
10	24	4	24	1100	1678 x 18 x 21	ME B 4028 D E L O O
Mid power LED (12.5W/m)						E4 10R-05 014100
2.5	24	0.5	6	275	283 x 18 x 21	ME B 0130 D E L O O
5	24	1	12	550	484 x 18 x 21	ME B 1030 D E L O O
7.5	24	1.5	18	825	683 x 18 x 21	ME B 1130 D E L O O
10	24	2	24	1100	882 x 18 x 21	ME B 2030 D E L O O
12.5	24	2.5	30	1375	1081 x 18 x 21	ME B 2130 D E L O O
15	24	3	36	1650	1280 x 18 x 21	ME B 3030 D E L O O
17.5	24	3.5	42	1925	1479 x 18 x 21	ME B 3130 D E L O O
20	24	4	48	2200	1678 x 18 x 21	ME B 4030 D E L O O
Mid power LED (20W/m) 						E4 10R-05 014100
4	24	0.5	6	400	283 x 18 x 21	ME B 0132 D E L O O
8	24	1	12	800	484 x 18 x 21	ME B 1032 D E L O O
12	24	1.5	18	1200	683 x 18 x 21	ME B 1132 D E L O O
16	24	2	24	1600	882 x 18 x 21	ME B 2032 D E L O O
20	24	2.5	30	2000	1081 x 18 x 21	ME B 2132 D E L O O
24	24	3	36	2400	1280 x 18 x 21	ME B 3032 D E L O O
28	24	3.5	42	2800	1479 x 18 x 21	ME B 3132 D E L O O
32	24	4	48	3200	1678 x 18 x 21	ME B 4032 D E L O O

 Mounting on a metal base is necessary because of the heat sink of the LEDs.

Please view the next page for more available versions.


Article number (B D E L O O choices)


B = Base	4 = Silver		
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
O = Option	0 = No option	1 = Touch switch	
O = Version	A = Tape assembly A	B = Tape assembly B	

(mounting examples available on page 2.42)

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

Multi-voltage 10 and 17.5W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (10W/m)						E4 10R-05 014535
2	10-30	0.5	6	250	283 x 18 x 21	ME B 0175 D E L O O
4	10-30	1	12	500	484 x 18 x 21	ME B 1075 D E L O O
6	10-30	1.5	18	750	683 x 18 x 21	ME B 1175 D E L O O
8	10-30	2	24	1000	882 x 18 x 21	ME B 2075 D E L O O
10	10-30	2.5	30	1250	1081 x 18 x 21	ME B 2175 D E L O O
12	10-30	3	36	1500	1280 x 18 x 21	ME B 3075 D E L O O
14	10-30	3.5	42	1750	1479 x 18 x 21	ME B 3175 D E L O O
16	10-30	4	48	2000	1678 x 18 x 21	ME B 4075 D E L O O
Mid power LED (17.5W/m) 						E4 10R-05 014535
3.5	10-30	0.5	6	400	283 x 18 x 21	ME B 0176 D E L O O
7	10-30	1	12	800	484 x 18 x 21	ME B 1076 D E L O O
10.5	10-30	1.5	18	1200	683 x 18 x 21	ME B 1176 D E L O O
14	10-30	2	24	1600	882 x 18 x 21	ME B 2076 D E L O O
17.5	10-30	2.5	30	2000	1081 x 18 x 21	ME B 2176 D E L O O
21	10-30	3	36	2400	1280 x 18 x 21	ME B 3076 D E L O O
24.5	10-30	3.5	42	2800	1479 x 18 x 21	ME B 3176 D E L O O
28	10-30	4	48	3200	1678 x 18 x 21	ME B 4076 D E L O O

 Mounting on a metal base is necessary because of the heat sink of the LEDs.

Article number (B D E L O O choices)

B = Base 4 = Silver

D = Diffuser H = Clear O = Opaque

E = End caps W = White G = Grey Z = Black

L = Light colour 1 = Natural white 2 = Cool white 3 = Warm white

O = Option 0 = No option 1 = Touch switch

O = Version A = Tape assembly A B = Tape assembly B

(mounting examples available on page 2.42)

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Example

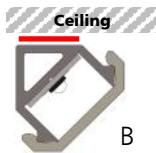
Article number ME 4 1175 H G 1 0 A results in the following article:

Surface mounted fitting 'Micro Edge'

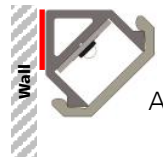
- * 603x18x21mm
- * base silver anodised
- * 1.5x12 mid power LED module
- 18x natural white
- 6W/10-30VDC (multi-volt)
- light output 750 lm
- * clear diffuser/grey end caps
- * VHB tape assembly A (already mounted)
- * cable out-coming $\pm 30\text{cm}/2\text{x}1\text{mm}^2$

Mounting examples

Horizontal
(cable left)

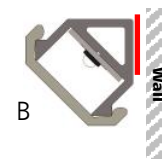
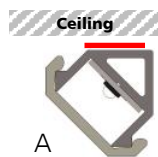


Side view (cable out-coming on the left side)



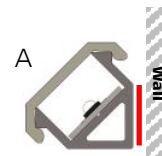
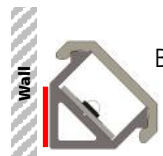
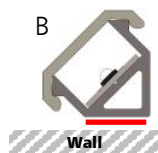
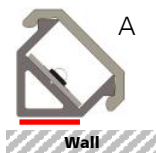
Horizontal
(cable right)

Side view (cable out-coming on the right side)



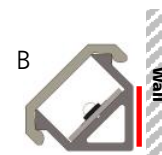
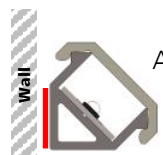
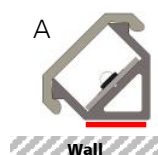
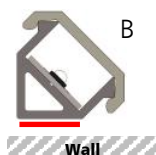
Vertical
(cable on top)


Top view (cable out-coming on the top side)



Vertical
(cable below)

Top view (cable out-coming on the lower side)



 = VHB tape

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.



Properties

Fitting type	Surface mounted
Base	Aluminium, white powder coated or silver anodised
Diffuser	Polycarbonate, clear or opaque
End caps	Polycarbonate, white or grey, mounted with stainless steel screws
Watertight	No
Voltage range	* 12 VDC (10 - 14) or 24 VDC (22 - 28) mono-volt * 10 - 30 VDC multi-volt
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system possible	Yes, custom-made fittings are possible (> approx. 1.7 meter)
Switch	Yes, 2 positions (this option will increase the fitting length by 25 mm)
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	Option, LED (blue, red, green, white or RGB), via additional wire
Dimmable	Option * 2 positions (30 / 100%), via additional wire * stepless dimmable only available with 27 LED module (15 - 100%) * Variable dim (0 - 100%) via external PWM dimmer up to a maximum of 1000 Hz, on specified versions

From page 7.02 you will find more technical information.



White powder coated, opaque diffuser, white end caps



Silver anodised, opaque diffuser, grey end caps

Mono-voltage 12.5 and 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (12.5W/m)						E4 10R-05 014100
2.5	12	0.5	6	275	285 x 45 x 45	MCO B 0129 D E L O O
5	12	1	12	550	484 x 45 x 45	MCO B 1029 D E L O O
7.5	12	1.5	18	825	685 x 45 x 45	MCO B 1129 D E L O O
10	12	2	24	1100	884 x 45 x 45	MCO B 2029 D E L O O
12.5	12	2.5	30	1375	1085 x 45 x 45	MCO B 2129 D E L O O
15	12	3	36	1650	1284 x 45 x 45	MCO B 3029 D E L O O
17.5	12	3.5	42	1925	1485 x 45 x 45	MCO B 3129 D E L O O
Mid power LED (20W/m)						E4 10R-05 014100
4	12	0.5	6	400/385/400	285 x 45 x 45	MCO B 0131 D E L O O
8	12	1	12	800/770/800	484 x 45 x 45	MCO B 1031 D E L O O
12	12	1.5	18	1200/1155/1200	685 x 45 x 45	MCO B 1131 D E L O O
16	12	2	24	1600/1540/1600	884 x 45 x 45	MCO B 2031 D E L O O
20	12	2.5	30	2000/1925/2000	1085 x 45 x 45	MCO B 2131 D E L O O
24	12	3	36	2400/2310/2400	1284 x 45 x 45	MCO B 3031 D E L O O
28	12	3.5	42	2800/2695/2800	1485 x 45 x 45	MCO B 3131 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base 1 = White 4 = Silver

D = Diffuser H = Clear O = Opaque

E = End caps W = White G = Grey


L = Light colour 1 = Natural white 2 = Cool white 3 = Warm white

OO = Option 00 = No option

02 = Switch

2 positions

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 12.5 and 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (12.5W/m)						E4 10R-05 014100
2.5	24	0.5	6	275	285 x 45 x 45	MCO B 0130 D E L O O
5	24	1	12	550	484 x 45 x 45	MCO B 1030 D E L O O
7.5	24	1.5	18	825	685 x 45 x 45	MCO B 1130 D E L O O
10	24	2	24	1100	884 x 45 x 45	MCO B 2030 D E L O O
12.5	24	2.5	30	1375	1085 x 45 x 45	MCO B 2130 D E L O O
15	24	3	36	1650	1284 x 45 x 45	MCO B 3030 D E L O O
17.5	24	3.5	42	1925	1485 x 45 x 45	MCO B 3130 D E L O O
Mid power LED (20W/m)						E4 10R-05 014100
4	24	0.5	6	400	285 x 45 x 45	MCO B 0132 D E L O O
8	24	1	12	800	484 x 45 x 45	MCO B 1032 D E L O O
12	24	1.5	18	1200	685 x 45 x 45	MCO B 1132 D E L O O
16	24	2	24	1600	884 x 45 x 45	MCO B 2032 D E L O O
20	24	2.5	30	2000	1085 x 45 x 45	MCO B 2132 D E L O O
24	24	3	36	2400	1284 x 45 x 45	MCO B 3032 D E L O O
28	24	3.5	42	2800	1485 x 45 x 45	MCO B 3132 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	02 = Switch		
	2 positions		

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 35W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (35W/m)						E4 10R-05 014104
7	12	0.5	18	800	285 x 45 x 45	MCO B 0161 D E L O O
14	12	1	36	1600	484 x 45 x 45	MCO B 1061 D E L O O
21	12	1.5	54	2400	685 x 45 x 45	MCO B 1161 D E L O O
28	12	2	72	3200	884 x 45 x 45	MCO B 2061 D E L O O
35	12	2.5	90	4000	1085 x 45 x 45	MCO B 2161 D E L O O
42	12	3	108	4800	1284 x 45 x 45	MCO B 3061 D E L O O
49	12	3.5	126	5600	1485 x 45 x 45	MCO B 3161 D E L O O
Mid power LED (35W/m)						E4 10R-05 014104
7	24	0.5	18	800	285 x 45 x 45	MCO B 0162 D E L O O
14	24	1	36	1600	484 x 45 x 45	MCO B 1062 D E L O O
21	24	1.5	54	2400	685 x 45 x 45	MCO B 1162 D E L O O
28	24	2	72	3200	884 x 45 x 45	MCO B 2062 D E L O O
35	24	2.5	90	4000	1085 x 45 x 45	MCO B 2162 D E L O O
42	24	3	108	4800	1284 x 45 x 45	MCO B 3062 D E L O O
49	24	3.5	126	5600	1485 x 45 x 45	MCO B 3162 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base 1 = White 4 = Silver

D = Diffuser H = Clear O = Opaque

E = End caps W = White G = Grey

L = Light colour 1 = Natural white 2 = Cool white 3 = Warm white

OO = Option 00 = No option

02 = Switch

2 positions

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 12.5 and 20W/m, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (12.5W/m)						E4 10R-05 014100
2.5	12	0.5	6 + 5	275	285 x 45 x 45	MCO B 0143 D E L O O
5	12	1	12 + 10	550	484 x 45 x 45	MCO B 1043 D E L O O
7.5	12	1.5	18 + 15	825	685 x 45 x 45	MCO B 1143 D E L O O
10	12	2	24 + 20	1100	884 x 45 x 45	MCO B 2043 D E L O O
12.5	12	2.5	30 + 25	1375	1085 x 45 x 45	MCO B 2143 D E L O O
15	12	3	36 + 30	1650	1284 x 45 x 45	MCO B 3043 D E L O O
17.5	12	3.5	42 + 35	1925	1485 x 45 x 45	MCO B 3143 D E L O O
Mid power LED (20W/m)						E4 10R-05 014100
4	12	0.5	6 + 5	385	285 x 45 x 45	MCO B 0145 D E L O O
8	12	1	12 + 10	770	484 x 45 x 45	MCO B 1045 D E L O O
12	12	1.5	18 + 15	1155	685 x 45 x 45	MCO B 1145 D E L O O
16	12	2	24 + 20	1540	884 x 45 x 45	MCO B 2045 D E L O O
20	12	2.5	30 + 25	1925	1085 x 45 x 45	MCO B 2145 D E L O O
24	12	3	36 + 30	2310	1284 x 45 x 45	MCO B 3045 D E L O O
28	12	3.5	42 + 35	2695	1485 x 45 x 45	MCO B 3145 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹	42 = LED NL blue + switch, 2 positions on white LEDs ¹	
	50 = LED NL red ¹	52 = LED NL red + switch, 2 positions on white LEDs ¹	
	60 = LED NL green ¹	62 = LED NL green + switch, 2 positions on white LEDs ¹	
	80 = LED NL white ¹	82 = LED NL white + switch, 2 positions on white LEDs ¹	

NL = Night light

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 12.5 and 20W/m, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (12.5W/m)						E4 10R-05 014100
2.5	24	0.5	6 + 5	275	285 x 45 x 45	MCO B 0144 D E L O O
5	24	1	12 + 10	550	484 x 45 x 45	MCO B 1044 D E L O O
7.5	24	1.5	18 + 15	825	685 x 45 x 45	MCO B 1144 D E L O O
10	24	2	24 + 20	1100	884 x 45 x 45	MCO B 2044 D E L O O
12.5	24	2.5	30 + 25	1375	1085 x 45 x 45	MCO B 2144 D E L O O
15	24	3	36 + 30	1650	1284 x 45 x 45	MCO B 3044 D E L O O
17.5	24	3.5	42 + 35	1925	1485 x 45 x 45	MCO B 3144 D E L O O
Mid power LED (20W/m)						E4 10R-05 014100
4	24	0.5	6 + 5	385	285 x 45 x 45	MCO B 0146 D E L O O
8	24	1	12 + 10	770	484 x 45 x 45	MCO B 1046 D E L O O
12	24	1.5	18 + 15	1155	685 x 45 x 45	MCO B 1146 D E L O O
16	24	2	24 + 20	1540	884 x 45 x 45	MCO B 2046 D E L O O
20	24	2.5	30 + 25	1925	1085 x 45 x 45	MCO B 2146 D E L O O
24	24	3	36 + 30	2310	1284 x 45 x 45	MCO B 3046 D E L O O
28	24	3.5	42 + 35	2695	1485 x 45 x 45	MCO B 3146 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹	42 = LED NL blue + switch, 2 positions on white LEDs ¹	
	50 = LED NL red ¹	52 = LED NL red + switch, 2 positions on white LEDs ¹	
	60 = LED NL green ¹	62 = LED NL green + switch, 2 positions on white LEDs ¹	
	80 = LED NL white ¹	82 = LED NL white + switch, 2 positions on white LEDs ¹	

NL = Night light

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 35W/m, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (35W/m)						E4 10R-05 014104
7	12	0.5	18 + 4	800	285 x 45 x 45	MCO B 0161 D E L O O
14	12	1	36 + 9	1600	484 x 45 x 45	MCO B 1061 D E L O O
21	12	1.5	54 + 13	2400	685 x 45 x 45	MCO B 1161 D E L O O
28	12	2	72 + 18	3200	884 x 45 x 45	MCO B 2061 D E L O O
35	12	2.5	90 + 22	4000	1085 x 45 x 45	MCO B 2161 D E L O O
42	12	3	108 + 27	4800	1284 x 45 x 45	MCO B 3061 D E L O O
49	12	3.5	126 + 31	5600	1485 x 45 x 45	MCO B 3161 D E L O O
Mid power LED (35W/m)						E4 10R-05 014104
7	24	0.5	18 + 4	800	285 x 45 x 45	MCO B 0162 D E L O O
14	24	1	36 + 9	1600	484 x 45 x 45	MCO B 1062 D E L O O
21	24	1.5	54 + 13	2400	685 x 45 x 45	MCO B 1162 D E L O O
28	24	2	72 + 18	3200	884 x 45 x 45	MCO B 2062 D E L O O
35	24	2.5	90 + 22	4000	1085 x 45 x 45	MCO B 2162 D E L O O
42	24	3	108 + 27	4800	1284 x 45 x 45	MCO B 3062 D E L O O
49	24	3.5	126 + 31	5600	1485 x 45 x 45	MCO B 3162 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹	42 = LED NL blue + switch, 2 positions on white LEDs ¹	
	50 = LED NL red ¹	52 = LED NL red + switch, 2 positions on white LEDs ¹	
	60 = LED NL green ¹	62 = LED NL green + switch, 2 positions on white LEDs ¹	
	80 = LED NL white ¹	82 = LED NL white + switch, 2 positions on white LEDs ¹	
	M0 = LED NL RGB ^{1 2}	M2 = LED NL RGB + switch, 2 positions on white LEDs ^{1 2}	

¹ NL = night light

² The RGB night lights can be configured using DIP switches.

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 35W/m, white dimmable LEDs + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (35W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 014104
7	12	0.5	18 + 4	800	285 x 45 x 45	MCO B 0167 D E L O O
14	12	1	36 + 9	1600	484 x 45 x 45	MCO B 1067 D E L O O
21	12	1.5	54 + 13	2400	685 x 45 x 45	MCO B 1167 D E L O O
28	12	2	72 + 18	3200	884 x 45 x 45	MCO B 2067 D E L O O
35	12	2.5	90 + 22	4000	1085 x 45 x 45	MCO B 2167 D E L O O
42	12	3	108 + 27	4800	1284 x 45 x 45	MCO B 3067 D E L O O
49	12	3.5	126 + 31	5600	1485 x 45 x 45	MCO B 3167 D E L O O
Mid power LED (35W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 014104
7	24	0.5	18 + 4	800	285 x 45 x 45	MCO B 0168 D E L O O
14	24	1	36 + 9	1600	484 x 45 x 45	MCO B 1068 D E L O O
21	24	1.5	54 + 13	2400	685 x 45 x 45	MCO B 1168 D E L O O
28	24	2	72 + 18	3200	884 x 45 x 45	MCO B 2068 D E L O O
35	24	2.5	90 + 22	4000	1085 x 45 x 45	MCO B 2168 D E L O O
42	24	3	108 + 27	4800	1284 x 45 x 45	MCO B 3068 D E L O O
49	24	3.5	126 + 31	5600	1485 x 45 x 45	MCO B 3168 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹		
	50 = LED NL red ¹		
	60 = LED NL green ¹		
	80 = LED NL white ¹		
	M0 = LED NL RGB ^{1,2}		

¹ NL = night light

² The RGB night lights can be configured using DIP switches.

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 10 and 17.5W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (10W/m)						E4 10R-05 014535
2	10-30	0.5	6	250	285 x 45 x 45	MCO B 0175 D E L O O
4	10-30	1	12	500	484 x 45 x 45	MCO B 1075 D E L O O
6	10-30	1.5	18	750	685 x 45 x 45	MCO B 1175 D E L O O
8	10-30	2	24	1000	884 x 45 x 45	MCO B 2075 D E L O O
10	10-30	2.5	30	1250	1085 x 45 x 45	MCO B 2175 D E L O O
12	10-30	3	36	1500	1284 x 45 x 45	MCO B 3075 D E L O O
14	10-30	3.5	42	1750	1485 x 45 x 45	MCO B 3175 D E L O O
Mid power LED (17.5W/m)						E4 10R-05 014535
3.5	10-30	0.5	6	400	285 x 45 x 45	MCO B 0176 D E L O O
7	10-30	1	12	800	484 x 45 x 45	MCO B 1076 D E L O O
10.5	10-30	1.5	18	1200	685 x 45 x 45	MCO B 1176 D E L O O
14	10-30	2	24	1600	884 x 45 x 45	MCO B 2076 D E L O O
17.5	10-30	2.5	30	2000	1085 x 45 x 45	MCO B 2176 D E L O O
21	10-30	3	36	2400	1284 x 45 x 45	MCO B 3076 D E L O O
24.5	10-30	3.5	42	2800	1485 x 45 x 45	MCO B 3176 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base 1 = White 4 = Silver

D = Diffuser H = Clear O = Opaque

E = End caps W = White G = Grey

L = Light colour 1 = Natural white 2 = Cool white 3 = Warm white

OO = Option 00 = No option

02 = Switch

2 positions

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 25 and 35W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
High power LED (25W/m)						E4 10R-05 012573
4	10-30	1	3	450/550/450	244 x 45 x 45	MCO B 101 D E L O O
8	10-30	1	6	900/1100/900	386 x 45 x 45	MCO B 103 D E L O O
16	10-30	2	12	1800/2200/1800	686 x 45 x 45	MCO B 203 D E L O O
24	10-30	3	18	2700/3300/2700	986 x 45 x 45	MCO B 303 D E L O O
32	10-30	4	24	3600/4400/3600	1286 x 45 x 45	MCO B 403 D E L O O
40	10-30	5	30	4500/5500/4500	1586 x 45 x 45	MCO B 503 D E L O O
High power LED (35W/m)						E4 10R-05 012573
5.5	10-30	1	3	600/700/600	244 x 45 x 45	MCO B 125 D E L O O
11	10-30	1	6	1200/1400/1200	386 x 45 x 45	MCO B 123 D E L O O
22	10-30	2	12	2400/2800/2400	686 x 45 x 45	MCO B 223 D E L O O
33	10-30	3	18	3600/4200/3600	986 x 45 x 45	MCO B 323 D E L O O
44	10-30	4	24	4800/5600/4800	1286 x 45 x 45	MCO B 423 D E L O O
55	10-30	5	30	6000/7000/6000	1586 x 45 x 45	MCO B 523 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	02 = Switch		
	2 positions		

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 25W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (25W/m)						E4 10R-05 012577
7.5	10-30	1	21	1000	336 x 45 x 45	MCO B 116 D E L O O
15	10-30	2	42	2000	606 x 45 x 45	MCO B 216 D E L O O
22.5	10-30	3	63	3000	876 x 45 x 45	MCO B 316 D E L O O
30	10-30	4	84	4000	1146 x 45 x 45	MCO B 416 D E L O O
37.5	10-30	5	105	5000	1416 x 45 x 45	MCO B 516 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	02 = Switch		
	2 positions		

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 10 and 17.5W/m, white dimmable LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (10W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 014535
2	10-30	0.5	6	250	285 x 45 x 45	MCO B 0173 D E L O O
4	10-30	1	12	500	484 x 45 x 45	MCO B 1073 D E L O O
6	10-30	1.5	18	750	685 x 45 x 45	MCO B 1173 D E L O O
8	10-30	2	24	1000	884 x 45 x 45	MCO B 2073 D E L O O
10	10-30	2.5	30	1250	1085 x 45 x 45	MCO B 2173 D E L O O
12	10-30	3	36	1500	1284 x 45 x 45	MCO B 3073 D E L O O
14	10-30	3.5	42	1750	1485 x 45 x 45	MCO B 3173 D E L O O
Mid power LED (17.5W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 014535
3.5	10-30	0.5	6	400	285 x 45 x 45	MCO B 0174 D E L O O
7	10-30	1	12	800	484 x 45 x 45	MCO B 1074 D E L O O
10.5	10-30	1.5	18	1200	685 x 45 x 45	MCO B 1174 D E L O O
14	10-30	2	24	1600	884 x 45 x 45	MCO B 2074 D E L O O
17.5	10-30	2.5	30	2000	1085 x 45 x 45	MCO B 2174 D E L O O
21	10-30	3	36	2400	1284 x 45 x 45	MCO B 3074 D E L O O
24.5	10-30	3.5	42	2800	1485 x 45 x 45	MCO B 3174 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	02 = Switch		
	2 positions		

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 25W/m, white dimmable LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
High power LED (25W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 012573
4	10-30	1	3	450/550/450	244 x 45 x 45	MCO B 110 D E L O O
8	10-30	1	6	900/1100/900	386 x 45 x 45	MCO B 111 D E L O O
16	10-30	2	12	1800/2200/1800	686 x 45 x 45	MCO B 211 D E L O O
24	10-30	3	18	2700/3300/2700	986 x 45 x 45	MCO B 311 D E L O O
32	10-30	4	24	3600/4400/3600	1286 x 45 x 45	MCO B 411 D E L O O
40	10-30	5	30	4500/5500/4500	1586 x 45 x 45	MCO B 511 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	02 = Switch		
	2 positions		

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 25W/m, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (25W/m)						E4 10R-05 012577
7.5	10-30	1	21 + 6	1000	336 x 45 x 45	MCO B 116 D E L O O
15	10-30	2	42 + 12	2000	606 x 45 x 45	MCO B 216 D E L O O
22.5	10-30	3	63 + 18	3000	876 x 45 x 45	MCO B 316 D E L O O
30	10-30	4	84 + 24	4000	1146 x 45 x 45	MCO B 416 D E L O O
37.5	10-30	5	105 + 30	5000	1416 x 45 x 45	MCO B 516 D E L O O


Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹	42 = LED NL blue + switch, 2 positions on white LEDs ¹	
	50 = LED NL red ¹	52 = LED NL red + switch, 2 positions on white LEDs ¹	
	60 = LED NL green ¹	62 = LED NL green + switch, 2 positions on white LEDs ¹	
	80 = LED NL white ¹	82 = LED NL white + switch, 2 positions on white LEDs ¹	

¹ NL = night light

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 25W/m, white dimmable LEDs + coloured LEDs


Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (25W/m, stepless dim 15 - 100% or 2 steps 30 / 100%)						E4 10R-05 012577
7.5	10-30	1	21 + 6	1000	336 x 45 x 45	MCO B 109 D E L O O
15	10-30	2	42 + 12	2000	606 x 45 x 45	MCO B 209 D E L O O
22.5	10-30	3	63 + 18	3000	876 x 45 x 45	MCO B 309 D E L O O
30	10-30	4	84 + 24	4000	1146 x 45 x 45	MCO B 409 D E L O O
37.5	10-30	5	105 + 30	5000	1416 x 45 x 45	MCO B 509 D E L O O

Article number (B D E L O O choices)

B = Base	1 = White	4 = Silver	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹		
	50 = LED NL red ¹		
	60 = LED NL green ¹		
	80 = LED NL white ¹		

¹ NL = night light

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Example

Article number MCO 1 3029 H W 1 00 results in the following article:

Surface mounted fitting 'Mini Corner'

- * 1284x45x45mm
- * base white powder coated
- * 3x12 mid power LED module
36x natural white
15W/12VDC (mono-volt)
light output 1650 lm
- * clear diffuser/white end caps
- * mounting via screws (not included)
- * cable connection inside fitting

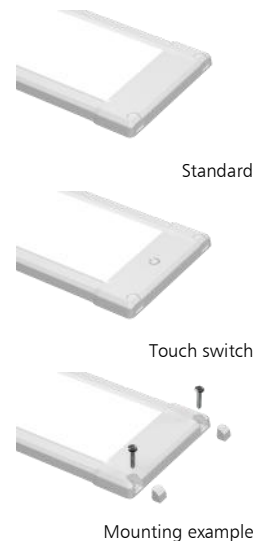
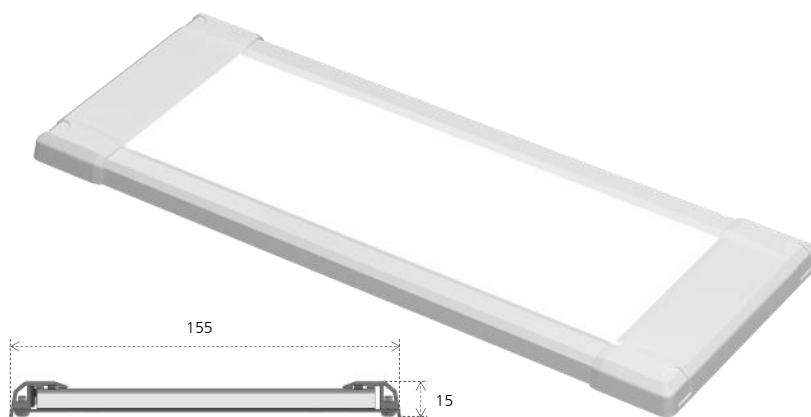
Mounting examples



Version with switch



Version without switch
(suitable for mounting in
corner of wall/ceiling)



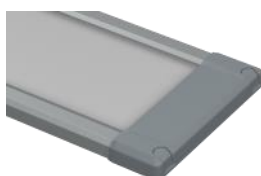
Properties

Fitting type	Surface mounted
Base	Aluminium, white powder coated or silver anodised
Diffuser	PMMA, opaque
End caps	ABS, white, grey or black
Voltage range	10 - 30 VDC multi-volt
Watertight	No
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system	No
Switch	Option, integrated touch switch (dimnable versions only)
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	Option * LED (blue, red or green), via additional wire
Dimmable	Option, 2 positions dimmable (30 / 100%) or stepless dimmable (15 - 100%) via integrated touch switch or external push button

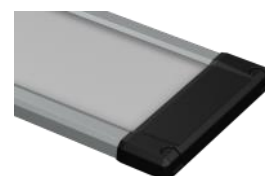
From page 7.02 you will find more technical information.



White powder coated, opaque diffuser, white end caps



Silver anodised, opaque diffuser, grey end caps



Silver anodised, opaque diffuser, black end caps

Multi-voltage, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED						E4 10R-05 014322
9.5	10-30	1	27	1250	403 x 155 x 15	NV B 1071 D E L O O
19	10-30	2	54	2500	700 x 155 x 15	NV B 2071 D E L O O

Article number (B D E L O O choices)

B = Base 1 = White 4 = Silver

D = Diffuser O = Opaque

E = End caps W = White G = Grey Z = Black

L = Light colour 1 = Natural white 2 = Cool white 3 = Warm white

OO = Option 00 = No option

Multi-voltage, white dimmable LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (stepless dim 15 - 100% or 2 steps 30 / 100%)						E4 10R-05 014322
9.5	10-30	1	27	1250	403 x 155 x 15	NV B 1072 D E L O O
19	10-30	2	54	2500	700 x 155 x 15	NV B 2072 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base 1 = White 4 = Silver

D = Diffuser O = Opaque

E = End caps W = White G = Grey Z = Black

L = Light colour 1 = Natural white 2 = Cool white 3 = Warm white

OO = Option 00 = No option 01 = Touch switch

Multi-voltage, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED						E4 10R-05 014322
9.5	10-30	1	27 + 8	1250	403 x 155 x 15	NV B 1071 D E L O O
19	10-30	2	54 + 17	2500	700 x 155 x 15	NV B 2071 D E L O O

Article number (B D E L O O choices)

B = Base 1 = White 4 = Silver

D = Diffuser O = Opaque

E = End caps W = White G = Grey Z = Black

L = Light colour 1 = Natural white 2 = Cool white 3 = Warm white

OO = Option 40 = LED NL blue ¹

50 = LED NL red ¹

60 = LED NL green ¹

¹ NL = Night light

Multi-voltage, white dimmable LEDs + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (stepless dim 15 - 100% or 2 steps 30 / 100%)						E4 10R-05 014322
9.5	10-30	1	27 + 8	1250	403 x 155 x 15	NV B 1072 D E L O O
19	10-30	2	54 + 17	2500	700 x 155 x 15	NV B 2072 D E L O O

Article number (B D E L O O choices)

B = Base 1 = White 4 = Silver

D = Diffuser O = Opaque

E = End caps W = White G = Grey Z = Black

L = Light colour 1 = Natural white 2 = Cool white 3 = Warm white

OO = Option 40 = LED NL blue ¹ 41 = LED NL blue + touch switch ¹

50 = LED NL red ¹ 51 = LED NL red + touch switch ¹

60 = LED NL green ¹ 61 = LED NL green + touch switch ¹

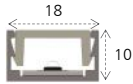
¹ NL = Night light

Example

Article number NV 4 1072 O Z 1 51 results in the following article:

Surface mounted fitting 'Nova' LED panel

- * 400x155x15 mm
- * base silver anodised
- * 1x35 mid power LED module
 - 27x natural white + 8x red
 - 9.5W/10-30VDC (multi-volt)
 - light output 1250 lm
- * opaque diffuser/black end caps
- * caps to cover mounting screws
 - mounting screws not included
- * wires out-coming $\pm 30\text{cm}/2 \times 0.75\text{mm}^2$
- * dimmable (15-100%)
- * touch switch



Standard



Touch switch

Properties

Fitting type	Surface mounted
Base	Aluminium, silver anodised
Diffuser	Polycarbonate, clear or opaque
End caps	Polycarbonate, white, grey or black, mounted with stainless steel screws
Voltage range	* 12 VDC (10 - 14) or 24 VDC (22 - 28) mono-volt * 10 - 30 VDC multi-volt
Watertight	No (see page 4.24 Track WT series, 4.26 Track WT Resin series and page 4.32 Track WT Connect series)
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system possible	Yes, custom-made fittings are possible (> approx. 1.7 meter)
Switch	Option, touch switch, 2 positions (on/off) with 10 minutes timer function (this option will increase the fitting length by 55 mm)
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	No
Dimmable	Option, variable dim (0 - 100%) via external PWM dimmer up to a maximum of 1000 Hz, on specified versions

[From page 7.02 you will find more technical information.](#)



Silver anodised, opaque diffuser, white end caps



Silver anodised, opaque diffuser, grey end caps



Silver anodised, opaque diffuser, black end caps

Mono-voltage 6.25, 12.5 and 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (6.25W/m)						E4 10R-05 014100
1.25	12	0.5	3	135	294 x 18 x 10	TR B 0127 D E L O O
2.5	12	1	6	275	493 x 18 x 10	TR B 1027 D E L O O
3.75	12	1.5	9	410	694 x 18 x 10	TR B 1127 D E L O O
5	12	2	12	550	893 x 18 x 10	TR B 2027 D E L O O
6.25	12	2.5	15	685	1094 x 18 x 10	TR B 2127 D E L O O
7.5	12	3	18	825	1293 x 18 x 10	TR B 3027 D E L O O
8.75	12	3.5	21	960	1494 x 18 x 10	TR B 3127 D E L O O
10	12	4	24	1100	1693 x 18 x 10	TR B 4027 D E L O O
Mid power LED (12.5W/m)						E4 10R-05 014100
2.5	12	0.5	6	275	294 x 18 x 10	TR B 0129 D E L O O
5	12	1	12	550	493 x 18 x 10	TR B 1029 D E L O O
7.5	12	1.5	18	825	694 x 18 x 10	TR B 1129 D E L O O
10	12	2	24	1100	893 x 18 x 10	TR B 2029 D E L O O
12.5	12	2.5	30	1375	1094 x 18 x 10	TR B 2129 D E L O O
15	12	3	36	1650	1293 x 18 x 10	TR B 3029 D E L O O
17.5	12	3.5	42	1925	1494 x 18 x 10	TR B 3129 D E L O O
20	12	4	48	2200	1693 x 18 x 10	TR B 4029 D E L O O
Mid power LED (20W/m)						E4 10R-05 014100
4	12	0.5	6	400/385/400	294 x 18 x 10	TR B 0131 D E L O O
8	12	1	12	800/770/800	493 x 18 x 10	TR B 1031 D E L O O
12	12	1.5	18	1200/1155/1200	694 x 18 x 10	TR B 1131 D E L O O
16	12	2	24	1600/1540/1600	893 x 18 x 10	TR B 2031 D E L O O
20	12	2.5	30	2000/1925/2000	1094 x 18 x 10	TR B 2131 D E L O O
24	12	3	36	2400/2310/2400	1293 x 18 x 10	TR B 3031 D E L O O
28	12	3.5	42	2800/2695/2800	1494 x 18 x 10	TR B 3131 D E L O O
32	12	4	48	3200/3080/3200	1693 x 18 x 10	TR B 4031 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	4 = Silver		
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
O = Option	0 = No option	1 = Touch switch	
O = Mounting	S = Screws	T = VHB tape	M = Mounting brackets ¹

¹ See page 2.69 for more information on mounting brackets.

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 6.25, 12.5 and 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (6.25W/m)						E4 10R-05 014100
2.5	24	0.5	3	135	294 x 18 x 10	TR B 0128 D E L O O
2.5	24	1	6	275	493 x 18 x 10	TR B 1028 D E L O O
5	24	1.5	9	410	694 x 18 x 10	TR B 1128 D E L O O
5	24	2	12	550	893 x 18 x 10	TR B 2028 D E L O O
7.5	24	2.5	15	685	1094 x 18 x 10	TR B 2128 D E L O O
7.5	24	3	18	825	1293 x 18 x 10	TR B 3028 D E L O O
10	24	3.5	21	960	1494 x 18 x 10	TR B 3128 D E L O O
10	24	4	24	1100	1693 x 18 x 10	TR B 4028 D E L O O
Mid power LED (12.5W/m)						E4 10R-05 014100
2.5	24	0.5	6	275	294 x 18 x 10	TR B 0130 D E L O O
5	24	1	12	550	493 x 18 x 10	TR B 1030 D E L O O
7.5	24	1.5	18	825	694 x 18 x 10	TR B 1130 D E L O O
10	24	2	24	1100	893 x 18 x 10	TR B 2030 D E L O O
12.5	24	2.5	30	1375	1094 x 18 x 10	TR B 2130 D E L O O
15	24	3	36	1650	1293 x 18 x 10	TR B 3030 D E L O O
17.5	24	3.5	42	1925	1494 x 18 x 10	TR B 3130 D E L O O
20	24	4	48	2200	1693 x 18 x 10	TR B 4030 D E L O O
Mid power LED (20W/m)						E4 10R-05 014100
4	24	0.5	6	400	294 x 18 x 10	TR B 0132 D E L O O
8	24	1	12	800	493 x 18 x 10	TR B 1032 D E L O O
12	24	1.5	18	1200	694 x 18 x 10	TR B 1132 D E L O O
16	24	2	24	1600	893 x 18 x 10	TR B 2032 D E L O O
20	24	2.5	30	2000	1094 x 18 x 10	TR B 2132 D E L O O
24	24	3	36	2400	1293 x 18 x 10	TR B 3032 D E L O O
28	24	3.5	42	2800	1494 x 18 x 10	TR B 3132 D E L O O
32	24	4	48	3200	1693 x 18 x 10	TR B 4032 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	4 = Silver		
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
O = Option	0 = No option	1 = Touch switch	
O = Mounting	S = Screws	T = VHB tape	M = Mounting brackets ¹

¹ See page 2.69 for more information on mounting brackets.

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 10 and 17.5W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (10W/m)						E4 10R-05 014535
2	10-30	0.5	6	250	294 x 18 x 10	TR B 0175 D E L O O
4	10-30	1	12	500	493 x 18 x 10	TR B 1075 D E L O O
6	10-30	1.5	18	750	694 x 18 x 10	TR B 1175 D E L O O
8	10-30	2	24	1000	893 x 18 x 10	TR B 2075 D E L O O
10	10-30	2.5	30	1250	1094 x 18 x 10	TR B 2175 D E L O O
12	10-30	3	36	1500	1293 x 18 x 10	TR B 3075 D E L O O
14	10-30	3.5	42	1750	1494 x 18 x 10	TR B 3175 D E L O O
16	10-30	4	48	2000	1693 x 18 x 10	TR B 4075 D E L O O
Mid power LED (17.5W/m)						E4 10R-05 014535
3.5	10-30	0.5	6	400	294 x 18 x 10	TR B 0176 D E L O O
7	10-30	1	12	800	493 x 18 x 10	TR B 1076 D E L O O
10.5	10-30	1.5	18	1200	694 x 18 x 10	TR B 1176 D E L O O
14	10-30	2	24	1600	893 x 18 x 10	TR B 2076 D E L O O
17.5	10-30	2.5	30	2000	1094 x 18 x 10	TR B 2176 D E L O O
21	10-30	3	36	2400	1293 x 18 x 10	TR B 3076 D E L O O
24.5	10-30	3.5	42	2800	1494 x 18 x 10	TR B 3176 D E L O O
28	10-30	4	48	3200	1693 x 18 x 10	TR B 4076 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)



B = Base	4 = Silver		
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
O = Option	0 = No option	1 = Touch switch	
O = Mounting	S = Screws	T = VHB tape	M = Mounting brackets ¹

¹ See page 2.69 for more information on mounting brackets.

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 20, 25 and 35W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (20W/m)						E4 10R-05 012575
4.5	10-30	1	12	500	275 x 18 x 10	TR B 107 D E L O O
9	10-30	2	24	1000	495 x 18 x 10	TR B 207 D E L O O
13.5	10-30	3	36	1500	715 x 18 x 10	TR B 307 D E L O O
18	10-30	4	48	2000	935 x 18 x 10	TR B 407 D E L O O
22.5	10-30	5	60	2500	1155 x 18 x 10	TR B 507 D E L O O
27	10-30	6	72	3000	1375 x 18 x 10	TR B 607 D E L O O
31.5	10-30	7	84	3500	1595 x 18 x 10	TR B 707 D E L O O
High power LED (25W/m) 						E4 10R-05 012573
4	10-30	1	3	450/550/450	225 x 18 x 10	TR B 101 D E L O O
8	10-30	1	6	900/1100/900	375 x 18 x 10	TR B 103 D E L O O
16	10-30	2	12	1800/2200/1800	695 x 18 x 10	TR B 203 D E L O O
24	10-30	3	18	2700/3300/2700	1015 x 18 x 10	TR B 303 D E L O O
32	10-30	4	24	3600/4400/3600	1335 x 18 x 10	TR B 403 D E L O O
40	10-30	5	30	4500/5500/4500	1655 x 18 x 10	TR B 503 D E L O O
High power LED (35W/m) 						E4 10R-05 012573
5.5	10-30	1	3	600/700/600	225 x 18 x 10	TR B 125 D E L O O
11	10-30	1	6	1200/1400/1200	375 x 18 x 10	TR B 123 D E L O O
22	10-30	2	12	2400/2800/2400	695 x 18 x 10	TR B 223 D E L O O
33	10-30	3	18	3600/4200/3600	1015 x 18 x 10	TR B 323 D E L O O
44	10-30	4	24	4800/5600/4800	1335 x 18 x 10	TR B 423 D E L O O
55	10-30	5	30	6000/7000/6000	1655 x 18 x 10	TR B 523 D E L O O

The above fittings contain 20 mm free spaces between the LED modules where mounting holes can be drilled.

 Mounting on a metal base is necessary because of the heat sink of the LEDs.

Article number (B D E L O O choices)

B = Base	4 = Silver		
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
O = Option	0 = No option	1 = Touch switch	
O = Mounting	S = Screws	T = VHB tape	M = Mounting brackets ¹

¹ See page 2.69 for more information on mounting brackets (not for use in combination with high power LED).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Example

Article number TR 4 407 H G 1 1 S results in the following article:

Surface mounted fitting 'Track'

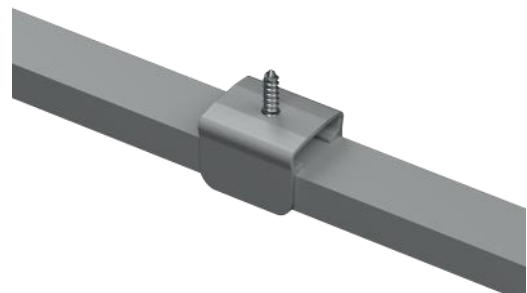
- * 935x18x10mm
- * base silver anodised
- * 4x12 mid power LED module
48x natural white
18W/10-30VDC (multi-volt)
light output 2000 lm
- * clear diffuser/grey end caps
- * mounting via screws (not included)
- * wires out-coming $\pm 30\text{cm}/2 \times 0.75\text{mm}^2$
- * touch switch + timer

Mounting brackets

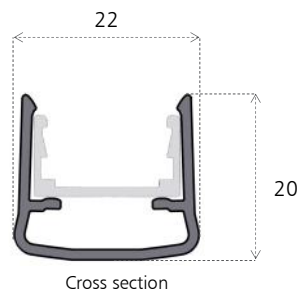
The Track series light fittings can be mounted on any surface without the need to drill holes into the fitting. Dutch Electro offers optional mounting brackets for this purpose, to which the Track fitting can easily be secured. The default configuration is one bracket per 60 cm, with a minimum of 2 brackets per fitting. It is of course also possible to order separate brackets.




Article number: **TR.MOUNTBRACK**

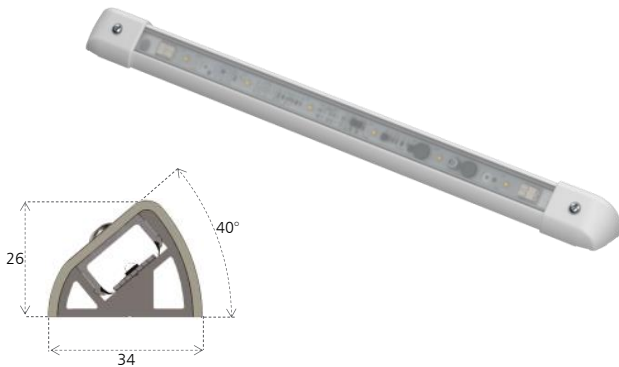


Mounting example



Cross section

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.



Properties

Fitting type	Surface mounted
Base	Aluminium, silver or black anodised, white powder coated
Diffuser	Polycarbonate, clear or opaque
End caps	Polycarbonate, white, grey or black, mounted with stainless steel screws
Voltage range	* 12 VDC (10 - 14) or 24 VDC (22 - 28) mono-volt * 10 - 30 VDC multi-volt
Watertight	IP54 classification (on request only) (Not suited for mounting on the outside of vehicles or in applications involving high humidity and/or quantities of water. For the IP66 series Track 40 WT and Track 60 WT, please view page 4.38 and 4.40).
Light source	DEMCO LED modules
Light colour	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system	Yes, custom-made fittings are possible (> approx. 1.7 meter)
Switch	* touch switch, 2 positions (on/off) with 10 minutes timer function (this option will increase the fitting length by 55 mm) * 2 positions (on/off), only in combination with straight end caps
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	No
Dimmable	Option * 2 positions (30 / 100%), via additional wire * Variable dim (0 - 100%) via external PWM dimmer up to a maximum of 1000 Hz, on specified versions

From page 7.02 you will find more technical information.



White powder coated, opaque diffuser, white end caps



Silver anodised, opaque diffuser, grey end caps



Black anodised, opaque diffuser, black end caps

Mono-voltage 12.5 and 20W/m, white LEDs


Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
Mid power LED (12.5W/m)						E4 10R-05 014100
2.5	12	0.5	6	275	319 x 34 x 26	TR40 B 0129 D E L O
5	12	1	12	550	518 x 34 x 26	TR40 B 1029 D E L O
7.5	12	1.5	18	825	719 x 34 x 26	TR40 B 1129 D E L O
10	12	2	24	1100	936 x 34 x 26	TR40 B 2029 D E L O
12.5	12	2.5	30	1375	1137 x 34 x 26	TR40 B 2129 D E L O
15	12	3	36	1650	1354 x 34 x 26	TR40 B 3029 D E L O
17.5	12	3.5	42	1925	1555 x 34 x 26	TR40 B 3129 D E L O
Mid power LED (20W/m)						E4 10R-05 014100
4	12	0.5	6	400/385/400	319 x 34 x 26	TR40 B 0131 D E L O
8	12	1	12	770/800/770	518 x 34 x 26	TR40 B 1031 D E L O
12	12	1.5	18	1200/1155/1200	719 x 34 x 26	TR40 B 1131 D E L O
16	12	2	24	1540/1600/1540	936 x 34 x 26	TR40 B 2031 D E L O
20	12	2.5	30	2000/1925/2000	1137 x 34 x 26	TR40 B 2131 D E L O
24	12	3	36	2400/2310/2400	1354 x 34 x 26	TR40 B 3031 D E L O
28	12	3.5	42	2800/2695/2800	1555 x 34 x 26	TR40 B 3131 D E L O

The above fittings contain 20 mm free spaces between the LED modules where mounting holes can be drilled.
Please view the next page for more available versions.

Article number (B D E L O choices)

B = Base	1 = White	4 = Silver	5 = Black
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
O = Option	0 = No option	1 = Touch switch	2 = Switch 2 positions

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 12.5 and 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
Mid power LED (12.5W/m)						E4 10R-05 014100
2.5	24	0.5	6	275	319 x 34 x 26	TR40 B 0130 D E L O
5	24	1	12	550	518 x 34 x 26	TR40 B 1030 D E L O
7.5	24	1.5	18	825	719 x 34 x 26	TR40 B 1130 D E L O
10	24	2	24	1100	936 x 34 x 26	TR40 B 2030 D E L O
12.5	24	2.5	30	1375	1137 x 34 x 26	TR40 B 2130 D E L O
15	24	3	36	1650	1354 x 34 x 26	TR40 B 3030 D E L O
17.5	24	3.5	42	1925	1555 x 34 x 26	TR40 B 3130 D E L O
Mid power LED (20W/m)						E4 10R-05 014100
4	24	0.5	6	400	319 x 34 x 26	TR40 B 0132 D E L O
8	24	1	12	800	518 x 34 x 26	TR40 B 1032 D E L O
12	24	1.5	18	1200	719 x 34 x 26	TR40 B 1132 D E L O
16	24	2	24	1600	936 x 34 x 26	TR40 B 2032 D E L O
20	24	2.5	30	2000	1137 x 34 x 26	TR40 B 2132 D E L O
24	24	3	36	2400	1354 x 34 x 26	TR40 B 3032 D E L O
28	24	3.5	42	2800	1555 x 34 x 26	TR40 B 3132 D E L O

The above fittings contain 20 mm free spaces between the LED modules where mounting holes can be drilled.
Please view the next page for more available versions.

Article number (B D E L O choices)

B = Base	1 = White	4 = Silver	5 = Black
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
O = Option	0 = No option	1 = Touch switch	2 = Switch 2 positions

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 10 and 17.5W/m, white LEDs


Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
Mid power LED (10W/m)						E4 10R-05 014535
2	10-30	0.5	6	250	319 x 34 x 26	TR40 B 0175 D E L O
4	10-30	1	12	500	518 x 34 x 26	TR40 B 1075 D E L O
6	10-30	1.5	18	750	719 x 34 x 26	TR40 B 1175 D E L O
8	10-30	2	24	1000	936 x 34 x 26	TR40 B 2075 D E L O
10	10-30	2.5	30	1250	1137 x 34 x 26	TR40 B 2175 D E L O
12	10-30	3	36	1500	1354 x 34 x 26	TR40 B 3075 D E L O
14	10-30	3.5	42	1750	1555 x 34 x 26	TR40 B 3175 D E L O
Mid power LED (17.5W/m)						E4 10R-05 014535
3.5	10-30	0.5	6	400	319 x 34 x 26	TR40 B 0176 D E L O
7	10-30	1	12	800	518 x 34 x 26	TR40 B 1076 D E L O
10.5	10-30	1.5	18	1200	719 x 34 x 26	TR40 B 1176 D E L O
14	10-30	2	24	1600	936 x 34 x 26	TR40 B 2076 D E L O
17.5	10-30	2.5	30	2000	1137 x 34 x 26	TR40 B 2176 D E L O
21	10-30	3	36	2400	1354 x 34 x 26	TR40 B 3076 D E L O
24.5	10-30	3.5	42	2800	1555 x 34 x 26	TR40 B 3176 D E L O

The above fittings contain 20 mm free spaces between the LED modules where mounting holes can be drilled. Please view the next page for more available versions.

Article number (B D E L O choices)

B = Base	1 = White	4 = Silver	5 = Black
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
O = Option	0 = No option	1 = Touch switch	2 = Switch 2 positions

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
Mid power LED (20W/m)						E4 10R-05 012575
4.5	10-30	1	12	500	310 x 34 x 26	TR40 B 107 D E L O
9	10-30	2	24	1000	530 x 34 x 26	TR40 B 207 D E L O
13.5	10-30	3	36	1500	750 x 34 x 26	TR40 B 307 D E L O
18	10-30	4	48	2000	970 x 34 x 26	TR40 B 407 D E L O
22.5	10-30	5	60	2500	1190 x 34 x 26	TR40 B 507 D E L O
27	10-30	6	72	3000	1410 x 34 x 26	TR40 B 607 D E L O
31.5	10-30	7	84	3500	1630 x 34 x 26	TR40 B 707 D E L O


Between every two LED modules there is a 20 mm free space where a mounting hole can be drilled.
Please view the next page for more available versions.

Article number (B D E L O choices)

B = Base	1 = White	4 = Silver	5 = Black
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
O = Option	0 = No option	1 = Touch switch	2 = Switch 2 positions

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 25 and 35W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
High power LED (25W/m)						E4 10R-05 012573
4	10-30	1	3	450/550/450	259 x 34 x 26	TR40 B 101 D E L O
8	10-30	1	6	900/1100/900	409 x 34 x 26	TR40 B 103 D E L O
16	10-30	2	12	1800/2200/1800	728 x 34 x 26	TR40 B 203 D E L O
24	10-30	3	18	2700/3300/2700	1047 x 34 x 26	TR40 B 303 D E L O
32	10-30	4	24	3600/4400/3600	1366 x 34 x 26	TR40 B 403 D E L O
40	10-30	5	30	4500/5500/4500	1685 x 34 x 26	TR40 B 503 D E L O
High power LED (35W/m) 						E4 10R-05 012573
5.5	10-30	1	3	600/700/600	259 x 34 x 26	TR40 B 125 D E L O
11	10-30	1	6	1200/1400/1200	409 x 34 x 26	TR40 B 123 D E L O
22	10-30	2	12	2400/2800/2400	728 x 34 x 26	TR40 B 223 D E L O
33	10-30	3	18	3600/4200/3600	1047 x 34 x 26	TR40 B 323 D E L O
44	10-30	4	24	4800/5600/4800	1366 x 34 x 26	TR40 B 423 D E L O
55	10-30	5	30	6000/7000/6000	1685 x 34 x 26	TR40 B 523 D E L O


Between every two LED modules there is a 20 mm free space where a mounting hole can be drilled.

 Mounting on a metal base is necessary because of the heat sink of the LEDs.

Please view the next page for more available versions.

Article number (B D E L O choices)

B = Base	1 = White	4 = Silver	5 = Black
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
O = Option	0 = No option	1 = Touch switch	2 = Switch 2 positions

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 10 and 17.5W/m, white dimmable LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
Mid power LED (10W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 014535
2	10-30	0.5	6	250	319 x 34 x 26	TR40 B 0173 D E L O
4	10-30	1	12	500	518 x 34 x 26	TR40 B 1073 D E L O
6	10-30	1.5	18	750	719 x 34 x 26	TR40 B 1173 D E L O
8	10-30	2	24	1000	936 x 34 x 26	TR40 B 2073 D E L O
10	10-30	2.5	30	1250	1137 x 34 x 26	TR40 B 2173 D E L O
12	10-30	3	36	1500	1354 x 34 x 26	TR40 B 3073 D E L O
14	10-30	3.5	42	1750	1555 x 34 x 26	TR40 B 3173 D E L O
Mid power LED (17.5W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 014535
3.5	10-30	0.5	6	400	319 x 34 x 26	TR40 B 0174 D E L O
7	10-30	1	12	800	518 x 34 x 26	TR40 B 1074 D E L O
10.5	10-30	1.5	18	1200	719 x 34 x 26	TR40 B 1174 D E L O
14	10-30	2	24	1600	936 x 34 x 26	TR40 B 2074 D E L O
17.5	10-30	2.5	30	2000	1137 x 34 x 26	TR40 B 2174 D E L O
21	10-30	3	36	2400	1354 x 34 x 26	TR40 B 3074 D E L O
24.5	10-30	3.5	42	2800	1555 x 34 x 26	TR40 B 3174 D E L O

The above fittings contain 20 mm free spaces between the LED modules where mounting holes can be drilled.
Please view the next page for more available versions.

Article number (B D E L O choices)

B = Base	1 = White	4 = Silver	5 = Black
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
O = Option	0 = No option	2 = Switch 2 positions	

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 20W/m, white dimmable LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
Mid power LED (20W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 012575
4.5	10-30	1	12	500	310 x 34 x 26	TR40 B 115 D E L O
9	10-30	2	24	1000	530 x 34 x 26	TR40 B 215 D E L O
13.5	10-30	3	36	1500	750 x 34 x 26	TR40 B 315 D E L O
18	10-30	4	48	2000	970 x 34 x 26	TR40 B 415 D E L O
22.5	10-30	5	60	2500	1190 x 34 x 26	TR40 B 515 D E L O
27	10-30	6	72	3000	1410 x 34 x 26	TR40 B 615 D E L O
31.5	10-30	7	84	3500	1630 x 34 x 26	TR40 B 715 D E L O

The above fittings contain 20 mm free spaces between the LED modules where mounting holes can be drilled.
Please view the next page for more available versions.

Article number (B D E L O choices)

B = Base	1 = White	4 = Silver	5 = Black
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
O = Option	0 = No option	2 = Switch 2 positions	

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 25W/m, white dimmable LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
High power LED (25W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 012573
4	10-30	1	3	450/550/450	259 x 34 x 26	TR40 B 110 D E L O
8	10-30	1	6	900/1100/900	409 x 34 x 26	TR40 B 111 D E L O
16	10-30	2	12	1800/2200/1800	728 x 34 x 26	TR40 B 211 D E L O
24	10-30	3	18	2700/3300/2700	1047 x 34 x 26	TR40 B 311 D E L O
32	10-30	4	24	3600/4400/3600	1366 x 34 x 26	TR40 B 411 D E L O
40	10-30	5	30	4500/5500/4500	1685 x 34 x 26	TR40 B 511 D E L O

The above fittings contain 20 mm free spaces between the LED modules where mounting holes can be drilled.

Article number (B D E L O choices)

B = Base	1 = White	4 = Silver	5 = Black
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
O = Option	0 = No option	2 = Switch 2 positions	

Please contact us for the possibilities with special switch options.

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Example

Article number TR40 5 203 H Z 1 0 results in the following article:

Surface mounted fitting 'Track 40'

- * 728x34x26mm
- * base black anodised
- * 2x6 power LED
 - 12x natural white
 - 16W/10-30VDC (multi-volt)
 - light output 1800 lm
- * clear diffuser/black end caps
- * mounting via screws (not included)
- * wires out-coming $\pm 30\text{cm}/2\times 0.75\text{mm}^2$

Mounting examples



Example of wall mount




Example of ceiling mount

Note:

- This fitting is standard fitted with a rounded end cap (picture A);
- The mounting of a switch (picture B) is only possible in combination with the rectangular end caps;
- A rectangular end cap (picture C) is available on request and can be applied in solutions where the fitting needs to fit exactly in a gap;
- The dimensions mentioned above are based on the fitting with rounded end caps. When choosing a fitting with rectangular end caps, please subtract 6mm from the total length.









 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

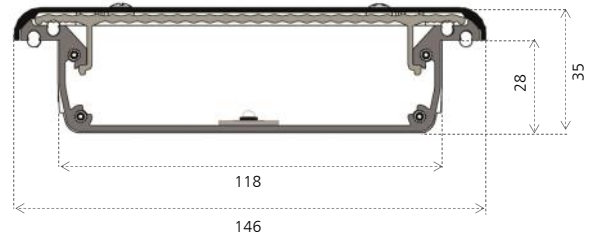
2

Surface mounted LED fittings

3

Watertight recessed LED fittings

	Canal 28 WT series	3.02
	Disc WT RE series	3.06
	Micro Canal WT series.....	3.12
	Micro Canal 60 WT series.....	3.14
	Stream WT series	3.18
	Stream WT angle series	3.22



3 Watertight recessed LED fittings

Properties

Fitting type	Recessed
Base	Aluminium, white powder coated
Diffuser	Polycarbonate, clear or opaque
End caps	Polycarbonate, white or black, mounted with stainless steel screws
Voltage range	* 10 - 30 VDC multi-volt
Watertight	Yes (IP65 classification, up to a maximum of 3 meters in length)
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system	Yes, custom-made fittings are possible (> approx. 1.7 meter)
Switch	No
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	Option, LED (blue, red, green or white), via additional wire
Dimmable	Option * 2 positions (30 / 100%), via additional wire * stepless dimmable only available with 27 LED module (15 - 100%)

From page 7.02 you will find more technical information.

Multi-voltage 25W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
High power LED (25W/m)						E4 10R-05 012573
4	10-30	1	3	450/550/450	221 x 119 x 28	CAWT28 B 101 D E L O
8	10-30	2	6	900/1100/900	221 x 119 x 28	CAWT28 B 201 D E L O
8	10-30	1	6	900/1100/900	320 x 119 x 28	CAWT28 B 103 D E L O
16	10-30	2	12	1800/2200/1800	320 x 119 x 28	CAWT28 B 203 D E L O

Article number (B D E L O choices)

B = Base	1 = White			
D = Diffuser	H = Clear	O = Opaque		
E = End caps	W = White	Z = Black		
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white	
O = Option	0 = No option			


Multi-voltage 25W/m, white dimmable LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
High power LED (25W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 012573
4	10-30	1	3	450/550/450	221 x 119 x 28	CAWT28 B 110 D E L O
8	10-30	2	6	900/1100/900	221 x 119 x 28	CAWT28 B 210 D E L O
8	10-30	1	6	900/1100/900	320 x 119 x 28	CAWT28 B 111 D E L O
16	10-30	2	12	1800/2200/1800	320 x 119 x 28	CAWT28 B 211 D E L O

Please view the next page for more available versions.

Article number (B D E L O choices)

B = Base	1 = White			
D = Diffuser	H = Clear	O = Opaque		
E = End caps	W = White	Z = Black		
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white	
O = Option	0 = No option			

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage 25W/m, white LEDs or white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
Mid power LED (25W/m)						
7.5	10-30	1	21 + 0	1000	320 x 119 x 28	E4 10R-05 012577 CAWT28 B 116 D E L O
Mid power LED (25W/m)						
7.5	10-30	1	21 + 6	1000	320 x 119 x 28	E4 10R-05 012577 CAWT28 B 116 D E L O

Article number (B D E L O choices)

B = Base	1 = White					
D = Diffuser	H = Clear		O = Opaque			
E = End caps	W = White		Z = Black			
L = Light colour	1 = Natural white		2 = Cool white		3 = Warm white	
O = Option	0 = No option		4 = LED NL blue ¹		5 = LED NL red ¹	
	6 = LED NL green ¹		8 = LED NL white ¹			

¹ NL = Night light

Multi-voltage 25W/m, white dimmable LEDs + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
Mid power LED (25W/m, stepless dim 15 - 100% or 2 steps 30 / 100%)						
7.5	10-30	1	21 + 6	1000	320 x 119 x 28	E4 10R-05 012577 CAWT28 B 109 D E L O

Article number (B D E L O choices)

B = Base	1 = White					
D = Diffuser	H = Clear		O = Opaque			
E = End caps	W = White		Z = Black			
L = Light colour	1 = Natural white		2 = Cool white		3 = Warm white	
O = Option	4 = LED NL blue ¹		5 = LED NL red ¹			
	6 = LED NL green ¹		8 = LED NL white ¹			

¹ NL = Night light

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Example

Article number CAWT28 1 103 H W 1 0 results in the following article:

Recessed fitting 'Canal 28 WT'

* 320x119x28mm (cut-out size)

* base white powder coated

* 1x6 high power LED module

6x natural white

8W/10-30VDC (multi-volt)

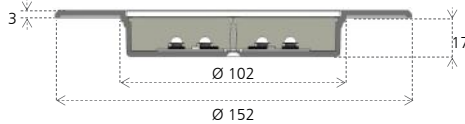
light output 900 lm

* clear diffuser/white end caps

* mounting via screws (not included)

* wires out-coming \pm 30cm/2x0.75mm²

* watertight IP65



Standard



Motion sensor

Properties

Fitting type	Recessed
Base	Aluminium, white, grey or black powder coated
Diffuser	Polycarbonate, clear or opaque
Voltage range	* 12 VDC (10 - 14) or 24 VDC (22 - 28) mono-volt * 10 - 30 VDC multi-volt
Watertight	Yes (IP66 classification + ADR certified)
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system	No
Switch	No
Motion sensor	Option, integrated in the fitting * 9 possible delay times, ranging from 15 sec to 30 min (default 1 min) * Configurable with an on board potentiometer on mono-volt versions.
Night light	Option, 6 LEDs (blue, red or green), via additional wire
Dimmable	Option * 2 positions (30 / 100%), via additional wire * Variable dim (0 - 100%) via external PWM dimmer up to a maximum of 1000 Hz, on specified versions

[Inquire about the possibilities for negative switched LED modules with night light and / or 2 dimming positions.](#)
From page 7.02 you will find more technical information.



White powder coated, opaque diffuser



Grey powder coated, opaque diffuser



Black powder coated, opaque diffuser

Mono-voltage, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (Ø x H in mm)	Article number (B M D L OO choices) E4 = type approval
Mid power LED						E4 10R-05 014099
3	12	1	6	300/350/300	Ø 102 x 17	DIWTRE B M 33 D L OO
6	12	1	12	600/700/600	Ø 102 x 17	DIWTRE B M 35 D L OO
9	12	1	18	900/1100/900	Ø 102 x 17	DIWTRE B M 37 D L OO
12	12	1	24	1200/1400/1200	Ø 102 x 17	DIWTRE B M 39 D L OO
Mid power LED						E4 10R-05 014099
3	24	1	6	300/350/300	Ø 102 x 17	DIWTRE B M 34 D L OO
6	24	1	12	600/700/600	Ø 102 x 17	DIWTRE B M 36 D L OO
9	24	1	18	900/1100/900	Ø 102 x 17	DIWTRE B M 38 D L OO
12	24	1	24	1200/1400/1200	Ø 102 x 17	DIWTRE B M 40 D L OO

Cable out-coming: 1x positive, 1x negative

The 12 Watt versions that are equipped with a motion sensor use 23 LEDs instead of 24. The light output remains unchanged. Please view the next page for more available versions.

Article number (B M D L OO choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed	1 = Negative to ground	
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	A7 = PIR 15 seconds ^{1 2}	E7 = PIR 10 minutes ^{1 2}	
	H7 = PIR 30 seconds ^{1 2}	F7 = PIR 15 minutes ^{1 2}	
	B7 = PIR 1 minute (STD) ^{1 2}	J7 = PIR 20 minutes ^{1 2}	
	C7 = PIR 2 minutes ^{1 2}	G7 = PIR 30 minutes ^{1 2}	
	D7 = PIR 5 minutes ^{1 2}		

¹ PIR = motion sensor (delay time adjustable to values listed above via onboard potentiometer)

² Mono-voltage versions of Disc fittings have 2 additional out-coming wires, to which one or more fittings without a sensor can be connected.

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06, not in combination with PIR).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Recessed size (Ø x H in mm)	Article number (B M D L OO choices) E4 = type approval
Mid power LED						E4 10R-05 014099
3	12	1	6 + 6	300/350/300	Ø 102 x 17	DIWTRE B M 33 D L OO
6	12	1	12 + 6	600/700/600	Ø 102 x 17	DIWTRE B M 35 D L OO
9	12	1	18 + 6	900/1100/900	Ø 102 x 17	DIWTRE B M 37 D L OO
12	12	1	24 + 6	1200/1400/1200	Ø 102 x 17	DIWTRE B M 39 D L OO
Mid power LED						E4 10R-05 014099
3	24	1	6 + 6	300/350/300	Ø 102 x 17	DIWTRE B M 34 D L OO
6	24	1	12 + 6	600/700/600	Ø 102 x 17	DIWTRE B M 36 D L OO
9	24	1	18 + 6	900/1100/900	Ø 102 x 17	DIWTRE B M 38 D L OO
12	24	1	24 + 6	1200/1400/1200	Ø 102 x 17	DIWTRE B M 40 D L OO

Cable out-coming: 2x positive (white and coloured light), 1x combined negative
Please view the next page for more available versions.

Article number (B M D L OO choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed	1 = Negative to ground	
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹		
	50 = LED NL red ¹		
	60 = LED NL green ¹		

¹ NL = Night light

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (Ø x H in mm)	Article number (B M D L OO choices) E4 = type approval
High power LED						E4 10R-05 012574
5	10-30	1	3	600/700/600	Ø 102 x 17	DIWTRE B M 04 D L OO
8	10-30	1	6	900/1100/900	Ø 102 x 17	DIWTRE B M 05 D L OO
11	10-30	1	6	1200/1400/1200	Ø 102 x 17	DIWTRE B M 24 D L OO

Cable out-coming: 1x positive, 1x negative

Article number (B M D L OO choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed	1 = Negative to ground	
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	A7 = PIR 15 seconds ¹	E7 = PIR 10 minutes ¹	
	H7 = PIR 30 seconds ¹	F7 = PIR 15 minutes ¹	
	B7 = PIR 1 minute (STD) ¹	J7 = PIR 20 minutes ¹	
	C7 = PIR 2 minutes ¹	G7 = PIR 30 minutes ¹	
	D7 = PIR 5 minutes ¹		

¹ PIR = motion sensor

Multi-voltage, white dimmable LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Recessed size (Ø x H in mm)	Article number (B M D L OO choices) E4 = type approval
High power LED (2 positions dimmable 30 / 100%)						E4 10R-05 012574
5	10-30	1	3	600/700/600	Ø 102 x 17	DIWTRE B M 12 D L OO
8	10-30	1	6	900/1100/900	Ø 102 x 17	DIWTRE B M 13 D L OO
11	10-30	1	6	1200/1400/1200	Ø 102 x 17	DIWTRE B M 26 D L OO

Cable out-coming: 2x positive (white light 100% and white light 30%), 1x combined negative
Please view the next page for more available versions.

Article number (B M D L OO choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed	1 = Negative to ground	
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		

Multi-voltage, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Recessed size (Ø x H in mm)	Article number (B M D L O O choices) E4 = type approval
High power LED						E4 10R-05 012574
5	10-30	1	3 + 6	600/700/600	Ø 102 x 17	DIWTRE B M 04 D L O O
8	10-30	1	6 + 6	900/1100/900	Ø 102 x 17	DIWTRE B M 05 D L O O
11	10-30	1	6 + 6	1200/1400/1200	Ø 102 x 17	DIWTRE B M 24 D L O O

Cable out-coming: 2x positive (white and coloured light), 1x combined negative

Article number (B M D L O O choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed	1 = Negative to ground	
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹		
	50 = LED NL red ¹		
	60 = LED NL green ¹		

¹ NL = Night light

Multi-voltage, white dimmable LEDs + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Recessed size (Ø x H in mm)	Article number (B M D L O O choices) E4 = type approval
High power LED (2 positions dimmable 30 / 100%)						E4 10R-05 012574
5	10-30	1	3 + 6	600/700/600	Ø 102 x 17	DIWTRE B M 12 D L O O
8	10-30	1	6 + 6	900/1100/900	Ø 102 x 17	DIWTRE B M 13 D L O O
11	10-30	1	6 + 6	1200/1400/1200	Ø 102 x 17	DIWTRE B M 26 D L O O

Cable out-coming: 3x positive (white light 100%, white light 30%, coloured light), 1x combined negative

Article number (B M D L O O choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed	1 = Negative to ground	
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹		
	50 = LED NL red ¹		
	60 = LED NL green ¹		

¹ NL = Night light


 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

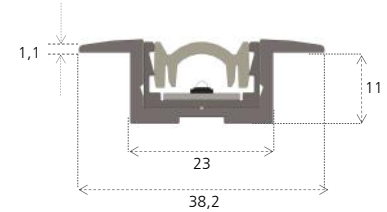
Example

Article number DIWTRE 2 105 H 1 00 results in the following article:

Recessed fitting 'Disc WT'

- * Ø152x17mm (cut-out size Ø102mm)
- * 1x6 high power LED module
 - negative to ground
 - 6x natural white
 - 8W/10-30VDC (multi-volt)
 - light output 900 lm
- * clear diffuser/grey casing
- * mounting via screws (not included)
- * cable out-coming $\pm 30\text{cm}/2\times 1\text{mm}^2$
- * watertight IP66, ADR

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.



Properties

Fitting type	Recessed
Base	Aluminium, silver anodised
Diffuser	Polycarbonate, clear or opaque
End caps	Polycarbonate, white, grey or black, mounted with stainless steel screws
Voltage range	* 10 - 30 VDC multi-volt
Watertight	Yes (IP66 classification)
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system	No
Switch	No
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	No
Dimmable	No

From page 7.02 you will find more technical information.

Multi-voltage 25W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L choices) E4 = type approval
High power LED (25W/m)						E4 10R-05 012573
4	10-30	1	3	450/550/450	235 x 23 x 11	MICWT B 101 D E L
8	10-30	1	6	900/1100/900	385 x 23 x 11	MICWT B 103 D E L
16	10-30	2	12	1800/2200/1800	684 x 23 x 11	MICWT B 203 D E L
24	10-30	3	18	2700/3300/2700	983 x 23 x 11	MICWT B 303 D E L
32	10-30	4	24	3600/4400/3600	1281 x 23 x 11	MICWT B 403 D E L
40	10-30	5	30	4500/5500/4500	1582 x 23 x 11	MICWT B 503 D E L


Article number (B D E L choices)

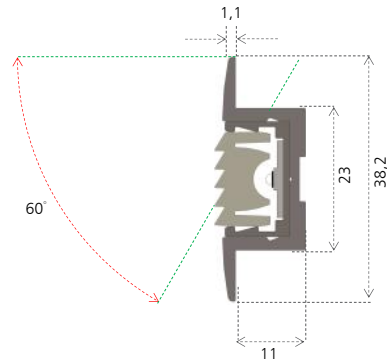
B = Base	4 = Silver		
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white

Example

Article number MICWT **4** 101 **H W 1** results in the following article:

- Recessed fitting 'Micro Canal WT'
- * 235x23x11mm (cut-out size)
- * base silver anodised
- * 1x3 power LED
- 4W/10-30VDC (multi-volt)
- * LED light colour 'natural white'
- * light output 450 lm
- * clear diffuser/white end caps
- * mounting via screws (not included)
- * cable out-coming ± 30cm/2x1mm²
- * watertight IP66

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.



3 Watertight recessed LED fittings

Properties

Fitting type	Recessed
Base	Aluminium, silver anodised
Diffuser	Polycarbonate, clear or opaque
End caps	Polycarbonate, white, grey or black, mounted with stainless steel screws
Voltage range	* 10 - 30 VDC multi-volt
Watertight	Yes (IP66 classification)
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system	No
Switch	No
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	No
Dimmable	No

[From page 7.02 you will find more technical information.](#)

Multi-voltage 25W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
High power LED (25W/m)						E4 10R-05 012573
4	10-30	1	3	450/550/450	235 x 23 x 11	MI60WT B 101 D E L O
8	10-30	1	6	900/1100/900	385 x 23 x 11	MI60WT B 103 D E L O
16	10-30	2	12	1800/2200/1800	684 x 23 x 11	MI60WT B 203 D E L O
24	10-30	3	18	2700/3300/2700	983 x 23 x 11	MI60WT B 303 D E L O
32	10-30	4	24	3600/4400/3600	1281 x 23 x 11	MI60WT B 403 D E L O
40	10-30	5	30	4500/5500/4500	1582 x 23 x 11	MI60WT B 503 D E L O

Article number (B D E L O choices)


B = Base	4 = Silver					
D = Diffuser	H = Clear	O = Opaque				
E = End caps	W = White	G = Grey	Z = Black			
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white			
O = Version	A = Cable out-coming left	B = Cable out-coming right	(mounting examples available on page 3.16)			

Example

Article number MI60WT 4 101 H W 1 A results in the following article:

Recessed fitting 'Micro Canal 60 WT'

- * 235x23x11mm (cut-out size)
- * base silver anodised
- * 1x3 power LED
4W/10-30VDC (multi-volt)
- * LED light colour 'natural white'
- * light output 450 lm
- * clear diffuser/white end caps
- * mounting via screws (not included)
- * cable out-coming left ± 30cm/2x1mm²
- * watertight IP66

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Horizontal
(version A, cable left)

Side view



Front view (cable out-coming on the left side)



Horizontal
(version B, cable right)

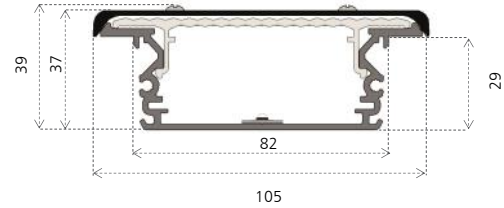
Side view



Front view (cable out-coming on the right side)



The specifications in the tables are stated for our regular LED light colour 'natural white' ($\pm 4000\text{K}$). The light output of the other 2 LED light colours 'cool white' ($\pm 6000\text{K}$) and 'warm white' ($\pm 3000\text{K}$) may vary slightly. These specifications are available by request.



Properties

Fitting type	Recessed
Base	Aluminium, white powder coated
Diffuser	Polycarbonate, clear or opaque
End caps	Polycarbonate, white, grey or black, mounted with stainless steel screws
Voltage range	* 10 - 30 VDC multi-volt
Watertight	Yes (IP65 classification, up to a maximum of 3 meters in length)
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system	Yes, custom-made fittings are possible (> approx. 1.7 meter)
Switch	No
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	Option, LED (blue, red, green or white), via additional wire
Dimmable	Option * 2 positions (30 / 100%), via additional wire * stepless dimmable only available with 27 LED module (15 - 100%)

[From page 7.02 you will find more technical information.](#)

Multi-voltage 25 and 35W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
High power LED (25W/m)						E4 10R-05 012573
4	10-30	1	3	450/550/450	221 x 82 x 29	STWT B 101 D E L O
8	10-30	2	6	900/1100/900	221 x 82 x 29	STWT B 201 D E L O
8	10-30	1	6	900/1100/900	320 x 82 x 29	STWT B 103 D E L O
16	10-30	2	12	1800/2200/1800	360 x 82 x 29	STWT B 203 D E L O
High power LED (35W/m)						E4 10R-05 012573
5.5	10-30	1	3	600/700/600	221 x 82 x 29	STWT B 125 D E L O
11	10-30	1	6	1200/1400/1200	320 x 82 x 29	STWT B 123 D E L O
22	10-30	2	12	2400/2800/2400	360 x 82 x 29	STWT B 223 D E L O

Article number (B D E L O choices)

B = Base	1 = White			
D = Diffuser	H = Clear	O = Opaque		
E = End caps	W = White	G = Grey	Z = Black	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white	
O = Option	0 = No option			

Multi-voltage 25W/m, white dimmable LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
High power LED (25W/m, 2 positions dimmable 30 / 100%)						E4 10R-05 012573
4	10-30	1	3	450/550/450	221 x 82 x 29	STWT B 110 D E L O
8	10-30	2	6	900/1100/900	221 x 82 x 29	STWT B 210 D E L O
8	10-30	1	6	900/1100/900	320 x 82 x 29	STWT B 111 D E L O
16	10-30	2	12	1800/2200/1800	360 x 82 x 29	STWT B 211 D E L O

Please view the next page for more available versions.

Article number (B D E L O choices)

B = Base	1 = White			
D = Diffuser	H = Clear	O = Opaque		
E = End caps	W = White	G = Grey	Z = Black	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white	
O = Option	0 = No option			

Multi-voltage 25W/m, white LEDs or white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
Mid power LED (25W/m)						
7.5	10-30	1	21 + 0	1000	320 x 82 x 29	STWT B 116 D E L O
Mid power LED (25W/m)						
7.5	10-30	1	21 + 6	1000	320 x 82 x 29	STWT B 116 D E L O

Article number (B D E L O choices)

B = Base	1 = White					
D = Diffuser	H = Clear	O = Opaque				
E = End caps	W = White	G = Grey	Z = Black			
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white			
O = Option	0 = No option					
	4 = LED NL blue ¹	5 = LED NL red ¹				
	6 = LED NL green ¹	8 = LED NL white ¹				

¹ NL = Night light

Multi-voltage 25W/m, white dimmable LEDs + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
Mid power LED (25W/m, stepless dim 15 - 100% or 2 steps 30 / 100%)						
7.5	10-30	1	21 + 6	1000	320 x 82 x 29	STWT B 109 D E L O

Article number (B D E L O choices)

B = Base	1 = White					
D = Diffuser	H = Clear	O = Opaque				
E = End caps	W = White	G = Grey	Z = Black			
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white			
O = Option	4 = LED NL blue ¹	5 = LED NL red ¹				
	6 = LED NL green ¹	8 = LED NL white ¹				

¹ NL = Night light

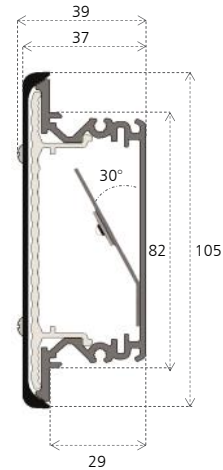
 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Example

Article number STWT 1 103 H W 1 0 results in the following article:

Recessed fitting 'Stream WT'

- * 320x82x29mm (cut-out size)
- * base white powder coated
- * 1x6 high power LED module
 - 6x natural white
 - 8W/10-30VDC (multi-volt)
 - light output 900 lm
- * clear diffuser/white end caps
- * mounting via screws (not included)
- * wires out-coming \pm 30cm/2x0.75mm²
- * watertight IP65



3 Watertight recessed LED fittings

Properties

Fitting type	Recessed
Base	Aluminium, white powder coated
Diffuser	Polycarbonate, clear or opaque
End caps	Polycarbonate, white, grey or black, mounted with stainless steel screws
Voltage range	* 10 - 30 VDC multi-volt
Watertight	Yes (IP65 classification, up to a maximum of 3 meters in length)
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system	Yes, custom-made fittings are possible (> approx. 1.7 meter)
Switch	No
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	No
Dimmable	No

[From page 7.02 you will find more technical information.](#)

Multi-voltage 25 and 35W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (L x W x H in mm)	Article number (view B D E L choices) E4 = type approval
High power LED (25W/m)						E4 10R-05 012573
4	10-30	1	3	450/550/450	221 x 82 x 29	STSWT B 101 D E L
8	10-30	2	6	900/1100/900	221 x 82 x 29	STSWT B 201 D E L
8	10-30	1	6	900/1100/900	320 x 82 x 29	STSWT B 103 D E L
16	10-30	2	12	1800/2200/1800	360 x 82 x 29	STSWT B 203 D E L
High power LED (35W/m)						E4 10R-05 012573
5.5	10-30	1	3	600/700/600	221 x 82 x 29	STSWT B 125 D E L
11	10-30	2	6	1200/1400/1200	221 x 82 x 29	STSWT B 225 D E L
11	10-30	1	6	1200/1400/1200	320 x 82 x 29	STSWT B 123 D E L
22	10-30	2	12	2400/2800/2400	360 x 82 x 29	STSWT B 223 D E L

Article number (**B D E L** choices)

B = Base **1** = White

D = Diffuser **H** = Clear **O** = Opaque

E = End caps **W** = White **G** = Grey **Z** = Black

L = Light colour **1** = Natural white **2** = Cool white **3** = Warm white

Example

Article number STSWT **1** 103 **H Z 1** results in the following article:

Recessed fitting 'Stream WT angle'

* 320x82x29mm (cut-out size)

* base white powder coated

* 1x6 high power LED module

6x natural white

8W/10-30VDC (multi-volt)

light output 900 lm


* clear diffuser/black end caps

* mounting via screws (not included)

* wires out-coming ± 30cm/2x0.75mm²

* watertight IP65

* LEDs angle mounted









 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

3

Watertight recessed LED fittings

4

Watertight Surface mounted LED fittings

	Disc WT SU series.....	4.02
	Micro Edge WT series.....	4.08
	Micro Edge WT Connect series.....	4.14
	Track WT series.....	4.24
	Track WT resin series.....	4.26
	Track WT Connect series.....	4.32
	Track 40 WT series.....	4.38
	Track 60 WT series.....	4.40



Properties

Fitting type	Surface mounted
Base	Aluminium, white, grey or black powder coated
Diffuser	Polycarbonate, clear or opaque
Voltage range	* 12 VDC (10 - 14) or 24 VDC (22 - 28) mono-volt * 10 - 30 VDC multi-volt
Watertight	Yes (IP66 classification + ADR certified)
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system	No
Switch	No
Motion sensor	Option, integrated in the fitting * A potentiometer allows switching between 9 delay times, ranging from 15 seconds to 30 minutes (default 1 minute).
Night light	Option, 6 LEDs (blue, red or green), via additional wire
Dimmable	Option * 2 positions (30 / 100%), via additional wire * Variable dim (0 - 100%) via external PWM dimmer up to a maximum of 1000 Hz, on specified versions

[Inquire about the possibilities for negative switched LED modules with night light and / or 2 dimming positions.](#)
From page 7.02 you will find more technical information.



White powder coated, opaque diffuser



Grey powder coated, opaque diffuser



Black powder coated, opaque diffuser

Mono-voltage, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (Ø x H in mm)	Article number (B M D L OO choices) E4 = type approval
Mid power LED						E4 10R-05 014099
3	12	1	6	300/350/300	Ø 155 x 20	DIWTSU B M 33 D L OO
6	12	1	12	600/700/600	Ø 155 x 20	DIWTSU B M 35 D L OO
9	12	1	18	900/1100/900	Ø 155 x 20	DIWTSU B M 37 D L OO
12	12	1	24	1200/1400/1200	Ø 155 x 20	DIWTSU B M 39 D L OO
Mid power LED						E4 10R-05 014099
3	24	1	6	300/350/300	Ø 155 x 20	DIWTSU B M 34 D L OO
6	24	1	12	600/700/600	Ø 155 x 20	DIWTSU B M 36 D L OO
9	24	1	18	900/1100/900	Ø 155 x 20	DIWTSU B M 38 D L OO
12	24	1	24	1200/1400/1200	Ø 155 x 20	DIWTSU B M 40 D L OO

Cable out-coming: 1x positive, 1x negative

The 12 Watt versions that are equipped with a motion sensor use 23 LEDs instead of 24. The light output remains unchanged. Please view the next page for more available versions.


Article number (B M D L OO choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed	1 = Negative to ground	
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	A7 = PIR 15 seconds ^{1 2}	E7 = PIR 10 minutes ^{1 2}	
	H7 = PIR 30 seconds ^{1 2}	F7 = PIR 15 minutes ^{1 2}	
	B7 = PIR 1 minute (STD) ^{1 2}	J7 = PIR 20 minutes ^{1 2}	
	C7 = PIR 2 minutes ^{1 2}	G7 = PIR 30 minutes ^{1 2}	
	D7 = PIR 5 minutes ^{1 2}		

¹ PIR = motion sensor (delay time adjustable to values listed above via onboard potentiometer)

² Mono-voltage versions of Disc fittings have 2 additional out-coming wires, to which one or more fittings without a sensor can be connected.

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06, not in combination with PIR).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (Ø x H in mm)	Article number (B M D L O O choices) E4 = type approval
Mid power LED						E4 10R-05 014099
3	12	1	6 + 6	300/350/300	Ø 155 x 20	DIWTSU B M 33 D L O O
6	12	1	12 + 6	600/700/600	Ø 155 x 20	DIWTSU B M 35 D L O O
9	12	1	18 + 6	900/1100/900	Ø 155 x 20	DIWTSU B M 37 D L O O
12	12	1	24 + 6	1200/1400/1200	Ø 155 x 20	DIWTSU B M 39 D L O O
Mid power LED						E4 10R-05 014099
3	24	1	6 + 6	300/350/300	Ø 155 x 20	DIWTSU B M 34 D L O O
6	24	1	12 + 6	600/700/600	Ø 155 x 20	DIWTSU B M 36 D L O O
9	24	1	18 + 6	900/1100/900	Ø 155 x 20	DIWTSU B M 38 D L O O
12	24	1	24 + 6	1200/1400/1200	Ø 155 x 20	DIWTSU B M 40 D L O O

Cable out-coming: 2x positive (white and coloured light), 1x combined negative
Please view the next page for more available versions.

Article number (B M D L O O choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed	1 = Negative to ground	
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹		
	50 = LED NL red ¹		
	60 = LED NL green ¹		

¹ NL = Night light

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Multi-voltage, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (Ø x H in mm)	Article number (B M D L OO choices) E4 = type approval
High power LED						E4 10R-05 012574
5	10-30	1	3	600/700/600	Ø 155 x 20	DIWTSU B M 04 D L OO
8	10-30	1	6	900/1100/900	Ø 155 x 20	DIWTSU B M 05 D L OO
11	10-30	1	6	1200/1400/1200	Ø 155 x 20	DIWTSU B M 24 D L OO

Cable out-coming: 1x positive, 1x negative

Article number (B M D L OO choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed	1 = Negative to ground	
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		
	A7 = PIR 15 seconds ¹	E7 = PIR 10 minutes ¹	
	H7 = PIR 30 seconds ¹	F7 = PIR 15 minutes ¹	
	B7 = PIR 1 minute (STD) ¹	J7 = PIR 20 minutes ¹	
	C7 = PIR 2 minutes ¹	G7 = PIR 30 minutes ¹	
	D7 = PIR 5 minutes ¹		

¹ PIR = motion sensor

Multi-voltage, white dimmable LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (Ø x H in mm)	Article number (B M D L OO choices) E4 = type approval
High power LED (2 positions dimmable 30 / 100%)						E4 10R-05 012574
5	10-30	1	3	600/700/600	Ø 155 x 20	DIWTSU B M 12 D L OO
8	10-30	1	6	900/1100/900	Ø 155 x 20	DIWTSU B M 13 D L OO
11	10-30	1	6	1200/1400/1200	Ø 155 x 20	DIWTSU B M 26 D L OO

Cable out-coming: 2x positive (white light 100% and white light 30%), 1x combined negative

Please view the next page for more available versions.

Article number (B M D L OO choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed	1 = Negative to ground	
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	00 = No option		

Multi-voltage, white + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (Ø x H in mm)	Article number (B M D L O O choices) E4 = type approval
High power LED						E4 10R-05 012574
5	10-30	1	3 + 6	600/700/600	Ø 155 x 20	DIWTSU B M 04 D L O O
8	10-30	1	6 + 6	900/1100/900	Ø 155 x 20	DIWTSU B M 05 D L O O
11	10-30	1	6 + 6	1200/1400/1200	Ø 155 x 20	DIWTSU B M 24 D L O O

Cable out-coming: 2x positive (white and coloured light), 1x combined negative

Article number (B M D L O O choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed	1 = Negative to ground	
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹		
	50 = LED NL red ¹		
	60 = LED NL green ¹		

¹ NL = Night light

Multi-voltage, white dimmable LEDs + coloured LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White+Colour)	Luminous flux (lm)	Outside dimension (Ø x H in mm)	Article number (B M D L O O choices) E4 = type approval
High power LED (2 positions dimmable 30 / 100%)						E4 10R-05 012574
5	10-30	1	3 + 6	600/700/600	Ø 155 x 20	DIWTSU B M 12 D L O O
8	10-30	1	6 + 6	900/1100/900	Ø 155 x 20	DIWTSU B M 13 D L O O
11	10-30	1	6 + 6	1200/1400/1200	Ø 155 x 20	DIWTSU B M 26 D L O O

Cable out-coming: 3x positive (white light 100%, white light 30%, coloured light), 1x combined negative

Article number (B M D L O O choices)

B = Base	1 = White	2 = Grey	3 = Black
M = Earthing	0 = Unearthed	1 = Negative to ground	
D = Diffuser	H = Clear	O = Opaque	
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
OO = Option	40 = LED NL blue ¹		
	50 = LED NL red ¹		
	60 = LED NL green ¹		

¹ NL = Night light

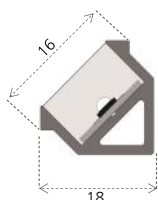
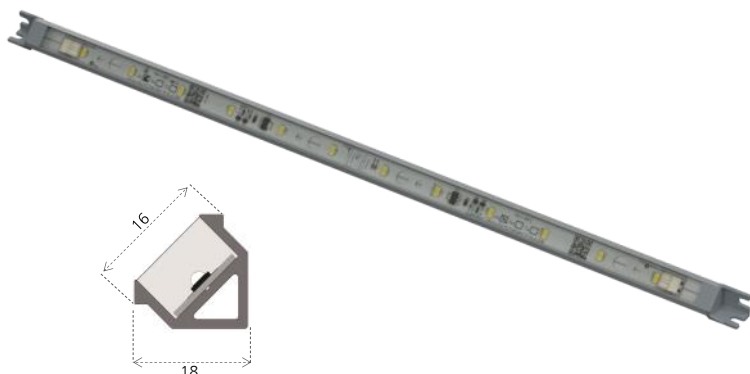
 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Example

Article number DIWTSU 2 105 H 1 00 results in the following article:

Surface mounted fitting 'Disc WT'

- * Ø155x20mm
- * 1x6 high power LED module
 - negative to ground
 - 6x natural white
 - 8W/10-30VDC (multi-volt)
 - light output 900 lm
- * clear diffuser/grey casing
- * mounting via screws (not included)
- * cable out-coming $\pm 30\text{cm}/2\times 1\text{mm}^2$
- * watertight IP66, ADR



Standard



Touch switch

Properties

Fitting type	Surface mounted
Base	Aluminium silver anodised
Diffuser	Clear resin, optionally with polycarbonate clear or opaque
End caps	White, grey or black
Mounting	The fitting can be mounted via double sided adhesive VHB tape (already attached to the fitting).
Voltage range	* 12 VDC (10 - 14) or 24 VDC (22 - 28) mono-volt * 10 - 30 VDC multi-volt
Watertight	Yes (IP68 classification)
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * other colours on request
Continuous lighting system possible	Yes, custom-made fittings are possible (> approx. 1.7 meter)
Switch	* touch switch, 2 positions (on/off) with 10 minutes timer function (this option will increase the fitting length by 55 mm)
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	No
Dimmable	Option, variable dim (0 - 100%) via external PWM dimmer up to a maximum of 1000 Hz, on specified versions

From page 7.02 you will find more technical information.



Silver anodised, clear resin, white end caps




Silver anodised, clear resin, grey end caps



Silver anodised, clear resin, black end caps

Mono-voltage 6.25, 12.5 and 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (6.25W/m)						E4 10R-05 014100
1.25	12	0.5	3	135	283 x 18 x 16	MEWT B 0127 D E L O O
2.5	12	1	6	275	484 x 18 x 16	MEWT B 1027 D E L O O
3.75	12	1.5	9	410	683 x 18 x 16	MEWT B 1127 D E L O O
5	12	2	12	550	882 x 18 x 16	MEWT B 2027 D E L O O
6.25	12	2.5	15	685	1081 x 18 x 16	MEWT B 2127 D E L O O
7.5	12	3	18	825	1280 x 18 x 16	MEWT B 3027 D E L O O
8.75	12	3.5	21	960	1479 x 18 x 16	MEWT B 3127 D E L O O
10	12	4	24	1100	1678 x 18 x 16	MEWT B 4027 D E L O O
Mid power LED (12.5W/m)						E4 10R-05 014100
2.5	12	0.5	6	275	283 x 18 x 16	MEWT B 0129 D E L O O
5	12	1	12	550	484 x 18 x 16	MEWT B 1029 D E L O O
7.5	12	1.5	18	825	683 x 18 x 16	MEWT B 1129 D E L O O
10	12	2	24	1100	882 x 18 x 16	MEWT B 2029 D E L O O
12.5	12	2.5	30	1375	1081 x 18 x 16	MEWT B 2129 D E L O O
15	12	3	36	1650	1280 x 18 x 16	MEWT B 3029 D E L O O
17.5	12	3.5	42	1925	1479 x 18 x 16	MEWT B 3129 D E L O O
20	12	4	48	2200	1678 x 18 x 16	MEWT B 4029 D E L O O
Mid power LED (20W/m) 						E4 10R-05 014100
4	12	0.5	6	400	283 x 18 x 16	MEWT B 0131 D E L O O
8	12	1	12	800	484 x 18 x 16	MEWT B 1031 D E L O O
12	12	1.5	18	1200	683 x 18 x 16	MEWT B 1131 D E L O O
16	12	2	24	1600	882 x 18 x 16	MEWT B 2031 D E L O O
20	12	2.5	30	2000	1081 x 18 x 16	MEWT B 2131 D E L O O
24	12	3	36	2400	1280 x 18 x 16	MEWT B 3031 D E L O O
28	12	3.5	42	2800	1479 x 18 x 16	MEWT B 3131 D E L O O
32	12	4	48	3200	1678 x 18 x 16	MEWT B 4031 D E L O O

 Mounting on a metal base is necessary because of the heat sink of the LEDs.

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base 4 = Silver

D = Diffuser R = Resin H = Clear O = Opaque

E = End caps W = White G = Grey Z = Black

L = Light colour 1 = Natural white 2 = Cool white


O = Option 0 = No option 1 = Touch switch

O = Version A = Tape assembly A B = Tape assembly B

(mounting examples available on page 4.12)

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

Mono-voltage 6.25, 12.5 and 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (6.25W/m)						E4 10R-05 014100
2.5	24	0.5	3	135	283 x 18 x 16	MEWT B 0128 D E L O O
2.5	24	1	6	275	484 x 18 x 16	MEWT B 1028 D E L O O
5	24	1.5	9	410	683 x 18 x 16	MEWT B 1128 D E L O O
5	24	2	12	550	882 x 18 x 16	MEWT B 2028 D E L O O
7.5	24	2.5	15	685	1081 x 18 x 16	MEWT B 2128 D E L O O
7.5	24	3	18	825	1280 x 18 x 16	MEWT B 3028 D E L O O
10	24	3.5	21	960	1479 x 18 x 16	MEWT B 3128 D E L O O
10	24	4	24	1100	1678 x 18 x 16	MEWT B 4028 D E L O O
Mid power LED (12.5W/m)						E4 10R-05 014100
2.5	24	0.5	6	275	283 x 18 x 16	MEWT B 0130 D E L O O
5	24	1	12	550	484 x 18 x 16	MEWT B 1030 D E L O O
7.5	24	1.5	18	825	683 x 18 x 16	MEWT B 1130 D E L O O
10	24	2	24	1100	882 x 18 x 16	MEWT B 2030 D E L O O
12.5	24	2.5	30	1375	1081 x 18 x 16	MEWT B 2130 D E L O O
15	24	3	36	1650	1280 x 18 x 16	MEWT B 3030 D E L O O
17.5	24	3.5	42	1925	1479 x 18 x 16	MEWT B 3130 D E L O O
20	24	4	48	2200	1678 x 18 x 16	MEWT B 4030 D E L O O
Mid power LED (20W/m) 						E4 10R-05 014100
4	24	0.5	6	400	283 x 18 x 16	MEWT B 0132 D E L O O
8	24	1	12	800	484 x 18 x 16	MEWT B 1032 D E L O O
12	24	1.5	18	1200	683 x 18 x 16	MEWT B 1132 D E L O O
16	24	2	24	1600	882 x 18 x 16	MEWT B 2032 D E L O O
20	24	2.5	30	2000	1081 x 18 x 16	MEWT B 2132 D E L O O
24	24	3	36	2400	1280 x 18 x 16	MEWT B 3032 D E L O O
28	24	3.5	42	2800	1479 x 18 x 16	MEWT B 3132 D E L O O
32	24	4	48	3200	1678 x 18 x 16	MEWT B 4032 D E L O O

 Mounting on a metal base is necessary because of the heat sink of the LEDs.

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base 4 = Silver

D = Diffuser R = Resin H = Clear O = Opaque

E = End caps W = White G = Grey Z = Black

L = Light colour 1 = Natural white 2 = Cool white


O = Option 0 = No option 1 = Touch switch


O = Version A = Tape assembly A B = Tape assembly B

(mounting examples available on page 4.12)

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

Multi-voltage 7.5 and 15W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (10W/m)						E4 10R-05 014535
2	10-30	0.5	6	250	283 x 18 x 16	MEWT B 0175 D E L O O
4	10-30	1	12	500	484 x 18 x 16	MEWT B 1075 D E L O O
6	10-30	1.5	18	750	683 x 18 x 16	MEWT B 1175 D E L O O
8	10-30	2	24	1000	882 x 18 x 16	MEWT B 2075 D E L O O
10	10-30	2.5	30	1250	1081 x 18 x 16	MEWT B 2175 D E L O O
12	10-30	3	36	1500	1280 x 18 x 16	MEWT B 3075 D E L O O
14	10-30	3.5	42	1750	1479 x 18 x 16	MEWT B 3175 D E L O O
16	10-30	4	48	2000	1678 x 18 x 16	MEWT B 4075 D E L O O
Mid power LED (17.5W/m) 						E4 10R-05 014535
3.5	10-30	0.5	6	400	283 x 18 x 16	MEWT B 0176 D E L O O
7	10-30	1	12	800	484 x 18 x 16	MEWT B 1076 D E L O O
10.5	10-30	1.5	18	1200	683 x 18 x 16	MEWT B 1176 D E L O O
14	10-30	2	24	1600	882 x 18 x 16	MEWT B 2076 D E L O O
17.5	10-30	2.5	30	2000	1081 x 18 x 16	MEWT B 2176 D E L O O
21	10-30	3	36	2400	1280 x 18 x 16	MEWT B 3076 D E L O O
24.5	10-30	3.5	42	2800	1479 x 18 x 16	MEWT B 3176 D E L O O
28	10-30	4	48	3200	1678 x 18 x 16	MEWT B 4076 D E L O O

 Mounting on a metal base is necessary because of the heat sink of the LEDs.

Article number (B D E L O O choices)

B = Base 4 = Silver

D = Diffuser R = Resin H = Clear O = Opaque

E = End caps W = White G = Grey Z = Black

L = Light colour 1 = Natural white 2 = Cool white

O = Option 0 = No option 1 = Touch switch

O = Version A = Tape assembly A B = Tape assembly B

(mounting examples available on page 4.12)

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Example

Article number MEWT 4 2130 R G 10 A results in the following article:

Surface mounted fitting 'Micro Edge WT'

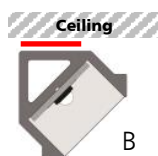
- * 882x18x16mm
- * base silver anodised
- * 2.5x12 mid power LED module
30x natural white
12.5W/10-30VDC (multi-volt)
light output 1375 lm
- * clear resin/grey end caps
- * VHB tape assembly A (already mounted)
- * cable out-coming $\pm 30\text{cm}/2\times 1\text{mm}^2$
- * watertight IP68

4

Watertight surface mounted LED fittings

Mounting examples

Horizontal
(cable left)

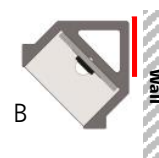
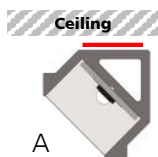


Side view (cable out-coming on the left side)



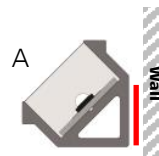
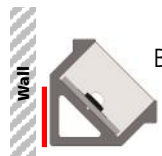
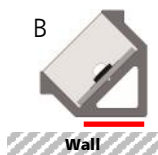
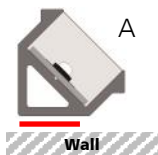
Horizontal
(cable right)

Side view (cable out-coming on the right side)



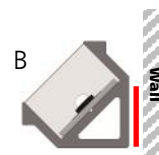
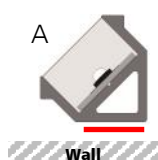
Vertical
(cable on top)

Top view (cable out-coming on the top side)

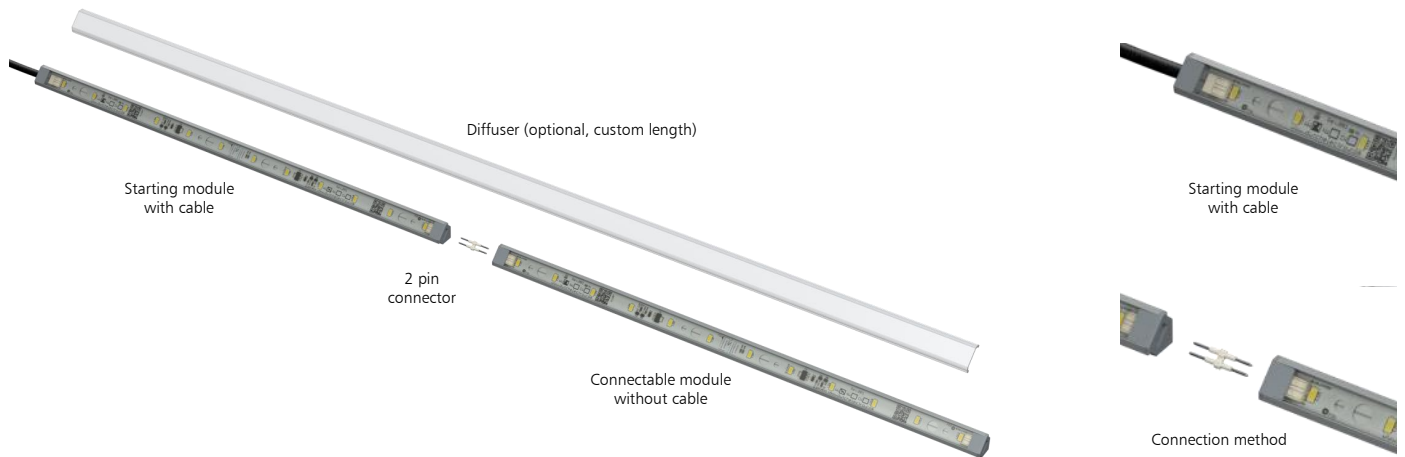


Vertical
(cable below)

Top view (cable out-coming on the lower side)



— = VHB tape



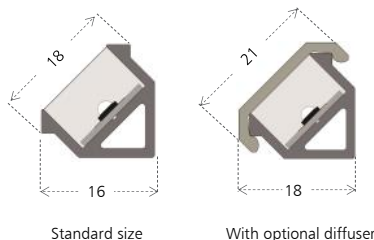
4

Watertight surface mounted LED fittings


Properties

Fitting type	Surface mounted
Base	Aluminium silver anodised
Diffuser	Clear resin, optionally with clear or opaque diffuser (to be ordered separately)
End caps	Grey or black
Mounting	The fitting can be mounted via double sided adhesive VHB tape (already attached to the fitting).
Voltage range	* 12 VDC (10 - 14) or 24 VDC (22 - 28) mono-volt * 10 - 30 VDC multi-volt
Watertight	Yes (IP68 classification)
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * other colours on request
Continuous lighting system possible	Yes * connectable up to 15 m on 12 VDC or 30 m on 24 VDC (6.25 W/m) * connectable up to 7.5 m on 12 VDC or 15 m on 24 VDC (12.5 W/m) * connectable up to 5.7 m on 12 VDC or 10.5 m on 24 VDC (20 W/m) * connectable up to 8.6 m on 10 - 30 VDC (10 W/m) * connectable up to 4.8 m on 10 - 30 VDC (17.5 W/m)
Switch	No
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	No
Dimmable	Option, variable dim (0 - 100%) via external PWM dimmer up to a maximum of 1000 Hz, on specified versions

From page 7.02 you will find more technical information.



Starting modules (with cable) Mono-voltage 6.25, 12.5 and 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
Starting module (with cable, default 30 cm), mid power LED (6.25W/m)						E4 10R-05 014100
2.5	12	1	6	275	411 x 18 x 16	MEWTS B 127 D E L O
5	12	2	12	550	811 x 18 x 16	MEWTS B 227 D E L O
7.5	12	3	18	825	1211 x 18 x 16	MEWTS B 327 D E L O
10	12	4	24	1100	1611 x 18 x 16	MEWTS B 427 D E L O
Starting module (with cable, default 30 cm), mid power LED (12.5W/m)						E4 10R-05 014100
5	12	1	12	550	411 x 18 x 16	MEWTS B 129 D E L O
10	12	2	24	1100	811 x 18 x 16	MEWTS B 229 D E L O
15	12	3	36	1650	1211 x 18 x 16	MEWTS B 329 D E L O
20	12	4	48	2200	1611 x 18 x 16	MEWTS B 429 D E L O
Starting module (with cable, default 30 cm), mid power LED (20W/m) 						E4 10R-05 014100
8	12	1	12	800	411 x 18 x 16	MEWTS B 131 D E L O
16	12	2	24	1600	811 x 18 x 16	MEWTS B 231 D E L O
24	12	3	36	2400	1211 x 18 x 16	MEWTS B 331 D E L O
32	12	4	48	3200	1611 x 18 x 16	MEWTS B 431 D E L O

 Mounting on a metal base is necessary because of the heat sink of the LEDs.

Please view the next page for more available versions.

Article number (B D E L O choices)

B = Base **4** = Silver

D = Diffuser **R** = Resin

E = End caps **G** = Grey **Z** = Black

L = Light colour **1** = Natural white **2** = Cool white


O = Version **A** = Tape assembly A **B** = Tape assembly B

(mounting examples available on page 4.22)

Custom length diffusers are also available. To order, please view our price list.

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

Connectable modules (without cable) Mono-voltage 6.25, 12.5 and 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
Connectable module (without cable), mid power LED (6.25W/m)						E4 10R-05 014100
2.5	12	1	6	275	404 x 18 x 16	MEWTC B 127 D E L O
5	12	2	12	550	804 x 18 x 16	MEWTC B 227 D E L O
7.5	12	3	18	825	1204 x 18 x 16	MEWTC B 327 D E L O
10	12	4	24	1100	1604 x 18 x 16	MEWTC B 427 D E L O
Connectable module (without cable), mid power LED (12.5W/m)						E4 10R-05 014100
5	12	1	12	550	404 x 18 x 16	MEWTC B 129 D E L O
10	12	2	24	1100	804 x 18 x 16	MEWTC B 229 D E L O
15	12	3	36	1650	1204 x 18 x 16	MEWTC B 329 D E L O
20	12	4	48	2200	1604 x 18 x 16	MEWTC B 429 D E L O
Connectable module (without cable), mid power LED (20W/m) 						E4 10R-05 014100
8	12	1	12	800	404 x 18 x 16	MEWTC B 131 D E L O
16	12	2	24	1600	804 x 18 x 16	MEWTC B 231 D E L O
24	12	3	36	2400	1204 x 18 x 16	MEWTC B 331 D E L O
32	12	4	48	3200	1604 x 18 x 16	MEWTC B 431 D E L O

 Mounting on a metal base is necessary because of the heat sink of the LEDs.

Please view the next page for more available versions.


Article number (B D E L O choices)

B = Base	4 = Silver	
D = Diffuser	R = Resin	
E = End caps	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white
O = Version	A = Tape assembly A	B = Tape assembly B

(mounting examples available on page 4.22)

Custom length diffusers are also available. To order, please view our price list.
The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

Starting modules (with cable) Mono-voltage 6.25, 12.5 and 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
Starting module (with cable, default 30 cm), mid power LED (6.25W/m)						E4 10R-05 014100
2.5	24	1	6	275	411 x 18 x 16	MEWTS B 128 D E L O
5	24	2	12	550	811 x 18 x 16	MEWTS B 228 D E L O
7.5	24	3	18	825	1211 x 18 x 16	MEWTS B 328 D E L O
10	24	4	24	1100	1611 x 18 x 16	MEWTS B 428 D E L O
Starting module (with cable, default 30 cm), mid power LED (12.5W/m)						E4 10R-05 014100
5	24	1	12	550	411 x 18 x 16	MEWTS B 130 D E L O
10	24	2	24	1100	811 x 18 x 16	MEWTS B 230 D E L O
15	24	3	36	1650	1211 x 18 x 16	MEWTS B 330 D E L O
20	24	4	48	2200	1611 x 18 x 16	MEWTS B 430 D E L O
Starting module (with cable, default 30 cm), mid power LED (20W/m) 						E4 10R-05 014100
8	24	1	12	800	411 x 18 x 16	MEWTS B 132 D E L O
16	24	2	24	1600	811 x 18 x 16	MEWTS B 232 D E L O
24	24	3	36	2400	1211 x 18 x 16	MEWTS B 332 D E L O
32	24	4	48	3200	1611 x 18 x 16	MEWTS B 432 D E L O

 Mounting on a metal base is necessary because of the heat sink of the LEDs.

Please view the next page for more available versions.

Article number (B D E L O choices)

B = Base	4 = Silver	
D = Diffuser	R = Resin	
E = End caps	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white
O = Version	A = Tape assembly A	B = Tape assembly B

(mounting examples available on page 4.22)

Custom length diffusers are also available. To order, please view our price list.

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

Connectable modules (without cable) Mono-voltage 6.25, 12.5 and 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
Connectable module (without cable), mid power LED (6.25W/m)						E4 10R-05 014100
2.5	24	1	6	275	404 x 18 x 16	MEWTC B 128 D E L O
5	24	2	12	550	804 x 18 x 16	MEWTC B 228 D E L O
7.5	24	3	18	825	1204 x 18 x 16	MEWTC B 328 D E L O
10	24	4	24	1100	1604 x 18 x 16	MEWTC B 428 D E L O
Connectable module (without cable), mid power LED (12.5W/m)						E4 10R-05 014100
5	24	1	12	550	404 x 18 x 16	MEWTC B 130 D E L O
10	24	2	24	1100	804 x 18 x 16	MEWTC B 230 D E L O
15	24	3	36	1650	1204 x 18 x 16	MEWTC B 330 D E L O
20	24	4	48	2200	1604 x 18 x 16	MEWTC B 430 D E L O
Connectable module (without cable), mid power LED (20W/m)						E4 10R-05 014100
8	24	1	12	800	404 x 18 x 16	MEWTC B 132 D E L O
16	24	2	24	1600	804 x 18 x 16	MEWTC B 232 D E L O
24	24	3	36	2400	1204 x 18 x 16	MEWTC B 332 D E L O
32	24	4	48	3200	1604 x 18 x 16	MEWTC B 432 D E L O

Mounting on a metal base is necessary because of the heat sink of the LEDs.

Article number (B D E L O choices)


B = Base	4 = Silver	
D = Diffuser	R = Resin	
E = End caps	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white
O = Version	A = Tape assembly A	B = Tape assembly B


(mounting examples available on page 4.22)

Custom length diffusers are also available. To order, please view our price list.

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

Starting modules (with cable) Multi-voltage 10 and 17.5W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
Starting module (with cable, default 30 cm), mid power LED (10W/m)						E4 10R-05 014535
2	10-30	0.5	6	250	211 x 18 x 16	MEWTS B 0175 D E L O
4	10-30	1	12	500	411 x 18 x 16	MEWTS B 1075 D E L O
6	10-30	1.5	18	750	611 x 18 x 16	MEWTS B 1175 D E L O
8	10-30	2	24	1000	811 x 18 x 16	MEWTS B 2075 D E L O
10	10-30	2.5	30	1250	1011 x 18 x 16	MEWTS B 2175 D E L O
12	10-30	3	36	1500	1211 x 18 x 16	MEWTS B 3075 D E L O
14	10-30	3.5	42	1750	1411 x 18 x 16	MEWTS B 3175 D E L O
16	10-30	4	48	2000	1611 x 18 x 16	MEWTS B 4075 D E L O
Starting module (with cable, default 30 cm), mid power LED (17.5W/m) 						E4 10R-05 014535
3.5	10-30	0.5	6	400	211 x 18 x 16	MEWTS B 0176 D E L O
7	10-30	1	12	800	411 x 18 x 16	MEWTS B 1076 D E L O
10.5	10-30	1.5	18	1200	611 x 18 x 16	MEWTS B 1176 D E L O
14	10-30	2	24	1600	811 x 18 x 16	MEWTS B 2076 D E L O
17.5	10-30	2.5	30	2000	1011 x 18 x 16	MEWTS B 2176 D E L O
21	10-30	3	36	2400	1211 x 18 x 16	MEWTS B 3076 D E L O
24.5	10-30	3.5	42	2800	1411 x 18 x 16	MEWTS B 3176 D E L O
28	10-30	4	48	3200	1611 x 18 x 16	MEWTS B 4076 D E L O

 Mounting on a metal base is necessary because of the heat sink of the LEDs.

Please view the next page for more available versions.


Article number (B D E L O choices)


B = Base	4 = Silver
D = Diffuser	R = Resin
E = End caps	G = Grey Z = Black
L = Light colour	1 = Natural white 2 = Cool white
O = Version	A = Tape assembly A B = Tape assembly B

(mounting examples available on page 4.22)

Custom length diffusers are also available. To order, please view our price list.

Connectable modules (without cable)
Multi-voltage 10 and 17.5W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
Connectable module (without cable), mid power LED (10W/m)						E4 10R-05 014535
2	10-30	0.5	6	250	204 x 18 x 16	MEWTC B 0175 D E L O
4	10-30	1	12	500	404 x 18 x 16	MEWTC B 1075 D E L O
6	10-30	1.5	18	750	604 x 18 x 16	MEWTC B 1175 D E L O
8	10-30	2	24	1000	804 x 18 x 16	MEWTC B 2075 D E L O
10	10-30	2.5	30	1250	1004 x 18 x 16	MEWTC B 2175 D E L O
12	10-30	3	36	1500	1204 x 18 x 16	MEWTC B 3075 D E L O
14	10-30	3.5	42	1750	1404 x 18 x 16	MEWTC B 3175 D E L O
16	10-30	4	48	2000	1604 x 18 x 16	MEWTC B 4075 D E L O
Connectable module (without cable), mid power LED (17.5W/m) 						E4 10R-05 014535
3.5	10-30	0.5	6	400	204 x 18 x 16	MEWTC B 0176 D E L O
7	10-30	1	12	800	404 x 18 x 16	MEWTC B 1076 D E L O
10.5	10-30	1.5	18	1200	604 x 18 x 16	MEWTC B 1176 D E L O
14	10-30	2	24	1600	804 x 18 x 16	MEWTC B 2076 D E L O
17.5	10-30	2.5	30	2000	1004 x 18 x 16	MEWTC B 2176 D E L O
21	10-30	3	36	2400	1204 x 18 x 16	MEWTC B 3076 D E L O
24.5	10-30	3.5	42	2800	1404 x 18 x 16	MEWTC B 3176 D E L O
28	10-30	4	48	3200	1604 x 18 x 16	MEWTC B 4076 D E L O

 Mounting on a metal base is necessary because of the heat sink of the LEDs.

Article number (B D E L O choices)

B = Base	4 = Silver	
D = Diffuser	R = Resin	
E = End caps	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white
O = Version	A = Tape assembly A	B = Tape assembly B

(mounting examples available on page 4.22)

Custom length diffusers are also available. To order, please view our price list.

Example of starting module

Article number MEWTS 4 129 R G 1 0 A results in the following article:

LED fitting 'Micro Edge WT connect'

- * starting module with cable
- * 411x18x16mm
- * base silver anodised
- * 1x12 mid power LED module
 - 12x natural white
 - 5W/12VDC (mono-volt)
 - light output 550 lm
- * clear resin/grey end caps
- * VHB tape assembly A (already mounted)
- * cable out-coming $\pm 30\text{cm}/2\times 1\text{mm}^2$
- * watertight IP68

Example of connectable module

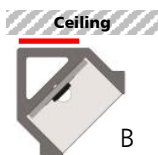
Article number MEWTC 4 129 R G 1 A results in the following article:

LED fitting 'Micro Edge WT connect'

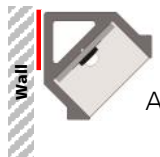
- * connectable module without cable
- * 404x18x16mm
- * base silver anodised
- * 1x12 mid power LED module
 - 12x natural white
 - 5W/12VDC (mono-volt)
 - light output 550 lm
- * clear resin/grey end caps
- * VHB tape assembly A (already mounted)
- * 2 pin connector included
- * watertight IP68

Mounting examples

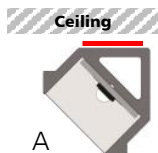
Horizontal
(cable left)



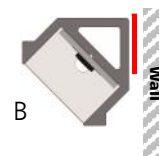
Side view (cable out-coming on the left side)



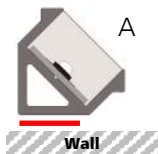
Horizontal
(cable right)



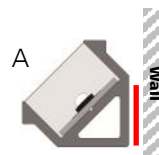
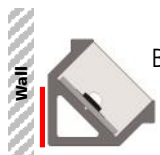
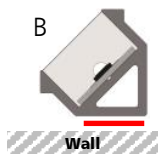
Side view (cable out-coming on the right side)



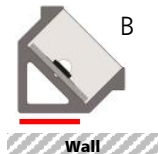
Vertical
(cable on top)



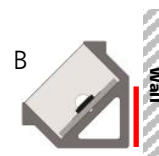
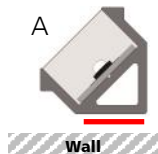
Top view (cable out-coming on the top side)




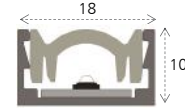
Vertical
(cable below)



Top view (cable out-coming on the lower side)



 = VHB tape



4



Watertight surface mounted LED fittings

Properties

Fitting type	Surface mounted
Base	Aluminium, silver anodised
Diffuser	Polycarbonate, clear or opaque
End caps	Polycarbonate, grey, mounted using a click system
Voltage range	* 10 - 30 VDC multi-volt
Watertight	Yes (IP66 classification)
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system possible	Yes, custom-made fittings are possible (> approx. 1.5 meter)
Switch	No
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	No
Dimmable	No

[From page 7.02 you will find more technical information.](#)

Multi-voltage 25 or 35W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L choices) E4 = type approval
High power LED (25W/m) 						E4 10R-05 012573
4	10-30	1	3	450/550/450	190 x 18 x 10	TRWT B 101 D E L
8	10-30	1	6	900/1100/900	340 x 18 x 10	TRWT B 103 D E L
16	10-30	2	12	1800/2200/1800	639 x 18 x 10	TRWT B 203 D E L
24	10-30	3	18	2700/3300/2700	938 x 18 x 10	TRWT B 303 D E L
32	10-30	4	24	3600/4400/3600	1236 x 18 x 10	TRWT B 403 D E L
40	10-30	5	30	4500/5500/4500	1537 x 18 x 10	TRWT B 503 D E L
High power LED (35W/m) 						E4 10R-05 012573
5.5	10-30	1	3	600/700/600	190 x 18 x 10	TRWT B 125 D E L
11	10-30	1	6	1200/1400/1200	340 x 18 x 10	TRWT B 123 D E L
22	10-30	2	12	2400/2800/2400	639 x 18 x 10	TRWT B 223 D E L
33	10-30	3	18	3600/4200/3600	938 x 18 x 10	TRWT B 323 D E L
44	10-30	4	24	4800/5600/4800	1236 x 18 x 10	TRWT B 423 D E L
55	10-30	5	30	6000/7000/6000	1537 x 18 x 10	TRWT B 523 D E L

 Mounting on a metal base is necessary because of the heat sink of the LEDs.

Article number (B D E L choices)

B = Base	4 = Silver		
D = Diffuser	H = Clear	O = Opaque	
E = End caps	G = Grey		
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white

Example

Article number TRWT **4** 203 **H G 1** results in the following article:

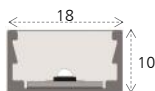
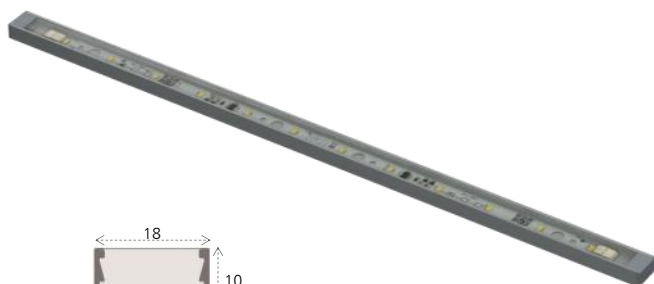
Surface mounted fitting 'Track WT'

- * 639x18x10mm
- * base silver anodised
- * 2x6 high power LED module
 - 12x natural white
 - 16W/10-30VDC (multi-volt)
 - light output 1800 lm
- * clear diffuser/grey end caps
- * mounting via screws (not included)
- * cable out-coming ± 30cm/2x1mm²
- * watertight IP66

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

4

Watertight surface mounted LED fittings



Standard



Touch switch

Properties

Fitting type	Surface mounted
Base	Aluminium, silver anodised
Diffuser	Clear resin
End caps	Polycarbonate, grey, mounted using a click system
Mounting	The fitting can be mounted via double sided adhesive VHB tape (already attached to the fitting).
Voltage range	* 12 VDC (10 - 14) or 24 VDC (22 - 28) mono-volt * 10 - 30 VDC multi-volt
Watertight	Yes (IP68 classification)
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * other colours on request
Continuous lighting system possible	Yes, custom-made fittings are possible (> approx. 1.7 meter)
Switch	* touch switch, 2 positions (on/off) with 10 minutes timer function (this option will increase the fitting length by 55 mm)
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	No
Dimmable	Option, variable dim (0 - 100%) via external PWM dimmer up to a maximum of 1000 Hz, on specified versions

From page 7.02 you will find more technical information.

Mono-voltage 6.25, 12.5 and 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (6.25W/m)						E4 10R-05 014100
1.25	12	0.5	3	135	240 x 18 x 10	TRWT B 0127 D E L O O
2.5	12	1	6	275	461 x 18 x 10	TRWT B 1027 D E L O O
3.75	12	1.5	9	410	660 x 18 x 10	TRWT B 1127 D E L O O
5	12	2	12	550	859 x 18 x 10	TRWT B 2027 D E L O O
6.25	12	2.5	15	685	1058 x 18 x 10	TRWT B 2127 D E L O O
7.5	12	3	18	825	1257 x 18 x 10	TRWT B 3027 D E L O O
8.75	12	3.5	21	960	1456 x 18 x 10	TRWT B 3127 D E L O O
10	12	4	24	1100	1655 x 18 x 10	TRWT B 4027 D E L O O
Mid power LED (12.5W/m)						E4 10R-05 014100
2.5	12	0.5	6	275	240 x 18 x 10	TRWT B 0129 D E L O O
5	12	1	12	550	461 x 18 x 10	TRWT B 1029 D E L O O
7.5	12	1.5	18	825	660 x 18 x 10	TRWT B 1129 D E L O O
10	12	2	24	1100	859 x 18 x 10	TRWT B 2029 D E L O O
12.5	12	2.5	30	1375	1058 x 18 x 10	TRWT B 2129 D E L O O
15	12	3	36	1650	1257 x 18 x 10	TRWT B 3029 D E L O O
17.5	12	3.5	42	1925	1456 x 18 x 10	TRWT B 3129 D E L O O
20	12	4	48	2200	1655 x 18 x 10	TRWT B 4029 D E L O O
Mid power LED (20W/m)						E4 10R-05 014100
4	12	0.5	6	400	240 x 18 x 10	TRWT B 0131 D E L O O
8	12	1	12	800	461 x 18 x 10	TRWT B 1031 D E L O O
12	12	1.5	18	1200	660 x 18 x 10	TRWT B 1131 D E L O O
16	12	2	24	1600	859 x 18 x 10	TRWT B 2031 D E L O O
20	12	2.5	30	2000	1058 x 18 x 10	TRWT B 2131 D E L O O
24	12	3	36	2400	1257 x 18 x 10	TRWT B 3031 D E L O O
28	12	3.5	42	2800	1456 x 18 x 10	TRWT B 3131 D E L O O
32	12	4	48	3200	1655 x 18 x 10	TRWT B 4031 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	4 = Silver		
D = Diffuser	R = Resin		
E = End caps	G = Grey		
L = Light colour	1 = Natural white	2 = Cool white	
O = Option	0 = No option	1 = Touch switch	
O = Mounting	S = Screws	T = VHB tape	M = Mounting brackets ¹

¹ See page 4.30 for more information on mounting brackets.
The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mono-voltage 6.25, 12.5 and 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (6.25W/m)						E4 10R-05 014100
2.5	24	0.5	3	135	240 x 18 x 10	TRWT B 0128 D E L O O
2.5	24	1	6	275	461 x 18 x 10	TRWT B 1028 D E L O O
5	24	1.5	9	410	660 x 18 x 10	TRWT B 1128 D E L O O
5	24	2	12	550	859 x 18 x 10	TRWT B 2028 D E L O O
7.5	24	2.5	15	685	1058 x 18 x 10	TRWT B 2128 D E L O O
7.5	24	3	18	825	1257 x 18 x 10	TRWT B 3028 D E L O O
10	24	3.5	21	960	1456 x 18 x 10	TRWT B 3128 D E L O O
10	24	4	24	1100	1655 x 18 x 10	TRWT B 4028 D E L O O
Mid power LED (12.5W/m)						E4 10R-05 014100
2.5	24	0.5	6	275	240 x 18 x 10	TRWT B 0130 D E L O O
5	24	1	12	550	461 x 18 x 10	TRWT B 1030 D E L O O
7.5	24	1.5	18	825	660 x 18 x 10	TRWT B 1130 D E L O O
10	24	2	24	1100	859 x 18 x 10	TRWT B 2030 D E L O O
12.5	24	2.5	30	1375	1058 x 18 x 10	TRWT B 2130 D E L O O
15	24	3	36	1650	1257 x 18 x 10	TRWT B 3030 D E L O O
17.5	24	3.5	42	1925	1456 x 18 x 10	TRWT B 3130 D E L O O
20	24	4	48	2200	1655 x 18 x 10	TRWT B 4030 D E L O O
Mid power LED (20W/m)						E4 10R-05 014100
4	24	0.5	6	400	240 x 18 x 10	TRWT B 0132 D E L O O
8	24	1	12	800	461 x 18 x 10	TRWT B 1032 D E L O O
12	24	1.5	18	1200	660 x 18 x 10	TRWT B 1132 D E L O O
16	24	2	24	1600	859 x 18 x 10	TRWT B 2032 D E L O O
20	24	2.5	30	2000	1058 x 18 x 10	TRWT B 2132 D E L O O
24	24	3	36	2400	1257 x 18 x 10	TRWT B 3032 D E L O O
28	24	3.5	42	2800	1456 x 18 x 10	TRWT B 3132 D E L O O
32	24	4	48	3200	1655 x 18 x 10	TRWT B 4032 D E L O O

Please view the next page for more available versions.

Article number (B D E L O O choices)

B = Base	4 = Silver		
D = Diffuser	R = Resin		
E = End caps	G = Grey		
L = Light colour	1 = Natural white	2 = Cool white	
O = Option	0 = No option	1 = Touch switch	
O = Mounting	S = Screws	T = VHB tape	M = Mounting brackets ¹

¹ See page 4.30 for more information on mounting brackets.

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

4 Watertight surface mounted LED fittings

Multi-voltage 10 and 17.5W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O O choices) E4 = type approval
Mid power LED (10W/m)						E4 10R-05 014535
2	10-30	0.5	6	250	240 x 18 x 10	TRWT B 0175 D E L O O
4	10-30	1	12	500	461 x 18 x 10	TRWT B 1075 D E L O O
6	10-30	1.5	18	750	660 x 18 x 10	TRWT B 1175 D E L O O
8	10-30	2	24	1000	859 x 18 x 10	TRWT B 2075 D E L O O
10	10-30	2.5	30	1250	1058 x 18 x 10	TRWT B 2175 D E L O O
12	10-30	3	36	1500	1257 x 18 x 10	TRWT B 3075 D E L O O
14	10-30	3.5	42	1750	1456 x 18 x 10	TRWT B 3175 D E L O O
16	10-30	4	48	2000	1655 x 18 x 10	TRWT B 4075 D E L O O
Mid power LED (17.5W/m)						E4 10R-05 014535
3.5	10-30	0.5	6	400	240 x 18 x 10	TRWT B 0176 D E L O O
7	10-30	1	12	800	461 x 18 x 10	TRWT B 1076 D E L O O
10.5	10-30	1.5	18	1200	660 x 18 x 10	TRWT B 1176 D E L O O
14	10-30	2	24	1600	859 x 18 x 10	TRWT B 2076 D E L O O
17.5	10-30	2.5	30	2000	1058 x 18 x 10	TRWT B 2176 D E L O O
21	10-30	3	36	2400	1257 x 18 x 10	TRWT B 3076 D E L O O
24.5	10-30	3.5	42	2800	1456 x 18 x 10	TRWT B 3176 D E L O O
28	10-30	4	48	3200	1655 x 18 x 10	TRWT B 4076 D E L O O

Article number (B D E L O O choices)

B = Base	4 = Silver		
D = Diffuser	R = Resin		
E = End caps	G = Grey		
L = Light colour	1 = Natural white	2 = Cool white	
O = Option	0 = No option	1 = Touch switch	
O = Mounting	S = Screws	T = VHB tape	M = Mounting brackets ¹

¹ See page 4.30 for more information on mounting brackets.

4
Watertight surface mounted LED fittings

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Example

Article number TRWT 4 1175 R G 1 0 T results in the following article:

Surface mounted fitting 'Track WT'

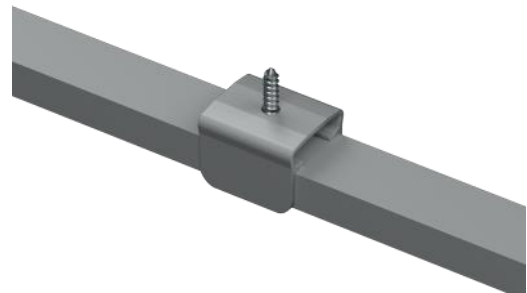
- * 660x18x10mm
- * base silver anodised
- * 1.5x12 mid power LED module
18x natural white
6W/10-30VDC (multi-volt)
light output 750 lm
- * clear resin/grey end caps
- * VHB tape assembly (already mounted)
- * cable out-coming $\pm 30\text{cm}/2\text{x}1\text{mm}^2$
- * watertight IP68

Mounting brackets

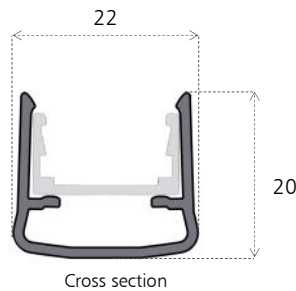
The Track WT Resin series light fittings can be mounted on any surface without the need to drill holes into the fitting. Dutch Electro offers optional mounting brackets for this purpose, to which the fitting can easily be secured. The default configuration is one bracket per 60 cm, with a minimum of 2 brackets per fitting. It is of course also possible to order separate brackets.



Article number: TR.MOUNTBRACK



Mounting example





4

Watertight surface mounted LED fittings

Properties

Fitting type	Surface mounted
Base	Aluminium silver anodised
Diffuser	Clear resin
End caps	Grey or black
Voltage range	* 12 VDC (10 - 14) or 24 VDC (22 - 28) mono-volt * 10 - 30 VDC multi-volt
Watertight	Yes (IP68 classification)
Light source	DEMCO LED modules
Light colours	* Natural white (4000K, standard colour) * Cool white (6000K) * other colours on request
Continuous lighting system possible	Yes * connectable up to 15 m on 12 VDC or 30 m on 24 VDC (6.25 W/m) * connectable up to 7.5 m on 12 VDC or 15 m on 24 VDC (12.5 W/m) * connectable up to 5.7 m on 12 VDC or 10.5 m on 24 VDC (20 W/m) * connectable up to 8.6 m on 10 - 30 VDC (10 W/m) * connectable up to 4.8 m on 10 - 30 VDC (17.5 W/m)
Switch	No
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	No
Dimmable	Option, variable dim (0 - 100%) via external PWM dimmer up to a maximum of 1000 Hz, on specified versions

From page 7.02 you will find more technical information.

Mono-voltage 6.25, 12.5 and 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
Starting module (with cable, default 30 cm)						
-	-	-	-	-	46 x 18 x 10	TRWTS B 2 D E O 9A
Connectable module (without cable), mid power LED (6.25W/m)						E4 10R-05 014100
2.5	12	1	6	275	404 x 18 x 10	TRWTC B 127 D E L O
5	12	2	12	550	804 x 18 x 10	TRWTC B 227 D E L O
7.5	12	3	18	825	1204 x 18 x 10	TRWTC B 327 D E L O
10	12	4	24	1100	1604 x 18 x 10	TRWTC B 427 D E L O
Connectable module (without cable), mid power LED (12.5W/m)						E4 10R-05 014100
5	12	1	12	550	404 x 18 x 10	TRWTC B 129 D E L O
10	12	2	24	1100	804 x 18 x 10	TRWTC B 229 D E L O
15	12	3	36	1650	1204 x 18 x 10	TRWTC B 329 D E L O
20	12	4	48	2200	1604 x 18 x 10	TRWTC B 429 D E L O
Connectable module (without cable), mid power LED (20W/m)						E4 10R-05 014100
8	12	1	12	800	404 x 18 x 10	TRWTC B 131 D E L O
16	12	2	24	1600	804 x 18 x 10	TRWTC B 231 D E L O
24	12	3	36	2400	1204 x 18 x 10	TRWTC B 331 D E L O
32	12	4	48	3200	1604 x 18 x 10	TRWTC B 431 D E L O

Please view the next page for more available versions.

Article number (B D E L O choices)

B = Base **4** = Silver

D = Diffuser **R** = Resin

E = End caps **G** = Grey **Z** = Black

L = Light colour **1** = Natural white **2** = Cool white

O = Mounting **S** = Screws **T** = VHB tape

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

Mono-voltage 6.25, 12.5 and 20W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
Starting module (with cable, default 30 cm)						
-	-	-	-	-	46 x 18 x 10	TRWTS B 2 D E O 9A
Connectable module (without cable), mid power LED (6.25W/m)						E4 10R-05 014100
2.5	24	1	6	275	404 x 18 x 10	TRWTC B 128 D E L O
5	24	2	12	550	804 x 18 x 10	TRWTC B 228 D E L O
7.5	24	3	18	825	1204 x 18 x 10	TRWTC B 328 D E L O
10	24	4	24	1100	1604 x 18 x 10	TRWTC B 428 D E L O
Connectable module (without cable), mid power LED (12.5W/m)						E4 10R-05 014100
5	24	1	12	550	404 x 18 x 10	TRWTC B 130 D E L O
10	24	2	24	1100	804 x 18 x 10	TRWTC B 230 D E L O
15	24	3	36	1650	1204 x 18 x 10	TRWTC B 330 D E L O
20	24	4	48	2200	1604 x 18 x 10	TRWTC B 430 D E L O
Connectable module (without cable), mid power LED (20W/m)						E4 10R-05 014100
8	24	1	12	800	404 x 18 x 10	TRWTC B 132 D E L O
16	24	2	24	1600	804 x 18 x 10	TRWTC B 232 D E L O
24	24	3	36	2400	1204 x 18 x 10	TRWTC B 332 D E L O
32	24	4	48	3200	1604 x 18 x 10	TRWTC B 432 D E L O

Please view the next page for more available versions.

Article number (B D E L O choices)

B = Base **4** = Silver

D = Diffuser **R** = Resin

E = End caps **G** = Grey **Z** = Black

L = Light colour **1** = Natural white **2** = Cool white

O = Mounting **S** = Screws **T** = VHB tape

The above fittings allow stepless PWM dimming (0-100%) via an external PWM dimmer (view page 6.06).

Multi-voltage 10 and 17.5W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
Starting module (with cable, default 30 cm)						
-	-	-	-	-	46 x 18 x 10	TRWTS B 2 D E O 9A
Connectable module (without cable), mid power LED (10W/m)						E4 10R-05 014535
2	10-30	0.5	6	250	204 x 18 x 10	TRWTC B 0175 D E L O
4	10-30	1	12	500	404 x 18 x 10	TRWTC B 1075 D E L O
6	10-30	1.5	18	750	604 x 18 x 10	TRWTC B 1175 D E L O
8	10-30	2	24	1000	804 x 18 x 10	TRWTC B 2075 D E L O
10	10-30	2.5	30	1250	1004 x 18 x 10	TRWTC B 2175 D E L O
12	10-30	3	36	1500	1204 x 18 x 10	TRWTC B 3075 D E L O
14	10-30	3.5	42	1750	1404 x 18 x 10	TRWTC B 3175 D E L O
16	10-30	4	48	2000	1604 x 18 x 10	TRWTC B 4075 D E L O
Connectable module (without cable), mid power LED (17.5W/m)						E4 10R-05 014535
3.5	10-30	0.5	6	400	204 x 18 x 10	TRWTC B 0176 D E L O
7	10-30	1	12	800	404 x 18 x 10	TRWTC B 1076 D E L O
10.5	10-30	1.5	18	1200	604 x 18 x 10	TRWTC B 1176 D E L O
14	10-30	2	24	1600	804 x 18 x 10	TRWTC B 2076 D E L O
17.5	10-30	2.5	30	2000	1004 x 18 x 10	TRWTC B 2176 D E L O
21	10-30	3	36	2400	1204 x 18 x 10	TRWTC B 3076 D E L O
24.5	10-30	3.5	42	2800	1404 x 18 x 10	TRWTC B 3176 D E L O
28	10-30	4	48	3200	1604 x 18 x 10	TRWTC B 4076 D E L O

Article number (B D E L O choices)

B = Base 4 = Silver

D = Diffuser R = Resin

E = End caps G = Grey Z = Black

L = Light colour 1 = Natural white 2 = Cool white

O = Mounting S = Screws T = VHB tape

Example

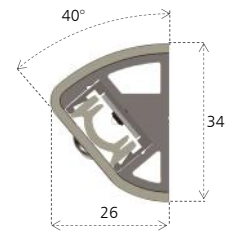
Article number TRWTC 4 131 R G 1 T results in the following article:

LED fitting 'Track WT connect'

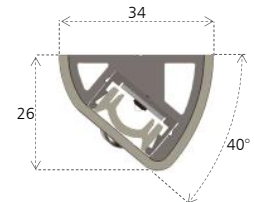
- * connectable module without cable
- * 404x18x10mm
- * base silver anodised
- * 1x12 mid power LED module
 - 12x natural white
 - 8W/12VDC (mono-volt)
 - light output 800 lm
- * clear resin/grey end caps
- * mounting via screws (not included)
- * 2 pin connector included
- * watertight IP68



Example of wall mounting



Example of ceiling mounting



Properties

Fitting type	Surface mounted
Base	Aluminium, silver or black anodised, white, yellow or red powder coated
Diffuser	Polycarbonate, clear or opaque
End caps	Polycarbonate, white, grey or black, mounted with stainless steel screws
Voltage range	* 10 - 30 VDC multi-volt
Watertight	Yes (IP66 classification)
Light source	DEMCO LED modules
Light colour	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system	Yes, custom-made fittings are possible (> approx. 1.6 meter)
Switch	No
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	No
Dimmable	No

From page 7.02 you will find more technical information.



White powder coated, opaque diffuser, white end caps



Silver anodised, opaque diffuser, grey end caps



Black anodised, opaque diffuser, black end caps





Yellow (RAL 1016) powder coated, opaque diffuser, black end caps



Red (RAL 3000) powder coated, opaque diffuser, black end caps

Multi-voltage 25 or 35W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L choices) E4 = type approval
High power LED (25W/m)						E4 10R-05 012573
4	10-30	1	3	450/550/450	260 x 34 x 26	TR40WT B 101 D E L
8	10-30	1	6	900/1100/900	409 x 34 x 26	TR40WT B 103 D E L
16	10-30	2	12	1800/2200/1800	708 x 34 x 26	TR40WT B 203 D E L
24	10-30	3	18	2700/3300/2700	1007 x 34 x 26	TR40WT B 303 D E L
32	10-30	4	24	3600/4400/3600	1306 x 34 x 26	TR40WT B 403 D E L
40	10-30	5	30	4500/5500/4500	1605 x 34 x 26	TR40WT B 503 D E L
High power LED (35W/m) 						E4 10R-05 012573
5.5	10-30	1	3	600/700/600	260 x 34 x 26	TR40WT B 125 D E L
11	10-30	1	6	1200/1400/1200	409 x 34 x 26	TR40WT B 123 D E L
22	10-30	2	12	2400/2800/2400	708 x 34 x 26	TR40WT B 223 D E L
33	10-30	3	18	3600/4200/3600	1007 x 34 x 26	TR40WT B 323 D E L
44	10-30	4	24	4800/5600/4800	1306 x 34 x 26	TR40WT B 423 D E L
55	10-30	5	30	6000/7000/6000	1605 x 34 x 26	TR40WT B 523 D E L

 Mounting on a metal base is necessary because of the heat sink of the LEDs.

Article number (B D E L choices)

B = Base	1 = White	4 = Silver	5 = Black
	6 = Yellow (RAL 1016)	7 = Red (RAL 3000)	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white

Example

Article number TR40WT 4 203 H G 2 results in the following article:

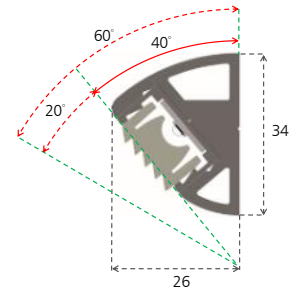
Surface mounted fitting 'Track 40 WT'

- * 708x34x26mm
- * base silver anodised
- * 2x6 high power LED module
 - 12x cool white
 - 16W/10-30VDC (multi-volt)
 - light output 2200 lm
- * clear diffuser/grey end caps
- * mounting via screws (not included)
- * cable out-coming ± 30cm/2x1mm²
- * watertight IP66

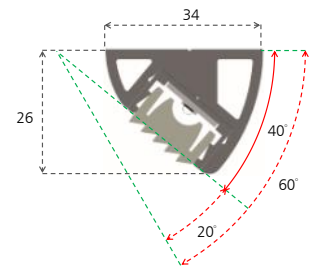
 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.



Example of wall mounting



Example of ceiling mounting



Properties

Fitting type	Surface mounted
Base	Aluminium, silver or black anodised, white, yellow or red powder coated
Diffuser	Polycarbonate, clear or opaque
End caps	Polycarbonate, white, grey or black, mounted with stainless steel screws
Voltage range	* 10 - 30 VDC multi-volt
Watertight	Yes (IP66 classification)
Light source	DEMCO LED modules
Light colour	* Natural white (4000K, standard colour) * Cool white (6000K) * Warm white (3000K) * other colours on request
Continuous lighting system	Yes, custom-made fittings are possible (> approx. 1.6 meter)
Switch	No
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	No
Dimmable	No

From page 7.02 you will find more technical information.



White powder coated, opaque diffuser, white end caps



Silver anodised, opaque diffuser, grey end caps



Black anodised, opaque diffuser, black end caps





Yellow (RAL 1016) powder coated, opaque diffuser, black end caps



Red (RAL 3000) powder coated, opaque diffuser, black end caps

Multi-voltage 25 or 35W/m, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Outside dimension (L x W x H in mm)	Article number (B D E L O choices) E4 = type approval
High power LED (25W/m)						E4 10R-05 012573
4	10-30	1	3	450/550/450	260 x 34 x 26	TR60WT B 101 D E L O
8	10-30	1	6	900/1100/900	409 x 34 x 26	TR60WT B 103 D E L O
16	10-30	2	12	1800/2200/1800	708 x 34 x 26	TR60WT B 203 D E L O
24	10-30	3	18	2700/3300/2700	1007 x 34 x 26	TR60WT B 303 D E L O
32	10-30	4	24	3600/4400/3600	1306 x 34 x 26	TR60WT B 403 D E L O
40	10-30	5	30	4500/5500/4500	1605 x 34 x 26	TR60WT B 503 D E L O
High power LED (35W/m) 						E4 10R-05 012573
5.5	10-30	1	3	600/700/600	260 x 34 x 26	TR60WT B 125 D E L O
11	10-30	1	6	1200/1400/1200	409 x 34 x 26	TR60WT B 123 D E L O
22	10-30	2	12	2400/2800/2400	708 x 34 x 26	TR60WT B 223 D E L O
33	10-30	3	18	3600/4200/3600	1007 x 34 x 26	TR60WT B 323 D E L O
44	10-30	4	24	4800/5600/4800	1306 x 34 x 26	TR60WT B 423 D E L O
55	10-30	5	30	6000/7000/6000	1605 x 34 x 26	TR60WT B 523 D E L O

 Mounting on a metal base is necessary because of the heat sink of the LEDs.

Article number (B D E L O choices)

B = Base	1 = White	4 = Silver	5 = Black
	6 = Yellow (RAL 1016)	7 = Red (RAL 3000)	
D = Diffuser	H = Clear	O = Opaque	
E = End caps	W = White	G = Grey	Z = Black
L = Light colour	1 = Natural white	2 = Cool white	3 = Warm white
O = Version	A = Cable out-coming left	B = Cable out-coming right	

(mounting examples available on page 4.42)

Example

Article number TR60WT 4 203 H G 2 A results in the following article:

Surface mounted fitting 'Track 60 WT'

- * 708x34x26mm
- * base silver anodised
- * 2x6 high power LED module
 - 12x cool white
 - 16W/10-30VDC (multi-volt)
 - light output 2200 lm
- * clear diffuser/grey end caps
- * mounting via screws (not included)
- * cable out-coming left ± 30cm/2x1 mm²
- * watertight IP66

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

Mounting examples

Horizontal
(version A, cable left)

Side view



Front view (cable out-coming on the left side)



Horizontal
(version B, cable right)

Side view






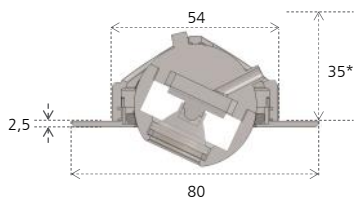
Front view (cable out-coming on the right side)



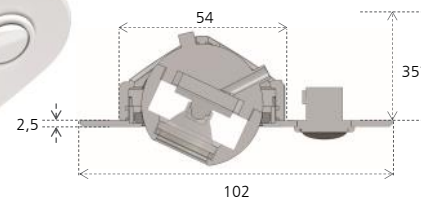
5

LED spots

-  Power LED spot (360 degrees adjustable, series 10) 5.02
-  Power LED spot (static, watertight IP66, series 11) 5.04
-  Power LED spot (tiltable in 1 direction, series 12) 5.06



* Mounting depth is 35 mm due to room for the cable



* Mounting depth is 35 mm due to room for the cable

5 LED spots

Properties

Mounting	Recessed with screws
Base	Aluminium, white, grey or black powder coated
Voltage range	* 10 - 30 VDC multi-volt
Power	2.5 Watt
Lens	* 50 ° wide light beam (standard) * 20 ° narrow light beam
Cut-out size	Ø 54 mm
Light colours	* Natural white (4000K, standard colour) * Warm white (3000K) * Cool white (6000K) * other colours on request
Switch	Option, 2 positions
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	No
Dimmable	PWM dimming via an external dim unit is possible by default up to a maximum of 1000Hz

For specific mounting instructions, please view our website: www.dutchelectro.com/downloads.
From page 7.02 you will find more technical information.

Multi-voltage, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (Ø x H in mm)	Article number (G L B O choices) E4 = type approval
High power LED (10-30 VDC)						E4 10R-05 012576
2.5	10-30	1	1	200/250/200	ø 54 x 35	LED1025 G L / B 0
High power LED (10-30 VDC) + switch						E4 10R-05 012576
2.5	10-30	1	1	200/250/200	ø 54 x 35 + ø 35 x 35	LED1025 G L / B 2


Article number (G L B O choices)

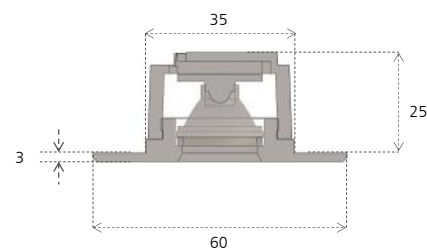
G = Degrees	50 = 50 degrees	20 = 20 degrees				
L = Light colour	NW = Natural white	CW = Cool white	WW = Warm white			
B = Base	W = White	G = Grey	Z = Black			
O = Option	0 = No option	2 = Switch, 2 positions				

Example

Article number LED1025 50 NW / W 0 results in the following article:

- Adjustable LED spot 'LED 10'
- * Ø80x35mm (cut-out size Ø54mm)
- * 1x high power LED module
 - 1x natural white
 - 2.5W/10-30VDC (multi-volt)
 - light output 200 lm
- * white housing/lens 50°
- * mounting via screws (not included)
- * wires out-coming ± 1m/2x0.35mm²

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.



5
LED spots

Properties

Mounting	Recessed with screws
Base	Aluminium, white, grey or black powder coated
Voltage range	* 10 - 30 VDC multi-volt
Watertight	Yes (IP66 classification)
Power	2.5 Watt
Lens	* 50 ° wide light beam (standard) * 20 ° narrow light beam
Cut-out size	Ø 35 mm
Light colours	* Natural white (4000K, standard colour) * Warm white (3000K) * Cool white (6000K) * other colours on request
Switch	No
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	No
Dimmable	PWM dimming via an external dim unit is possible by default up to a maximum of 1000Hz

[From page 7.02 you will find more technical information.](#)

Multi-voltage, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (Ø x H in mm)	Article number (G L B choices) E4 = type approval
High power LED (10-30 VDC)						E4 10R-05 012576
2.5	10-30	1	1	200/250/200	Ø 35 x 25	LED1125 G L / B

Article number (G L B choices)

G = Degrees	50 = 50 degrees	20 = 20 degrees		
L = Light colour	NW = Natural white	CW = Cool white	WW = Warm white	
B = Base	W = White	G = Grey	Z = Black	

Example

Article number LED1125 **50 NW / W** results in the following article:

LED spot static flange 'LED 11'

* Ø60x25mm (cut-out size Ø35mm)

* 1x high power LED module

1x natural white

2.5W/10-30VDC (multi-volt)


light output 200 lm

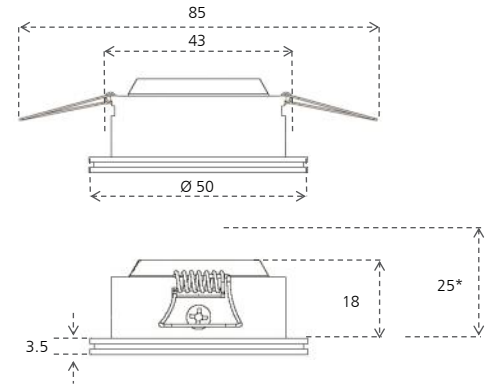
* white housing/lens 50°

* mounting via screws (not included)

* wires out-coming ± 1m/2x0.35mm²

* watertight IP66

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.



* Mounting depth is 25 mm due to room for tilting

5
LED spots

Properties

Mounting	Recessed with springs
Base	Aluminium or black
Voltage range	* 10 - 30 VDC multi-volt
Power	2.5 Watt
Lens	* 50 ° wide light beam (standard) * 20 ° narrow light beam
Cut-out size	Ø 43 mm
Light colours	* Natural white (4000K, standard colour) * Warm white (3000K) * Cool white (6000K) * other colours on request
Switch	No
Motion sensor	No (see page 6.10 for separate motion sensor)
Night light	No
Dimmable	PWM dimming via an external dim unit is possible by default up to a maximum of 1000Hz

[From page 7.02 you will find more technical information.](#)

Multi-voltage, white LEDs

Power (W)	Voltage (VDC)	Number of modules	Number of LED's (White)	Luminous flux (lm)	Recessed size (Ø x H in mm)	Article number (G L B choices) E4 = type approval
High power LED (10-30 VDC)						E4 10R-05 012576
2.5	10-30	1	1	200/250/200	Ø 43 x 25	LED1225 G L / B

Article number (G L B choices)

G = Degrees	50 = 50 degrees	20 = 20 degrees		
L = Light colour	NW = Natural white	CW = Cool white	WW = Warm white	
B = Base	A = Aluminium	Z = Black		

Example

Article number LED1225 50 NW / A results in the following article:

Tiltable LED spot 'LED 12'

- * Ø50x25mm (cut-out size Ø43mm)
- * 1x high power LED module
 - 1x natural white
 - 2.5W/10-30VDC (multi-volt)
 - light output 200 lm
- * aluminium housing/lens 50°
- * mounting with springs
- * wires out-coming ± 1m/2x0.35mm²







 It is also possible to use the 'configurator' on our website to compose the fitting of your choice.

5

LED spots

6

LED accessories

	LED drivers / converters 230 VAC - 12 VDC	6.02
	LED drivers / converters 230 VAC - 24 VDC	6.03
	Power switch 12 / 24 VDC	6.04
	PWM dimmer 12 / 24 VDC.....	6.06
	Light controller	6.08
	Motion sensor 12 / 24 VDC.....	6.10



Properties

Manufacturer	Mean Well (<100W)	Victron (> 100W)
Case	Thermoplast	Aluminium
Input voltage	100-240 VAC, 50/60 Hz	180-265 VAC, 50/60 Hz
Power	See the following table	See the following table
Output voltage	12 VDC	12 VDC
Watertight	Yes (IP67 classification)	Yes (IP67 classification)
Environment temperature	-25 °C to +70 °C	-20 °C to +60 °C

Versions

Nominal power (Watt)	Input voltage (VAC)	Output voltage (VDC)	Weight (gram)	Dimensions (L x W x H in mm)	Article number
Mean Well					
20	100-240	12	200	118 x 35 x 26	LED-DRIV/02012
35	100-240	12	347	148 x 40 x 30	LED-DRIV/03512
60	100-240	12	419	163 x 43 x 32	LED-DRIV/06012
100	100-240	12	660	190 x 52 x 37	LED-DRIV/10012
Victron					
200	180-265	12	2400	219 x 99 x 65	LED-DR/20012/S
300	180-265	12	2400	219 x 99 x 65	LED-DR/30012/S

The maximum load is 90% of the nominal power.



Properties

Manufacturer	Mean Well (<100W)	Victron (> 100W)
Case	Thermoplast	Aluminium
Input voltage	100-240 VAC, 50/60 Hz	180-265 VAC, 50/60 Hz
Power	See the following table	See the following table
Output voltage	24 VDC	24 VDC
Watertight	Yes (IP67 classification)	Yes (IP67 classification)
Environment temperature	-25 °C to +70 °C	-20 °C to +60 °C

Versions

Nominal power (Watt)	Input voltage (VAC)	Output voltage (VDC)	Weight (gram)	Dimensions (L x W x H in mm)	Article number
Mean Well					
20	100-240	24	200	118 x 35 x 26	LED-DRIV/02024
35	100-240	24	347	148 x 40 x 30	LED-DRIV/03524
60	100-240	24	419	163 x 43 x 32	LED-DRIV/06024
100	100-240	24	660	190 x 52 x 37	LED-DRIV/10024
Victron					
190	180-265	24	2400	219 x 99 x 65	LED-DR/19024/S
280	180-265	24	2400	219 x 99 x 65	LED-DR/28024/S

The maximum load is 90% of the nominal power.



6

LED accessories

Properties

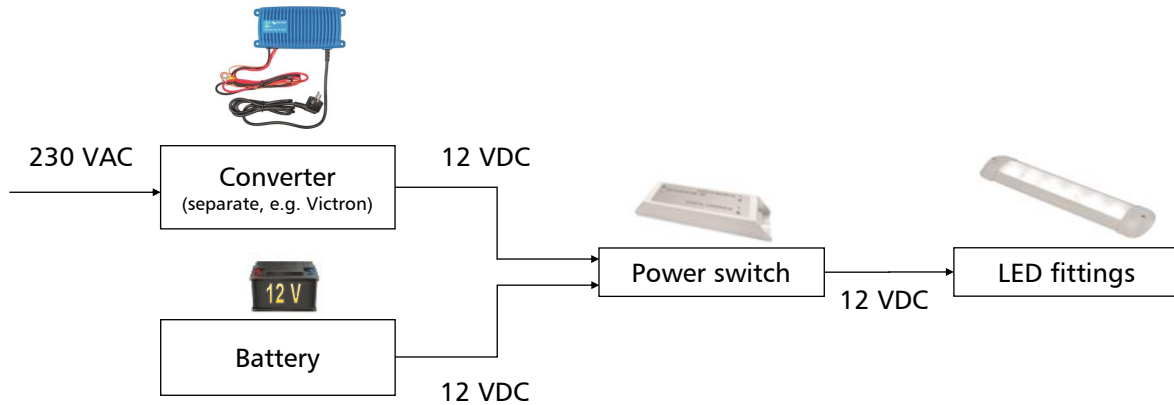
Case	Aluminium
Current	12 or 20 Ampère
Input voltage	12 or 24 VDC via external LED driver/converter 12 or 24 VDC via battery
Output voltage	12 or 24 VDC
Watertight	Option
Function	Automatic switch-over between LED driver / converter and battery

Versions standard

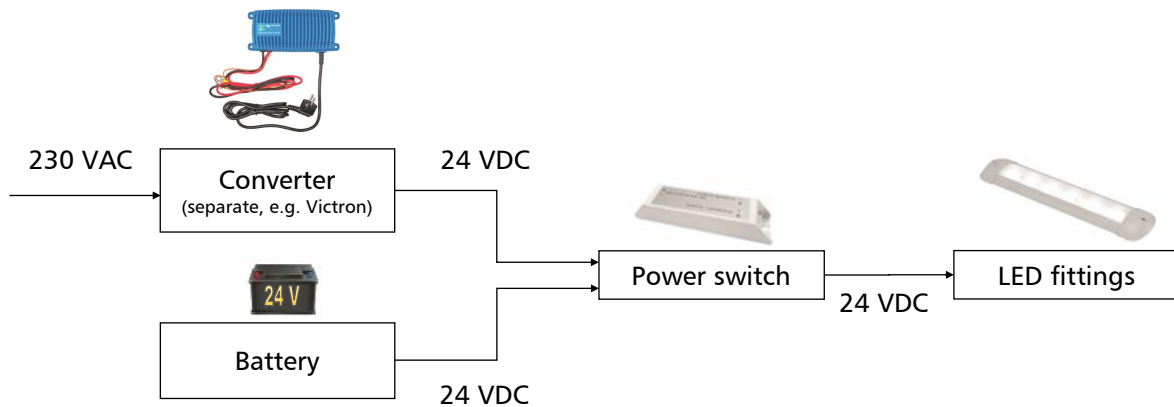
Max. current (Ampère)	Input voltage (VDC)	Output voltage (VDC)	Watertight	Dimensions (L x W x H in mm)	Article number E4 = type approval
					E4 10R-05 014103
12	12/24	12/24	No	150 x 35 x 25	H.DEM-PSW-1
20	12/24	12/24	No	150 x 35 x 25	H.DEM-PSW-2

Versions watertight

Max. current (Ampère)	Input voltage (VDC)	Output voltage (VDC)	Watertight	Dimensions (L x W x H in mm)	Article number E4 = type approval
					E4 10R-05 014103
12	12/24	12/24	Yes	165 x 35 x 32	H.DEM-PSW-3
20	12/24	12/24	Yes	165 x 35 x 32	H.DEM-PSW-4



Example 12 VDC system



Example 24 VDC system



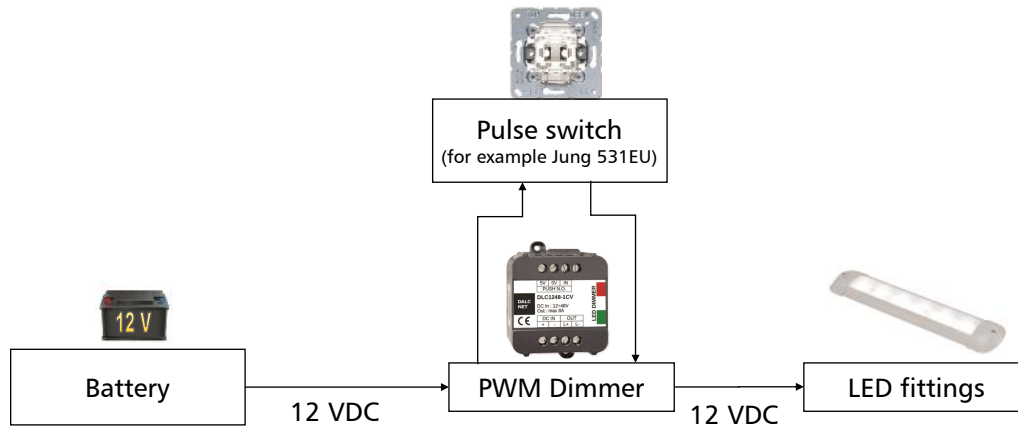
Properties

Case	Thermoplast
Current	6 Ampère
Input voltage	12 VDC or 24 VDC
Output voltage	12 VDC or 24 VDC
Nominal power	70 W at 12 VDC, 140 W at 24 VDC
Ambient temperature	-10 °C to +40 °C
Application	Dim via external push button
Dim frequency	250 Hz
Wiring	Stranded cable 1.5mm ² , maximum 10m Solid core 2.5mm ² , maximum 10m

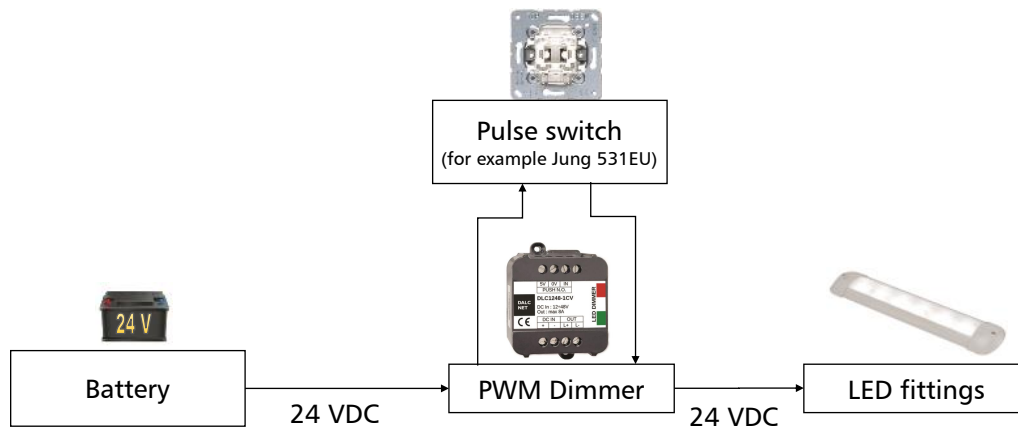
Versions

Max. current (Ampère)	Input voltage (VDC)	Output voltage (VDC)	Dim frequency	Dimensions (L x W x H in mm)	Article number
6	12/24	12/24	250 Hz	44 x 44 x 25	PWM-LEDDR_004

Contrary to what is on the casing of the dimmer, we recommend a maximum load of 6 Ampère.



Example 12 VDC application



Example 24 VDC application



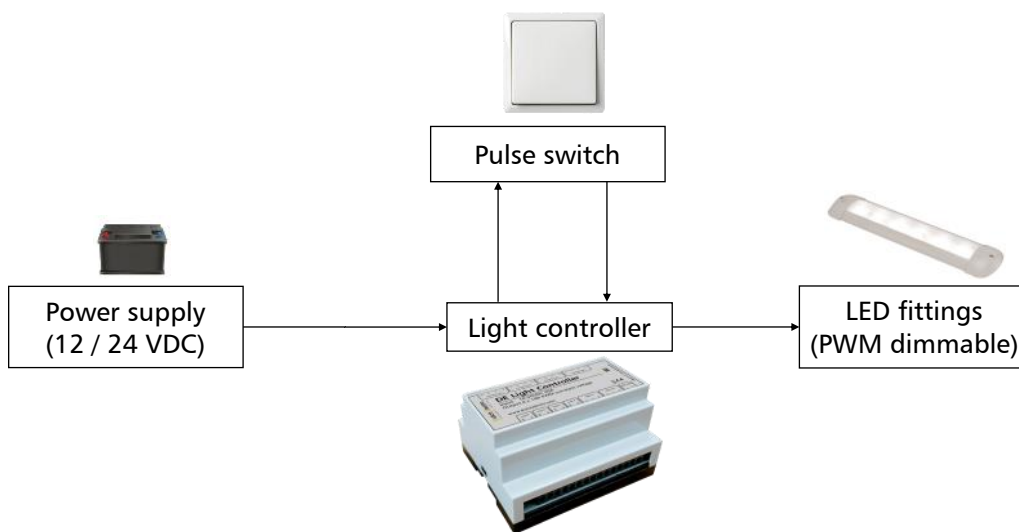
Properties

Case	Thermoplast
Application	- PWM dimming (4 channels, controlled via external pulse switch) - RGB+W ambient lighting (4 channels, controlled via DMX colour picker)
Input voltage	10 - 30 VDC
Output voltage	10 - 30 VDC
Current	40 A
Nominal power	4x 120 W at 12 VDC, 4x 240 W at 24 VDC 4x 10 A PWM constant voltage
Ambient temperature	-40 to +60°C
Dim frequency	100 Hz
Wiring	Stranded and solid core: 0.2 to 2.5mm ²

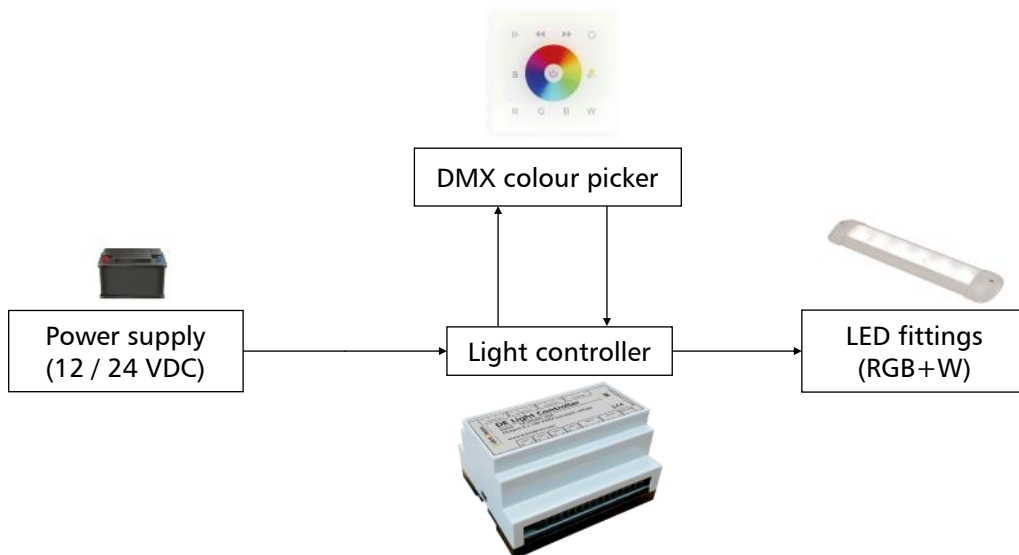
Versions

Application	Input	Output	Dimensions (L x W x H in mm)	Article number
PWM dimming	4x pulse switch	PWM 4 channels	105 x 86 x 60	DELCA4AWG00D0
RGB+W ambient lighting	1x DMX colour picker	RGB+W 4 channels	105 x 86 x 60	DELCAK0ARLWGDO

The light controller is a very versatile device with more options than listed above.
Please contact us for bespoke advice.



Example PWM dim application



Example RGB+W application



HDEM-PIR1



HDEM-PIR2

6

LED accessories

Properties

Case	Thermoplast
Current	9 Ampere
Input voltage	12 VDC or 24 VDC
Output voltage	12 VDC or 24 VDC
Nominal power	12 VDC: 100 Watt; 24 VDC; 200 Watt
Watertight	Yes
Function	A motion sensor switch based on infrared heat emission * default delay time after last detection 10 minutes * other available delay times are 15 seconds, 1 or 5 minutes
Wiring	* HDEM-PIR1: 50 cm out-coming on one side, 4x1 mm ² * HDEM-PIR2: 50 cm out-coming on both sides, 2x1 mm ²

Versions

Max. current (Ampère)	Input voltage (VDC)	Output voltage (VDC)	Watertight	Dimensions (L x W x H in mm)	Article number E4 = type approval
Wiring outcoming on one side					E4 10R-05 01402
9	12/24	12/24	Yes	50 x 35 x 20	HDEM-PIR1/WT9 O
Wiring outcoming on both sides					E4 10R-05 01402
9	12/24	12/24	Yes	50 x 35 x 20	HDEM-PIR2/WT9 O

Article number (**O** choices)

O = Delay	A = 15 seconds	E = 10 minutes (STD)
	H = 30 seconds	F = 15 minutes
	B = 1 minute	J = 20 minutes
	C = 2 minutes	G = 30 minutes
	D = 5 minutes	

7

Technical information LED

Properties of LED lighting.....	7.02
Power supply of LED fittings	7.03
Calculation of voltage loss in wiring.....	7.04
Cleaning polycarbonate diffusers on LED fittings.....	7.04
Reversed polarity protection.....	7.04

Properties of LED lighting

Application of LED light fittings for vehicle bodywork and ships

Because LEDs are resistant to jolts and vibrations, they are ideal for use in vehicle bodywork and ships. LED light fittings are smaller than fluorescent or compact lamp fittings, which means that load space and headroom can be gained. In addition, no glass is used in LEDs, so they are less likely to break than fluorescent or compact lamps. Another important advantage of Dutch Electro LED light fittings is the fact that by applying the so called 10-30 VDC multi-volt versions, the same fitting can be used for both 12 and 24 VDC and separate versions are no longer required, as they are for fluorescent or compact lamp fittings.

Light colour

Dutch Electro supplies LED lighting in various light colours, including three variants of white light:

- 'warm white' (colour temperature $\pm 3000\text{K}$, bandwidth 2900 - 3100K)
- 'natural white' (colour temperature $\pm 4000\text{K}$, bandwidth 4000 - 4200K)
- 'cool white' (colour temperature $\pm 6000\text{K}$, bandwidth 6000 - 6500K).

The colour 'warm white' corresponds to the light of halogen or incandescent lighting. 'Natural white' is comparable to the standard fluorescence colour 840, supplied with the Dutch Electro fluorescent or compact lamp fittings. 'Cool white' is a relatively cold (blue) light colour, similar to xenon light.



warm white ($\pm 3000\text{K}$) natural white ($\pm 4000\text{K}$) cool white ($\pm 6000\text{K}$)

As well as LEDs with white light, we also supply red, green or blue LEDs.

Colour rendering

In addition to the light colour, the colour rendering (CRI or Ra value) of LEDs is another important characteristic to consider. The colour rendering of light sources is a measure of the quality with which colours are rendered. An incandescent light bulb has perfect colour rendering of nearly 100%, while a colour 33 fluorescent tube has a relatively poor colour rendering of 60%. Dutch Electro LEDs have a colour rendering comparable to the fluorescent or compact lamps in the Philips 800 series (Ra value 80% minimum).

Lifetime

The lifetime of LED lighting is very high and is a minimum of 50,000 hours. This lifetime is 5 to 10 times more than that of fluorescent or compact lamps. The lifetime of LEDs is usually specified for a Lumen Maintenance value of 70% (L70 value). This value relates to the number of hours that the LED can operate until it loses 30% of its original light output. The lifetime of a minimum of 50,000 hours for Dutch Electro LED light fittings can only be guaranteed if the LEDs are mounted in an aluminium Dutch Electro housing. In these housings, the heat of the LEDs can be conducted away via the aluminium, ensuring optimum thermal management.

LED light fittings on 230 VAC

Dutch Electro LED light fittings are suitable for 12 or 24 VDC as standard. However, with a special LED driver they can also be used with 230 VAC power supply. For the LED spotlights, a dimmable LED driver is also available, allowing a continuous variable operation from 0 - 100%.

Operating temperature LED light fittings

The operating temperature for the LED light fittings is in the range of $-40\text{ }^{\circ}\text{C}$ and $+50\text{ }^{\circ}\text{C}$. Should the ambient temperature become more than $+50\text{ }^{\circ}\text{C}$, then the automatic regulation on our LED modules prevents the modules from becoming overheated. The current will be reduced and the light output will be lowered. As soon as the ambient temperature returns within the range of $-40\text{ }^{\circ}\text{C}$ and $+50\text{ }^{\circ}\text{C}$, the LED light fittings will function at maximum light output again.

Light output lamps

The Lumen per watt ratio of a common light bulb is approximately 10 Lumen per Watt. The largest part of the energy consumption is converted into heat! Only 5% is converted into light!

Fluorescent tubes and compact lamps generate less heat. The Lumen per Watt ratio of a PLS11 Watt compact lamp at room temperature is 80 Lumen per Watt.

With power LEDs the light output is even higher; up to 40% of the energy consumption is converted into light. The Dutch Electro power LEDs have a Lumen per Watt ratio of 100 to 120 Lumen per Watt. This means that this type of LEDs is even more efficient than PLS or PLL compact lamps.

Power supply of LED fittings

Battery chargers

Dutch Electro light fittings must to be connected to a DC power supply (12 or 24 VDC). The DC power needs to be drawn from either a battery or a AC to DC power converter. Problems often occur when the DC power is drawn directly from a "regular" battery charger and without the battery being connected. In that situation peak voltages can damage the electronics. Therefore a battery charger should always be connected to the battery, and never directly to the light fittings. The battery operates as a capacitor and levels off peak voltages of the battery charger.

Peak voltage

All LED light fittings must be connected directly to the battery via a separate power cable. Other "consumers" may not be connected to this power cable, in order to avoid peak voltages (inducted voltage). Peak voltages are hazardous to the electronics and decrease the life time of LED light fittings. Therefore the electric circuits of lighting and other "consumers" such as tail lifts always are to be separated.

Low voltage

LED lights also operate at low voltage, so below their nominal voltage. With 12 VDC batteries the voltage may drop to a maximum of 10 VDC and with 24 VDC batteries the voltage may drop to about 22 VDC without problems for the LEDs. Low voltage problems for instance occur when:

- bad or broken batteries and/or alternators;
- vehicles such as market vans with very low driving distances and where the lighting is operated for a long time, without the battery being charged in a proper way because the engine doesn't run enough;
- electric circuits with too thin power cables (see calculation of power loss in a cable on the next page).

Charge voltage

In vehicles the charge voltage of a battery is normally delivered through an alternator. This charge voltage is not a problem for Dutch Electro LED lights which are connected to the battery. The charge voltage of 12 VDC batteries normally is about 14 VDC and the charge voltage of 24 VDC batteries is about 28 VDC.

Calculation of voltage loss in wiring

Voltage loss can be caused by wiring that is too thin.

In case of a high voltage loss, the fittings will operate on insufficient voltage.

The maximum voltage loss should not exceed 5%.

Voltage loss in a copper cable can be calculated as follows:

$$\frac{2 \times \text{distance between battery and fittings (in meters)} \times \text{factor } 0.0175}{\text{Cable diameter in mm}^2} \times \text{amperage (combined total of all lamps)} = \text{voltage loss}$$

In a 12 VDC installation, the maximum affordable voltage loss is 5% of 12 VDC = 0.6 VDC and in a 24 VDC installation the maximum affordable voltage loss is 5% of 24 VDC = 1.2 VDC.

Example: A truck with 10 fittings of 1.5 Ampère each, distance to battery 15 meter, cable 2.5 mm² has a voltage loss of

$$\frac{2 \times 15 \times 0.0175}{2.5} \times (10 \times 1.5) = 3.15 \text{ VDC.}$$

In this example a thicker cable or multiple cables will have to be used, since the voltage loss should not exceed 5%.

Cleaning polycarbonate diffusers on LED fittings

Dutch Electro LED fittings are, in general, equipped with polycarbonate diffusers.

These diffusers need to be cleaned in the following order:

- *Dusting*
Dust with a soft, damp cloth or chamois. Dry or gritty cloths may cause surface scratches and create a static electric charge on the surface of the polycarbonate diffusers.
- *Lukewarm cleaning*
Clean polycarbonate diffusers with mild soap and lukewarm water. Use a clean soft cloth, applying only light pressure. Rinse with clean water and dry by blotting with a damp cloth or chamois.
- *Do not apply*
Window cleaning sprays, kitchen scouring compounds or solvents such as acetone, gasoline, alcohol, oils, carbon tetrachloride or lacquer thinner or any substance that is not compatible with these polycarbonate diffusers. These can scratch the surface and / or weaken the products causing small surface cracks called 'crazing'.

Reverse polarity protection

All Dutch Electro LED modules are protected against reversed polarity. If the positive and negative leads are connected to the wrong terminal, the fitting will not function, but the built in protection will prevent it from getting damaged. Once the positive and negative leads are connected correctly, the fitting will function accordingly.

8

Certificates

E4-10R05/01	
...*2573*00 (3 & 6 high power LED multi-volt)	8.02
...*2574*00 (3 & 6 high power LED multi-volt, round).....	8.05
...*2575*00 (6 & 12 mid power LED multi-volt)	8.08
...*2576*00 (1 high power LED multi-volt, round)	8.11
...*2577*00 (21 & 27 mid power LED multi-volt).....	8.14
...*4099*00 (24 mid power LED mono-volt, round).....	8.17
...*4100*00 (12 mid power LED mono-volt)	8.20
...*4101*00 (3 & 6 high power LED multi-volt, round unearthed)....	8.23
...*4102*00 (Motion sensor)	8.26
...*4103*00 (Power switch)	8.29
...*4104*00 (36 & 45 mid power LED mono-volt).....	8.32
...*4322*00 (Nova LED panels).....	8.35
...*4345*00 (12 mid power LED multi-volt)	8.38
 ISO 9001:2015	 8.41

For the other certificates, please visit our website
www.dutchelectro.com
 (IP tests, ADR certification and low temperature tests)



Division Vehicle Regulation & Admission

THE NETHERLANDS
(N E D E R L A N D)



COMMUNICATION

Concerning ⁽¹⁾:

- approval granted
- ~~approval extended~~
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

of a type of ~~electrical~~/electronic sub-assembly ⁽¹⁾ with regard to Regulation number 10.

Approval number: E4*10R05/01*2573*00

Correction: 01

- | | | |
|------|---|--|
| 1. | Make (trade name of manufacturer) | : Dutch Electro / DEMCO |
| 2. | Type and general commercial description(s) | : Luminaires with LED module, 6 power LEDS, L6260 |
| 3. | Means of identification of type, if marked on the vehicle /component/ separate technical unit ⁽¹⁾ | : None |
| 3.1. | Location of that marking | : On Housing |
| 4. | Category of vehicle | : Not applicable |
| 5. | Name and address of manufacturer | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |
| 6. | In the case of components and separate technical units, location and method of affixing of the approval mark | : On housing, using adhesive label/ impressed in the housing |



P.O. Box 777
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www.rdw.nl



Type-approval Department

EMC-component R10-05 v6.00

Page 1 of 3

Approval number: E4*10R05/01*2573*00

Correction: 01

7. Address(es) of assembly plant(s) : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands
8. Additional information (where applicable) : see Appendix
9. Technical service responsible for carrying out the tests : DEKRA Certification B.V.
P.O. Box 5185
6802 ED Arnhem
the Netherlands
10. Date of test report : 18 May 2015
11. Number of test report : 2154652.0502-EMC
12. Remarks (if any) : see Appendix
13. Place : Zoetermeer
14. Date : 12-NOV-2018
15. Signature : 

L. Vellekoop
16. The index to the information package lodged with the approval authority, which may be obtained on request, is attached.
17. Reasons for extension : Correction on supplement number of regulation

⁽¹⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4*10R05/01*2573*00 Correction: 01

concerning the type-approval of an ~~electrical~~/electronic sub-assembly⁽¹⁾ under Regulation number 10.

- | | | | |
|--------|--|---|--|
| 1. | Additional information | : | |
| 1.1. | Electrical system rated voltage | : | 12/24V pos./neg. ground ⁽¹⁾ |
| 1.2. | This ESA can be used on any vehicle type with the following restrictions | : | None |
| 1.2.1. | Installation conditions, if any | : | None |
| 1.3. | This ESA can be used only on the following vehicle types | : | No restrictions |
| 1.3.1. | Installation conditions, if any | : | None |
| 1.4. | The specific test method(s) used and the frequency ranges covered to determine immunity were | : | N/A, ESA is not immunity related |
| 1.5. | Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests | : | DEKRA Certification B.V.
P.O. Box 5185
6802 ED Arnhem
The Netherlands |
| 2. | Remarks | : | None |





RDW

Vehicle Technology Division



THE NETHERLANDS
(N E D E R L A N D)



COMMUNICATION

Concerning ⁽¹⁾:

- approval granted
- ~~approval extended~~
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

of a type of electrical/electronic sub-assembly ⁽¹⁾ with regard to Regulation number 10.

Approval number: E4-10R05/01*2574*00

Extension number:

- | | | |
|------|---|---|
| 1. | Make (trade name of manufacturer) | : Dutch Electro / DEMCO |
| 2. | Type and general commercial description(s) | : Type 1: DIRE1104O100 (LED fitting Disc 1x3 high power LED) with ESA L6274 which has now been renamed into PX020305NN.

Type 2: DIRE1104O140 (LED fitting Disc 1x3 high power LED incl. night light) with ESA L6274 which has now been renamed into PX020305NX.

Type 3: DIRE1105O140 (LED fitting Disc 1x6 high power LED incl. night light) with ESA L6264 which has now been renamed into PX020608NX. |
| 3. | Means of identification of type, if marked on the vehicle/component/ separate technical unit ⁽¹⁾ | : None |
| 3.1. | Location of that marking | : On Housing |
| 4. | Category of vehicle | : Not applicable |




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Vehicle Approval and Information

Approval number: E4*10R05/01*2574*00

Extension number:

- | | | |
|-----|---|--|
| 5. | Name and address of manufacturer | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |
| 6. | In the case of components and separate technical units, location and method of affixing of the approval mark | : On housing, using adhesive label / impressed in the housing |
| 7. | Address(es) of assembly plant(s) | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |
| 8. | Additional information (where applicable) | : see Appendix |
| 9. | Technical service responsible for carrying out the tests | : DEKRA Certification B.V.
P.O. Box 5185,
6802 ED, Arnhem
the Netherlands |
| 10. | Date of test report | : 18 May 2015 |
| 11. | Number of test report | : 2154652.0502-EMC |
| 12. | Remarks (if any) | : see Appendix |
| 13. | Place | : Zoetermeer |
| 14. | Date | : 28 August 2019 |
| 15. | Signature | : 
L. Vellekoop |
| 16. | The index to the information package lodged with the approval authority, which may be obtained on request, is attached. | |
| 17. | Reasons for extension | : NA |

⁽¹⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4*10R05/01*2574*00, Extension number:
concerning the type-approval of an ~~electrical~~/electronic sub-assembly⁽¹⁾ under Regulation number 10.

- | | | | |
|--------|--|---|--|
| 1. | Additional information | : | |
| 1.1. | Electrical system rated voltage | : | 10/30 VDC (multi-voltage), pos./neg. 2 ground ⁽¹⁾ |
| 1.2. | This ESA can be used on any vehicle type with the following restrictions | : | None |
| 1.2.1. | Installation conditions, if any | : | None |
| 1.3. | This ESA can be used only on the following vehicle types | : | No restrictions |
| 1.3.1. | Installation conditions, if any | : | None |
| 1.4. | The specific test method(s) used and the frequency ranges covered to determine immunity were | : | N/A, ESA is not immunity related |
| 1.5. | Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests | : | DEKRA Certification B.V.
P.O. Box 5185
6802 ED Arnhem
The Netherlands |
| 2. | Remarks | : | None |

⁽¹⁾ Strike out what does not apply.





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Vehicle Technology Division

THE NETHERLANDS
(N E D E R L A N D)



COMMUNICATION

Concerning ⁽¹⁾:

- approval granted
- ~~approval extended~~
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

of a type of ~~electrical~~/electronic sub-assembly ⁽¹⁾ with regard to Regulation number 10.

Approval number: E4-10R05/01*2575*00

Extension number:

- | | | |
|------|---|--|
| 1. | Make (trade name of manufacturer) | : Dutch Electro / DEMCO |
| 2. | Type and general commercial description(s) | : Type 1: MAV1108OW100 (LED fitting Micro Avenue 1x6 mid power LED) with ESA L6226 which has now been renamed into PX520622NN.

Type 2: MAV1107OW100 (LED fitting Micro Avenue 1x12 mid power LED) with ESA L6267 which has now been renamed into PX521245NN.

Type 3: MAV1607OW100 (LED fitting Micro Avenue 6x12 mid power LED) with ESA L6267 which has now been renamed into PX521245NN. |
| 3. | Means of identification of type, if marked on the vehicle /component/ separate technical unit ⁽¹⁾ | : None |
| 3.1. | Location of that marking | : On Housing |
| 4. | Category of vehicle | : Not applicable |
| 5. | Name and address of manufacturer | : Dutch Electro B.V.
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Vehicle Approval and Information

Approval number: E4-10R05/01*2575*00

Extension number:

- | | | |
|-----|---|--|
| 6. | In the case of components and separate technical units, location and method of affixing of the approval mark | : On housing, using adhesive label / impressed in the housing |
| 7. | Address(es) of assembly plant(s) | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |
| 8. | Additional information (where applicable) | : see Appendix |
| 9. | Technical service responsible for carrying out the tests | : DEKRA Certification B.V.
P.O. Box 5185,
6802 ED, Arnhem
the Netherlands |
| 10. | Date of test report | : 18 May 2015 |
| 11. | Number of test report | : 2154652.0502-EMC |
| 12. | Remarks (if any) | : see Appendix |
| 13. | Place | : Zoetermeer |
| 14. | Date | : 28 August 2019 |
| 15. | Signature | : |
| 16. | The index to the information package lodged with the approval authority, which may be obtained on request, is attached. | |
| 17. | Reasons for extension | : NA |




L. Vellekoop

⁽¹⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4-10R05/01*2575*00, Extension number:

concerning the type-approval of an ~~electrical~~/electronic sub-assembly⁽¹⁾ under Regulation number 10.

- | | | | |
|--------|--|---|--|
| 1. | Additional information | : | |
| 1.1. | Electrical system rated voltage | : | 10/30 VDC (multi-voltage), pos./neg.-2 ground ⁽¹⁾ |
| 1.2. | This ESA can be used on any vehicle type with the following restrictions | : | None |
| 1.2.1. | Installation conditions, if any | : | None |
| 1.3. | This ESA can be used only on the following vehicle types | : | No restrictions |
| 1.3.1. | Installation conditions, if any | : | None |
| 1.4. | The specific test method(s) used and the frequency ranges covered to determine immunity were | : | N/A, ESA is not immunity related |
| 1.5. | Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests | : | DEKRA Certification B.V.
P.O. Box 5185
6802 ED Arnhem
The Netherlands |
| 2. | Remarks | : | None |

⁽¹⁾ Strike out what does not apply.





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THE NETHERLANDS
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COMMUNICATION

Concerning ⁽¹⁾:

- approval granted
- ~~approval extended~~
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

of a type of electrical/electronic sub-assembly ⁽¹⁾ with regard to Regulation number 10.

Approval number: E4-10R05/01*2576*00

Extension number:

- | | | |
|------|---|---|
| 1. | Make (trade name of manufacturer) | : Dutch Electro / DEMCO |
| 2. | Type and general commercial description(s) | : LED102550NW/W0 (Adjustable LED spot 'LED 10' 1x high power LED) with ESA L4039, which has now been renamed into PX400125NN. |
| 3. | Means of identification of type, if marked on the vehicle /component/ separate technical unit ⁽¹⁾ | : None |
| 3.1. | Location of that marking | : On Housing |
| 4. | Category of vehicle | : Not applicable |
| 5. | Name and address of manufacturer | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |
| 6. | In the case of components and separate technical units, location and method of affixing of the approval mark | : On housing, using adhesive label / impressed in the housing |
| 7. | Address(es) of assembly plant(s) | : Dutch Electro B.V.
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Vehicle Approval and Information



Approval number: E4-10R05/01*2576*00

Extension number:

8. Additional information (where applicable) : see Appendix
9. Technical service responsible for carrying out the tests : DEKRA Certification B.V.
P.O. Box 5185,
6802 ED, Arnhem
the Netherlands
10. Date of test report : 18 May 2015
11. Number of test report : 2154652.0502-EMC
12. Remarks (if any) : see Appendix
13. Place : Zoetermeer
14. Date : 28 August 2019
15. Signature :



L. Vellekoop

16. The index to the information package lodged with the approval authority, which may be obtained on request, is attached.
17. Resons for extension : NA

⁽¹⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4-10R05/01*2576*00, Extension number:
concerning the type-approval of an ~~electrical~~/electronic sub-assembly⁽¹⁾ under Regulation number 10.

- | | | | |
|--------|--|---|--|
| 1. | Additional information | : | |
| 1.1. | Electrical system rated voltage | : | 10/30 VDC (multi-voltage), pos./neg.-ground ⁽¹⁾ |
| 1.2. | This ESA can be used on any vehicle type with the following restrictions | : | None |
| 1.2.1. | Installation conditions, if any | : | None |
| 1.3. | This ESA can be used only on the following vehicle types | : | No restrictions |
| 1.3.1. | Installation conditions, if any | : | None |
| 1.4. | The specific test method(s) used and the frequency ranges covered to determine immunity were | : | N/A, ESA is not immunity related |
| 1.5. | Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests | : | DEKRA Certification B.V.
P.O. Box 5185
6802 ED Arnhem
The Netherlands |
| 2. | Remarks | : | None |

⁽¹⁾ Strike out what does not apply.





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Vehicle Technology Division



THE NETHERLANDS
(N E D E R L A N D)



COMMUNICATION

Concerning ⁽¹⁾:

- approval granted
- ~~approval extended~~
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

of a type of ~~electrical~~/electronic sub-assembly ⁽¹⁾ with regard to Regulation number 10.

Approval number: E4-10R05/01*2577*00 cor.01

Extension number:

1. Make (trade name of manufacturer) : Dutch Electro / DEMCO
2. Type and general commercial description(s)
 - : Type 1: CA28.710/W renamed into CA281109OW140 (LED fitting Canal 28 1x27mid power LED) with ESA L6224 which has now been renamed into PX29BA75VX.
 - Type 2: CA28.LE.0295 (LED fitting Canal 28 5x27 mid power LED) with ESA L6224 which has now been renamed into PX29BA75VX.
3. Means of identification of type, if marked on the ~~vehicle~~ component/ separate technical unit ⁽¹⁾ : None
 - 3.1. Location of that marking : On Housing
4. Category of vehicle : Not applicable
5. Name and address of manufacturer : Dutch Electro B.V.
Horselstraat 11
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Vehicle Approval and Information



Approval number: E4-10R05/01*2577*00 cor. 01

Extension number:

- | | | | |
|-----|---|---|--|
| 6. | In the case of components and separate technical units, location and method of affixing of the approval mark | : | On housing, using adhesive label / impressed in the housing |
| 7. | Address(es) of assembly plant(s) | : | Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |
| 8. | Additional information (where applicable) | : | see Appendix |
| 9. | Technical service responsible for carrying out the tests | : | DEKRA Certification B.V.
P.O. Box 5185,
6802 ED, Arnhem
the Netherlands |
| 10. | Date of test report | : | 18 May 2015 |
| 11. | Number of test report | : | 2154652.0502-EMC |
| 12. | Remarks (if any) | : | see Appendix |
| 13. | Place | : | Zoetermeer |
| 14. | Date | : | 28 August 2019 |
| 15. | Signature | : | 

L. Vellekoop |
| 16. | The index to the information package lodged with the approval authority, which may be obtained on request, is attached. | | |
| 17. | Reasons for extension | : | NA |

⁽¹⁾ Strike out what does not apply.

APPENDIX

**to type-approval communication form number: E4-10R05/01*2577*00 cor.01,
Extension number: --**

concerning the type-approval of an ~~electrical~~/electronic sub-assembly ⁽¹⁾ under Regulation number 10.

- | | | | |
|--------|--|---|--|
| 1. | Additional information | : | |
| 1.1. | Electrical system rated voltage | : | 10/30 VDC (multi-voltage), pos/neg-2-ground ⁽¹⁾ |
| 1.2. | This ESA can be used on any vehicle type with the following restrictions | : | None |
| 1.2.1. | Installation conditions, if any | : | None |
| 1.3. | This ESA can be used only on the following vehicle types | : | No restrictions |
| 1.3.1. | Installation conditions, if any | : | None |
| 1.4. | The specific test method(s) used and the frequency ranges covered to determine immunity were | : | N/A, ESA is not immunity related |
| 1.5. | Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests | : | DEKRA Certification B.V.
P.O. Box 5185
6802 ED Arnhem
The Netherlands |
| 2. | Remarks | : | None |

⁽¹⁾ Strike out what does not apply.





Vehicle Technology Division

THE NETHERLANDS
(NEDERLAND)



COMMUNICATION

Concerning⁽¹⁾:

- approval granted
- ~~approval extended~~
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

of a type of ~~electrical~~/electronic sub-assembly⁽¹⁾ with regard to Regulation number 10.

Approval number: E4*10R05/01*4099*00

Extension number:

- | | | |
|------|---|--|
| 1. | Make (trade name of manufacturer) | : Dutch Electro B.V. |
| 2. | Type and general commercial description(s) | : LED light fitting DISC SU 24 mid power LED
12 or 24 VDC mono-volt with ESA
PN472412NN1200 (12VDC) and ESA
PN532412NN1200 (24VDC). |
| 3. | Means of identification of type, if marked on the vehicle /component/
separate technical unit ⁽¹⁾ | : Adhesive Label |
| 3.1. | Location of that marking | : On housing of Product |
| 4. | Category of vehicle | : All |
| 5. | Name and address of manufacturer | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |
| 6. | In the case of components and separate technical units, location and method of affixing of the approval mark | : Adhesive Label |
| 7. | Address(es) of assembly plant(s) | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |

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Vehicle Admission & Surveillance





EMC-component R10-05 v6.00

Page 1 of 3

Approval number: E4*10R05/01*4099*00

Extension number:

- | | | |
|-----|---|--|
| 8. | Additional information (where applicable) | : See Appendix below |
| 9. | Technical service responsible for carrying out the tests | : TÜV Rheinland Nederland B.V.
Eiberkamp 10
9351 VT Leek
The Netherlands |
| 10. | Date of test report | : October 15, 2018 |
| 11. | Number of test report | : 17112709.a02 |
| 12. | Remarks (if any) | : see Appendix |
| 13. | Place | : Zoetermeer |
| 14. | Date | : 16-NOV-2018 |
| 15. | Signature | : 

L. Vellekoop |
| 16. | The index to the information package lodged with the approval authority, which may be obtained on request, is attached. | |
| 17. | Reasons for extension | : Not applicable |

⁰⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4*10R05/01*4099*00, Extension number:
concerning the type-approval of an ~~electrical~~/electronic sub-assembly⁽¹⁾ under Regulation number 10.

- | | | |
|--------|--|---|
| 1. | Additional information | : - |
| 1.1. | Electrical system rated voltage | : 12 and 24V positive negative ground ⁽¹⁾ |
| 1.2. | This ESA can be used on any vehicle type with the following restrictions | : None |
| 1.2.1. | Installation conditions, if any | : Not Applicable |
| 1.3. | This ESA can be used only on the following vehicle types | : All |
| 1.3.1. | Installation conditions, if any | : Not Applicable |
| 1.4. | The specific test method(s) used and the frequency ranges covered to determine immunity were | : ESA Not Safety Related. Immunity Tests not applicable |
| 1.5. | Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests | : TÜV Rheinland Nederland B.V.
Eiberkamp 10
9351 VT Leek
The Netherlands |
| 2. | Remarks | : Attached to this Type Approval:
Application form
1 Annex 2B form
1 EMC Testreport
Photo's
BOM's
Schematic Diagrams
PCB Layouts |

⁽¹⁾ Strike out what does not apply.





Vehicle Technology Division

THE NETHERLANDS
(N E D E R L A N D)



COMMUNICATION

Concerning ⁽¹⁾:

- approval granted
- ~~approval extended~~
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

of a type of electrical/electronic sub-assembly ⁽¹⁾ with regard to Regulation number 10.

Approval number: E4*10R05/01*4100*00

Extension number:

- | | | |
|------|---|---|
| 1. | Make (trade name of manufacturer) | : Dutch Electro B.V. |
| 2. | Type and general commercial description(s) | : LED light fitting Track 12 mid power LED 12 or 24VDC mono-volt with ESA PN271208NN770 and ESA PN261208NN770, Type TR43131OG10 (12VDC) and TR43132OG10 (24VDC) |
| 3. | Means of identification of type, if marked on the vehicle/component/
separate technical unit ⁽¹⁾ | : Adhesive Label |
| 3.1. | Location of that marking | : On housing of Product |
| 4. | Category of vehicle | : All |
| 5. | Name and address of manufacturer | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |
| 6. | In the case of components and separate technical units, location and method of affixing of the approval mark | : Adhesive Label |
| 7. | Address(es) of assembly plant(s) | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
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The Netherlands

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E-mail ttv@rdw.nl
www.rdw.nl

Vehicle Admission & Surveillance



EMC-component R10-05 v6.00

Page 1 of 3

Approval number: E4*10R05/01*4100*00

Extension number:

- | | | |
|-----|--|---|
| 8. | Additional information (where applicable) | : See Appendix below |
| 9. | Technical service responsible for carrying out the tests | : TÜV Rheinland Nederland B.V.
Eiberkamp 10
9351 VT Leek
The Netherlands |
| 10. | Date of test report | : May 15, 2018 |
| 11. | Number of test report | : 17112710.a02 |
| 12. | Remarks (if any) | : see Appendix |
| 13. | Place | : Zoetermeer |
| 14. | Date | : 16-NOV-2018 |
| 15. | Signature | : |



L. Vellekoop



- | | | |
|-----|---|------------------|
| 16. | The index to the information package lodged with the approval authority, which may be obtained on request, is attached. | |
| 17. | Reasons for extension | : Not applicable |

⁽¹⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4*10R05/01*4100*00, Extension number:

concerning the type-approval of an ~~electrical~~/electronic sub-assembly⁽¹⁾ under Regulation number 10.

- | | | |
|--------|--|---|
| 1. | Additional information | : - |
| 1.1. | Electrical system rated voltage | : 12 and 24V positive/ negative ground ⁽¹⁾ |
| 1.2. | This ESA can be used on any vehicle type with the following restrictions | : None |
| 1.2.1. | Installation conditions, if any | : Not Applicable |
| 1.3. | This ESA can be used only on the following vehicle types | : All |
| 1.3.1. | Installation conditions, if any | : Not Applicable |
| 1.4. | The specific test method(s) used and the frequency ranges covered to determine immunity were | : ESA Not Safety Related. Immunity Tests not applicable |
| 1.5. | Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests | : TÜV Rheinland Nederland B.V.
Eiberkamp 10
9351 VT Leek
The Netherlands |
| 2. | Remarks | : Attached to this Type Approval:
Application form
1 Annex 2B form
1 EMC Testreport
Photo's
BOM's
Schematic Diagrams
PCB Layouts |

⁽¹⁾ Strike out what does not apply.





Vehicle Technology Division

THE NETHERLANDS
(N E D E R L A N D)



COMMUNICATION

Concerning ⁽¹⁾:

- approval granted
- ~~approval extended~~
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

of a type of ~~electrical~~/electronic sub-assembly ⁽¹⁾ with regard to Regulation number 10.

Approval number: E4*10R05/01*4101*00

Extension number:

- | | | |
|------|--|---|
| 1. | Make (trade name of manufacturer) | : Dutch Electro B.V. |
| 2. | Type and general commercial description(s) | : LED light fitting DISC SU 6 high power LED 10-30VDC multi-volt, negative ground, with ESA PW250611DR1200. |
| 3. | Means of identification of type, if marked on the vehicle /component/
separate technical unit | : Adhesive Label |
| 3.1. | Location of that marking | : On housing of Product |
| 4. | Category of vehicle | : All |
| 5. | Name and address of manufacturer | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |
| 6. | In the case of components and separate technical units, location and method of affixing of the approval mark | : Adhesive Label |
| 7. | Address(es) of assembly plant(s) | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |

P.O. Box 777
2700 AT Zoetermeer
The Netherlands

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E-mail ttv@rdw.nl
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Vehicle Admission & Surveillance




EMC-component R10-05 v6.00

Page 1 of 3

Approval number: E4*10R05/01*4101*00

Extension number:

- | | | |
|-----|---|---|
| 8. | Additional information (where applicable) | : See Appendix below |
| 9. | Technical service responsible for carrying out the tests | : TÜV Rheinland Nederland B.V.
Eiberkamp 10
9351 VT Leek
The Netherlands |
| 10. | Date of test report | : October 10, 2018 |
| 11. | Number of test report | : 17112705.a02 |
| 12. | Remarks (if any) | : see Appendix |
| 13. | Place | : Zoetermeer |
| 14. | Date | : 11-DEC-2018 |
| 15. | Signature | : 

L. Vellekoop |
| 16. | The index to the information package lodged with the approval authority, which may be obtained on request, is attached. | |
| 17. | Reasons for extension | : Not applicable |

⁽¹⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4*10R05/01*4101*00, Extension number:
concerning the type-approval of an ~~electrical~~/electronic sub-assembly⁽¹⁾ under Regulation number 10.

- | | | |
|--------|--|---|
| 1. | Additional information | : - |
| 1.1. | Electrical system rated voltage | : 12 and 24V positive / negative ground |
| 1.2. | This ESA can be used on any vehicle type with the following restrictions | : None |
| 1.2.1. | Installation conditions, if any | : Not Applicable |
| 1.3. | This ESA can be used only on the following vehicle types | : All |
| 1.3.1. | Installation conditions, if any | : Not Applicable |
| 1.4. | The specific test method(s) used and the frequency ranges covered to determine immunity were | : ESA Not Safety Related. Immunity Tests not applicable |
| 1.5. | Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests | : TÜV Rheinland Nederland B.V.
Eiberkamp 10
9351 VT Leek
The Netherlands |
| 2. | Remarks | : Attached to this Type Approval:
Application form
1 Annex 2B form
1 EMC Testreport
Photo's
BOM's
Schematic Diagrams
PCB Layouts |





Vehicle Technology Division

THE NETHERLANDS
(N E D E R L A N D)



COMMUNICATION

Concerning ⁽¹⁾:

- approval granted
- ~~approval extended~~
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

of a type of ~~electrical~~/electronic sub-assembly ⁽¹⁾ with regard to Regulation number 10.

Approval number: E4*10R05/01*4102*00

Extension number:

- | | | |
|------|---|---|
| 1. | Make (trade name of manufacturer) | : Dutch Electro B.V. |
| 2. | Type and general commercial description(s) | : HDEM-PIR1/WT9B
(Separate LED accessory motion sensor in housing 10-30VDC multi-volt with ESA PIRP9ABR003-B7) |
| 3. | Means of identification of type, if marked on the vehicle /component/
separate technical unit ⁽¹⁾ | : Adhesive Label |
| 3.1. | Location of that marking | : On housing of Product |
| 4. | Category of vehicle | : All |
| 5. | Name and address of manufacturer | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |
| 6. | In the case of components and separate technical units, location and method of affixing of the approval mark | : Adhesive Label |
| 7. | Address(es) of assembly plant(s) | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |



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Vehicle Admission & Surveillance

EMC-component R10-05 v6.00

Page 1 of 3

Approval number: E4*10R05/01*4102*00

Extension number:

- 8. Additional information (where applicable) : See Appendix below
- 9. Technical service responsible for carrying out the tests : TÜV Rheinland Nederland B.V.
Eiberkamp 10
9351 VT Leek
The Netherlands
- 10. Date of test report : May 15, 2018
- 11. Number of test report : 17112712.a01
- 12. Remarks (if any) : see Appendix
- 13. Place : Zoetermeer
- 14. Date : 10-DEC-2018
- 15. Signature :



L. Vellekoop

- 16. The index to the information package lodged with the approval authority, which may be obtained on request, is attached.
- 17. Reasons for extension : Not applicable

⁽¹⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4*10R05/01*4102*00, Extension number:

concerning the type-approval of an ~~electrical~~/electronic sub-assembly⁽¹⁾ under Regulation number 10.

- | | | |
|--------|--|---|
| 1. | Additional information | : - |
| 1.1. | Electrical system rated voltage | : 12 and 24V positive/ negative ground |
| 1.2. | This ESA can be used on any vehicle type with the following restrictions | : None |
| 1.2.1. | Installation conditions, if any | : Not Applicable |
| 1.3. | This ESA can be used only on the following vehicle types | : All |
| 1.3.1. | Installation conditions, if any | : Not Applicable |
| 1.4. | The specific test method(s) used and the frequency ranges covered to determine immunity were | : ESA Not Safety Related. Immunity Tests not applicable |
| 1.5. | Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests | : TÜV Rheinland Nederland B.V.
Eiberkamp 10
9351 VT Leek
The Netherlands |
| 2. | Remarks | : Attached to this Type Approval:
Application form
1 Annex 2B form
1 EMC Testreport
Photo's
BOM's
Schematic Diagrams
PCB Layouts |





Vehicle Technology Division

THE NETHERLANDS
(N E D E R L A N D)



COMMUNICATION

Concerning ⁽¹⁾:

- approval granted
- ~~approval extended~~
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

of a type of ~~electrical~~/electronic sub-assembly ⁽¹⁾ with regard to Regulation number 10.

Approval number: E4*10R05/01*4103*00

Extension number:

- | | | |
|------|---|---|
| 1. | Make (trade name of manufacturer) | : Dutch Electro B.V. |
| 2. | Type and general commercial description(s) | : H.DEM-PSW-2 (Separate LED accessory power switch in housing 10-30VDC multi-volt with ESA PSW20REV001) |
| 3. | Means of identification of type, if marked on the vehicle /component/
separate technical unit ⁽¹⁾ | : Adhesive Label |
| 3.1. | Location of that marking | : On housing of Product |
| 4. | Category of vehicle | : All |
| 5. | Name and address of manufacturer | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |
| 6. | In the case of components and separate technical units, location and method of affixing of the approval mark | : Adhesive Label |
| 7. | Address(es) of assembly plant(s) | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |



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Vehicle Admission & Surveillance

EMC-component R10-05 v6.00

Page 1 of 3

Approval number: E4*10R05/01*4103*00

Extension number:

8. Additional information (where applicable) : See Appendix below
9. Technical service responsible for carrying out the tests : TÜV Rheinland Nederland B.V.
Eiberkamp 10
9351 VT Leek
The Netherlands
10. Date of test report : May 15, 2018
11. Number of test report : 17112713.a01
12. Remarks (if any) : see Appendix
13. Place : Zoetermeer
14. Date : 19-SEP-2018
15. Signature :



R.F.R. Clement

16. The index to the information package lodged with the approval authority, which may be obtained on request, is attached.
17. Reasons for extension : Not applicable

⁽¹⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4*10R05/01*4103*00, Extension number:
concerning the type-approval of an ~~electrical~~/electronic sub-assembly⁽¹⁾ under Regulation number 10.

- | | | |
|--------|--|---|
| 1. | Additional information | : - |
| 1.1. | Electrical system rated voltage | : 12/24 V DC Un-earthed ⁽¹⁾ |
| 1.2. | This ESA can be used on any vehicle type with the following restrictions | : None |
| 1.2.1. | Installation conditions, if any | : Not Applicable |
| 1.3. | This ESA can be used only on the following vehicle types | : All |
| 1.3.1. | Installation conditions, if any | : Not Applicable |
| 1.4. | The specific test method(s) used and the frequency ranges covered to determine immunity were | : ESA Not Safety Related. Immunity Tests not applicable |
| 1.5. | Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests | : TÜV Rheinland Nederland B.V.
Eiberkamp 10
9351 VT Leek
The Netherlands |
| 2. | Remarks | : Attached to this Type Approval:
Application form
1 Annex 2B form
1 EMC Testreport
Photo's
BOM's
Schematic Diagrams
PCB Layouts |

⁽¹⁾ Strike out what does not apply.





Vehicle Technology Division

THE NETHERLANDS
(NEDERLAND)



COMMUNICATION

Concerning⁽¹⁾:

- approval granted
- ~~approval extended~~
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

of a type of ~~electrical~~/electronic sub-assembly⁽¹⁾ with regard to Regulation number 10.

Approval number: E4*10R05/01*4104*00

Extension number:

- | | | |
|------|---|--|
| 1. | Make (trade name of manufacturer) | : Dutch Electro B.V. |
| 2. | Type and general commercial description(s) | : MAV.LE.0361 (12VDC) and MAV.LE.0362 (24 VDC) (LED light fitting Micro Avenue 45 mid power LED 12 or 24 VDC mono-volt with ESA PN553623PB and ESA PN593623PB) |
| 3. | Means of identification of type, if marked on the vehicle /component/
separate technical unit ⁽¹⁾ | : Adhesive Label |
| 3.1. | Location of that marking | : On housing of Product |
| 4. | Category of vehicle | : All |
| 5. | Name and address of manufacturer | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |
| 6. | In the case of components and separate technical units, location and method of affixing of the approval mark | : Adhesive Label |
| 7. | Address(es) of assembly plant(s) | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |



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Vehicle Admission & Surveillance

EMC-component R10-05 v6.00

Page 1 of 3

Approval number: E4*10R05/01*4104*00

Extension number:

- | | | |
|-----|--|---|
| 8. | Additional information (where applicable) | : See Appendix below |
| 9. | Technical service responsible for carrying out the tests | : TÜV Rheinland Nederland B.V.
Eiberkamp 10
9351 VT Leek
The Netherlands |
| 10. | Date of test report | : May 15, 2018 |
| 11. | Number of test report | : 17112711.a02 |
| 12. | Remarks (if any) | : see Appendix |
| 13. | Place | : Zoetermeer |
| 14. | Date | : 05-NOV-2018 |
| 15. | Signature | : |



L. Vellekoop

- | | | |
|-----|---|------------------|
| 16. | The index to the information package lodged with the approval authority, which may be obtained on request, is attached. | |
| 17. | Reasons for extension | : Not applicable |

⁰⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4*10R05/01*4104*00, Extension number:

concerning the type-approval of an ~~electrical~~/electronic sub-assembly⁽¹⁾ under Regulation number 10.

- | | | |
|--------|--|---|
| 1. | Additional information | : - |
| 1.1. | Electrical system rated voltage | : 12 and 24V positive negative ground ⁽¹⁾ |
| 1.2. | This ESA can be used on any vehicle type with the following restrictions | : None |
| 1.2.1. | Installation conditions, if any | : Not Applicable |
| 1.3. | This ESA can be used only on the following vehicle types | : All |
| 1.3.1. | Installation conditions, if any | : Not Applicable |
| 1.4. | The specific test method(s) used and the frequency ranges covered to determine immunity were | : ESA Not Safety Related. Immunity Tests not applicable |
| 1.5. | Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests | : TÜV Rheinland Nederland B.V.
Eiberkamp 10
9351 VT Leek
The Netherlands |
| 2. | Remarks | : Attached to this Type Approval:
Application form
1 Annex 2B form
1 EMC Testreport
Photo's
BOM's
Schematic Diagrams
PCB Layouts |

⁽¹⁾ Strike out what does not apply.





Division Vehicle Regulation & Admission

THE NETHERLANDS
(N E D E R L A N D)



COMMUNICATION

Concerning ⁽¹⁾:

- approval granted
- ~~approval extended~~
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

of a type of ~~electrical~~/electronic sub-assembly ⁽¹⁾ with regard to Regulation number 10.

Approval number: E4*10R05/01*4322*00

- | | | |
|------|--|---|
| 1. | Make (trade name of manufacturer) | : Dutch Electro |
| 2. | Type and general commercial description(s) | : NV11072OW140 (LED fitting Nova 35 mid power LED 10-30VDC multi-volt) with ESA PD66BA95VNX and ESA PN6727XXXB. |
| 3. | Means of identification of type, if marked on the vehicle /component/
separate technical unit | : Adhesive Label |
| 3.1. | Location of that marking | : On housing |
| 4. | Category of vehicle | : All |
| 5. | Name and address of manufacturer | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |
| 6. | In the case of components and separate technical units, location and method of affixing of the approval mark | : Adhesive Label |

P.O. Box 777
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Type-approval Department



EMC-component R10-05 v6.00

Page 1 of 3

Approval number: E4*10R05/01*4322*00

- | | | |
|-----|---|--|
| 7. | Address(es) of assembly plant(s) | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |
| 8. | Additional information (where applicable) | : see Appendix below |
| 9. | Technical service responsible for carrying out the tests | : TÜV Rheinland Nederland B.V.
Eiberkamp 10
9351 VT Leek
The Netherlands |
| 10. | Date of test report | : May 6, 2019 |
| 11. | Number of test report | : 18122004.a01 |
| 12. | Remarks (if any) | : see Appendix |
| 13. | Place | : Zoetermeer |
| 14. | Date | : 14 May 2019 |
| 15. | Signature | : 

L. Vellekoop |
| 16. | The index to the information package lodged with the approval authority, which may be obtained on request, is attached. | |
| 17. | Reasons for extension | : Not applicable |

⁽¹⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4*10R05/01*4322*00

concerning the type-approval of an ~~electrical~~/electronic sub-assembly under Regulation number 10.

- | | | |
|--------|--|--|
| 1. | Additional information | : See attached documentation |
| 1.1. | Electrical system rated voltage | : 10 - 30 VDC. pos./neg. ground |
| 1.2. | This ESA can be used on any vehicle type with the following restrictions | : None |
| 1.2.1. | Installation conditions, if any | : None |
| 1.3. | This ESA can be used only on the following vehicle types | : All |
| 1.3.1. | Installation conditions, if any | : None |
| 1.4. | The specific test method(s) used and the frequency ranges covered to determine immunity were | : Product is Not Safety Related. No RF Radiated Immunity Tests Required |
| 1.5. | Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests | : TÜV Rheinland Nederland B.V.
Eiberkamp 10
9351 VT Leek
The Netherlands |
| 2. | Remarks [SDS4] | : Valid for construction in all types of vehicles
Attached to this Type Approval are:
Application form
1 Annex 2B form
1 EMC Testreport
Photo's
BOM's
Schematic Diagrams
PCB Layouts |



Division Vehicle Regulation & Admission

THE NETHERLANDS
(N E D E R L A N D)



COMMUNICATION

Concerning ⁽¹⁾:

- approval granted
- ~~approval extended~~
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

of a type of ~~electrical~~/electronic sub-assembly ⁽¹⁾ with regard to Regulation number 10.

Approval number: E4*10R05/01*4535*00

- | | | |
|------|---|---|
| 1. | Make (trade name of manufacturer) | : Dutch Electro B.V. |
| 2. | Type and general commercial description(s) | : TR4xxxxxxxxxxx with ESA PNxxxxxxxxx
Description: LED fitting TR40 3,5x12 mid power 10-30VDC |
| 3. | Means of identification of type, if marked on the vehicle /component/
separate technical unit ⁽¹⁾ | : - TR4013174OW10 with ESA PN681207DN
(LED fitting TR40 3,5x12 mid power LED 10-30VDC 2-step dimmable 30/100%)

- TR4043176OG10 with ESA PN771207NN
(LED fitting TR40 3,5x12 mid power LED 10-30VDC PWM dimmable via external device) |
| 3.1. | Location of that marking | : Rear side of housing |
| 4. | Category of vehicle | : All |
| 5. | Name and address of manufacturer | : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands |



Type-approval Department



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2700 AT Zoetermeer
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EMC-component R10-05 v6.00

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Approval number: E4*10R05/01*4535*00

6. In the case of components and separate technical units, location and method of affixing of the approval mark : Adhesive label on rear side of housing
7. Address(es) of assembly plant(s) : Dutch Electro B.V.
Horselstraat 11
6361 HC Nuth
The Netherlands
8. Additional information (where applicable) : see Appendix below
9. Technical service responsible for carrying out the tests : TÜV Rheinland Nederland B.V.
Eiberkamp 10
9351 VT Leek
The Netherlands
10. Date of test report : 11-03-2020
11. Number of test report : 20010801.a01 and 20010801.a02
12. Remarks (if any) : see Appendix
13. Place : Zoetermeer
14. Date : 01 April 2020
15. Signature : 

L. Vellekoop
16. The index to the information package lodged with the approval authority, which may be obtained on request, is attached.
17. Reasons for extension : Not Applicable

⁽¹⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4*10R05/01*4535*00

concerning the type-approval of an ~~electrical~~ electronic sub-assembly⁽¹⁾ under Regulation number 10.

- | | | |
|--------|--|--|
| 1. | Additional information | : - |
| 1.1. | Electrical system rated voltage | : 12 V or 24 V DC Un-Earthed |
| 1.2. | This ESA can be used on any vehicle type with the following restrictions | : None |
| 1.2.1. | Installation conditions, if any | : Not Applicable |
| 1.3. | This ESA can be used only on the following vehicle types | : All |
| 1.3.1. | Installation conditions, if any | : Not Applicable |
| 1.4. | The specific test method(s) used and the frequency ranges covered to determine immunity were | : ESA is Not Safety Related. Radiated Immunity Tests not applicable |
| 1.5. | Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests | : TÜV Rheinland Nederland B.V.
Eiberkamp 10
9351 VT Leek
The Netherlands |
| 2. | Remarks | : Attached to this Type Approval:
Application form
1 Annex 2B form
1 EMC Test report
Photo's
BOM's
Schematic Diagrams
PCB Layouts |

BUREAU VERITAS



Certification

Awarded to

Dutch Electro BV

Horselstraat 11, 6361 HC Nuth, The Netherlands

Bureau Veritas Inspection and Certification The Netherlands B.V.
declares that the **Quality Management System** of the above
organisation has been audited and found to be in accordance with the
requirements of the management system standards detailed below.

Standard

ISO 9001:2015

Scope of supply

Development and manufacturing of interior lighting systems
for the commercial vehicle industry.

Original cycle start date:	23 December 2003
Expiry date of previous cycle:	14 September 2018
Certification / Recertification Audit date:	29 and 30 August 2018
Certification / Recertification cycle start date:	14 September 2018

Subject to the continued satisfactory operation of the organization's Management System, this certificate is valid until: **14 September 2021**

Certificate No: **NL019641** Version: **1** Revision date: **19 September 2018**

Marius Rodenburg
Operations Director Inspection and Certification NL

Kantoor beheer: Bureau Veritas Inspection & Certification The Netherlands B.V.,
Computerweg 2, 3821 AB Amersfoort, The Netherlands
Kantoor uitgifte: Bureau Veritas Inspection & Certification The Netherlands B.V.,
Computerweg 2, 3821 AB Amersfoort, The Netherlands



8

Certificates

9

Delivery conditions

Delivery conditions.....9.03

9

Delivery conditions

Article 1 Applicability

- 1.1 In these general terms and conditions of sale and delivery the following terms will have the following meaning:
- "Dutch Electro": Dutch Electro BV, registered in the Dutch Trade Register under number 14045755, and/or its affiliated companies;
 - "product" or "products": products or other things offered or delivered by Dutch Electro, in any case including lighting fittings and ballasts for the automotive sector.
 - "service" or "services": services provided by Dutch Electro, such as giving advice about and contributing to the development of custom-made products;
 - "purchaser": the (potential) purchaser of the products and/or services of Dutch Electro.
- 1.2 These conditions apply to all offers of Dutch Electro, to all agreements concluded with Dutch Electro and to all other legal relationships between parties. These general terms and conditions therefore also integrally apply to any amendments to the agreement and new agreements between parties.
- 1.3 These terms and conditions apply to the exclusion of possible general terms and conditions (of purchase) used by the (potential) purchaser.

Article 2 Offers, commissions and agreements

- 2.1 All offers of Dutch Electro are subject to confirmation. Commissions and acceptance of offers by the purchaser are irrevocable.
- 2.2 Dutch Electro will not be bound until it has confirmed the order to the purchaser in writing or until it has started with the execution.
- 2.3 The purchaser must inform Dutch Electro of any inaccuracies in the order confirmation of Dutch Electro in writing within 5 working days after the date of the order confirmation, in the absence of which the order confirmation is deemed to provide a correct and complete picture of the agreement and the purchaser is bound thereto.
- 2.4 Oral commitments or arrangements by or with its personnel will not bind Dutch Electro until it has confirmed this in writing.

Article 3 Information and conformity

- 3.1 Statements in offers and agreements are approximate only and are not binding, just like samples and designs only serve as indications. Therefore, deviations may arise in dimensions, colours, quality, performances and other characteristics of products, for example caused by converting dimensions into inches under the metric system. Deviations do not apply as shortcomings.
- 3.2 The purchaser guarantees the accuracy, completeness and reliability of the information and data provided by or on behalf of it to Dutch Electro. Dutch Electro will not be obliged to execute the agreement until the purchaser has provided the information and data required by Dutch Electro in fairness.
- 3.3 The purchaser must verify that the products it ordered and the associated packaging and other information comply with the provisions thereto laid down by the authorities in the country of destination. The use of the products and the conformity with the provisions laid down by the authorities is for the risk of the purchaser.

Article 4 Intellectual property and confidentiality

- 4.1 All intellectual property rights with regard to all products and services of Dutch Electro and its names and with regard to everything that Dutch Electro develops, manufactures or provides, including packaging, manuals, promotional material and images, accrue to and are vested in Dutch Electro. The purchaser undertakes, upon Dutch Electro's first request, to cooperate with transfer insofar as any principal's copyright or design right should accrue to the purchaser.
- 4.2 The purchaser can only use, offer, sell and deliver the products under the trademark and/or logo and in the packaging that Dutch Electro or its supplier assigned to the products and in conformity with the further guidelines given by it at this point.
- 4.3 The purchaser undertakes to observe confidentiality vis-à-vis third parties with regard to the content of the agreement including all annexes and all information and knowhow obtained through Dutch Electro with regard to the agreement in the broadest sense of the word.

Article 5 Prices

- 5.1 Prices provided by or agreed with Dutch Electro are excluding transfer, excluding VAT and other taxes and excluding travel and accommodation expenses and other expenses, unless expressly stated otherwise.
- 5.2 If price-determining factors change after the offer and/or the conclusion of an agreement, Dutch Electro is entitled to adjust the prices to that effect.
- 5.3 If currency changes take place after the offer and/or the conclusion of an agreement due to which agreed prices are higher in Euros, Dutch Electro is entitled to charge that increase to the purchaser.
- 5.4 If Dutch Electro takes on services without a price having been expressly established in the order confirmation/ agreement, it is entitled to charge a reasonable compensation for it to the purchaser.

Article 6 Delivery time and terms

- 6.1 The delivery time and terms stated by and agreed with Dutch Electro are approximate and cannot be regarded as final deadlines. Exceeding that term will not oblige Dutch Electro to compensation of damage and does not give the purchaser the right not to fulfil or suspend the obligations arising from the agreement.

- 6.2 The delivery time is based on the working conditions applicable at the time of the conclusion of the agreement and on timely delivery of the things required by Dutch Electro for the performance of the agreement. If a delay arises as a consequence of a change in working conditions and/or the untimely delivery of things required by Dutch Electro, the delivery time will be extended insofar as necessary.

Article 7 Delivery of products

- 7.1 Delivery is made Ex Works Nuth NL (ICC Incoterms 2010) unless stated otherwise in writing.
- 7.2 Should any product ordered by the purchaser not (or no longer) be available, or at least within a reasonable term, Dutch Electro will deliver a product that is similar to the product that was ordered for the same price, if this is reasonably possible.
- 7.3 If the purchaser does not receive the products, or if it does not pick it up or have it picked up, the products will be stored for the account and risk of the purchaser as long as Dutch Electro deems it desirable. Dutch Electro is in this case at all times entitled to either claim the performance of the agreement, or to terminate or have the agreement terminated, all this without prejudice to its rights to compensation of the damage suffered and loss of profits, including the costs of the storage.
- 7.4 Dutch Electro is not obliged to honour a request of the purchaser to redeliver. If Dutch Electro does decide to do so, the affiliated costs will be for the account of the purchaser.
- 7.5 Dutch Electro is entitled to execute an agreement in parts and to claim payment of that part of the agreement that was executed.

Article 8 Services

- 8.1 Dutch Electro determines the manner in which and which person(s) carry out the services, but will take the wishes of the purchaser into account as much as possible.
- 8.2 The purchaser is liable for all damage as a consequence of loss, theft or damaging of tools, materials and other things of (employees of) Dutch Electro that are located on the site where the activities are carried out.
- 8.3 The purchase is responsible for the drawing and calculations made by or on behalf of it and for the suitability of the materials prescribed by it.
- 8.4 The commission is deemed to be executed/finished, if (i) the purchaser has approved the activities, (ii) the thing, to which the activities have been carried out, has been put into use by the purchaser in whole or in part, (iii) Dutch Electro has informed the purchaser in writing that the activities have been completed and the purchaser does not object against that in writing within 5 working days after said notification, or (iv) the purchaser does not approve the activities based on small defects or missing parts which can be repaired or redelivered within 30 days and which do not stand in the way of taking the thing into use.

Article 9 Exclusions

- 9.1 Activities by Dutch Electro with regard to an investigation into and/or repair of defects or malfunction, which are caused by ordinary wear and tear, improper use or by not observing the directions, regulations or (replacement) advice given by Dutch Electro, or which are caused by the (defective functioning of) equipment, software or other products of the purchaser or third parties, by the defective functioning of the line voltage, telecommunications or network facilities, by vandalism or by other causes not attributable to Dutch Electro, will be compensated by the purchaser based on the tariffs applicable at Dutch Electro at that time.
- 9.2 Activities by Dutch Electro to equipment older than 12 months will be compensated by the purchaser based on the tariffs applicable at Dutch Electro at that time.

Article 10 Force majeure

- 10.1 If Dutch Electro is prevented from fulfilling the agreement due to force majeure, it is entitled to suspend the execution of the agreement or to terminate it at its own discretion if it will not be able to fulfil the agreement due to force majeure within eight weeks. In that case, the purchaser is not entitled to compensation of damage, costs or interest.
- 10.2 Force majeure is also taken to mean: fire, flooding, accidents or sickness of personnel, operational failure, stagnation in the transport, problems during production or transport and untimely delivery of things or services by third parties hired by Dutch Electro.
- 10.3 If Dutch Electro partially fulfilled its obligations when the force majeure situation takes effect, or can only partially fulfil its obligations, it is authorised to separately invoice the part that was delivered and/or can be delivered and the purchaser is obliged to pay this invoice as if it concerned a separate agreement.

Article 11 Defects and complaint

- 11.1 If any defects might occur in the products or services as a consequence of manufacturing or material defects or errors in the activities, Dutch Electro will repair the defects, replace or redeliver the specific products of services or apply a reasonable price reduction, all of this at the discretion and exclusively at the assessment of Dutch Electro. This guarantee does not apply for the compatibility of the products and only during the period of the maker's guarantee of the supplier of Dutch Electro or, if no maker's guarantee applies of Dutch Electro's supplier, during 24 months after the production date as stated on the sticker of Dutch Electro on the product in the case of TL and PL fixtures and during 36 months after the production date as stated on the sticker of Dutch Electro on the product in the case of LED fixtures.

- 11.2 Not covered by the guarantee are at any rate defects occurring in or (also) resulting from (i) ordinary wear and tear, (ii) the failure on the part of (personnel of) the purchaser to observe instructions given by Dutch Electro or stated on packaging or in user manuals, (iii) use other than the ordinary use foreseen, (iv) improper safekeeping, maintenance or use of the products, (v) the using or reselling of the products in a state other than the original state, (vi) based on designs, drawings or other directions of the purchaser on custom-manufactured and supplied products, (vii) vandalism, weather conditions or other external cause, or (viii) concern a defect in the TL or PL lamp itself. Dutch Electro will not be liable for (damage as a consequence of) these defects.
- 11.3 Also not covered by the guarantee are defects in products of which the purchaser before or upon entering into the agreement was enabled to test the products and the defects could already have been detected by the purchaser during those tests.
- 11.4 The purchaser must accurately inspect the delivered products and services immediately after receipt. Any complaint with regard to the quantity of delivered products and transport damage must be reported to Dutch Electro in writing within two working days after delivery, in the absence of which the roadway bill or delivery note provide conclusive proof against the purchaser of the fact that the proper quantity of products were received and that these products were received free of transport damage.
- 11.5 The purchaser must submit any complaints about the products or services or the execution of the agreement in writing and in a reasoned manner with Dutch Electro within 14 days after the purchaser discovered or should reasonably have discovered the defects. Untimely filing of complaints will lead to forfeiture of all rights in that context.
- 11.6 If the purchaser files any complaints, it is obliged to give Dutch Electro the opportunity to carry out an inspection in order to establish the shortcoming. The purchaser will be obliged to keep the products in respect of which complaints were made available to Dutch Electro, subject to forfeiture of rights. Dutch Electro does not compensate assembly costs, travel and accommodation costs, compensation of damage or other costs made by the purchaser without Dutch Electro (i) being given the opportunity to carry out an inspection and (ii) purchaser has given written permission in advance for making the costs.
- 11.7 Returns to Dutch Electro of sold products is only allowed after obtaining express prior written permission and receipt of an RMA number of Dutch Electro. The transfer and all related costs are for the account of the purchaser. The products will at all times remain for the account and risk of the purchaser.
- 11.8 Any defects regarding a part of the delivered products do not give the purchaser any right to reject or refuse the entire consignment of delivered products.
- 11.9 The purchaser must inform Dutch Electro in writing of any inaccuracies in invoices of Dutch Electro within 10 days after the invoice date, in the absence of which the purchaser is deemed to have approved the invoice.
- 11.10 Complaints will not suspend the purchaser's payment obligations.

Article 12 Liability

- 12.1 Outside of the provisions of article 11, the purchaser is in no way entitled to Dutch Electro due to defects in or with regard to the products delivered or services provided by Dutch Electro.
- 12.2 Dutch Electro is never liable for personal injury and damage to property, immaterial loss, consequential damage (including loss of income, business interruption loss etc.) and other indirect damage, caused by whatever reason, unless it concerns a case of intent or wilful recklessness of Dutch Electro.
- 12.3 Moreover, Dutch Electro is not fully liable for acts or omissions of its employee or other persons that fall within its control.
- 12.4 Damage to products caused by damaging or destruction of packaging is for the account and risk of the purchaser.
- 12.5 Any advice, recommendations and information given by Dutch Electro are without obligation and are given without any warranty. Dutch Electro is not liable for any direct or indirect damage arising from information provision and/or provision of advice.
- 12.6 In all cases wherein Dutch Electro is obliged to pay damages, such payment will never exceed the invoice value (excluding VAT) of the delivered products or services in relation to which damage was caused, with a maximum of EUR 25,000. If damage is covered by the business liability insurance of Dutch Electro, the compensation of damage will never exceed the sum that is actually paid in the specific case by the insurance company.
- 12.7 Each claim on Dutch Electro, unless it has been recognized by Dutch Electro, will lapse by the mere expiry of 12 months after the claim arises.
- 12.8 The purchaser will indemnify Dutch Electro against claims of third parties, including employees of Dutch Electro, which suffer damage as a consequence of the incorrectness or incompleteness of the information provided by or on behalf of purchaser and/or unsafe situations in its company or organization.

Article 13 Retention of title and security

- 13.1 Dutch Electro retains the ownership of the delivered products and the products to be delivered, until all of its claims regarding products and services delivered by virtue of the agreement have been entirely met by the purchaser, including the claims due to failure in the fulfilment thereof.
- 13.2 If the purchaser is in default of fulfilling his obligations, Dutch Electro is entitled to reclaim the products belonging to it from the location where they are situated at the expense of the purchaser.
- 13.3 The purchaser is not entitled to pledge the products that have not been paid yet or to transfer the ownership thereof. This clause excludes the transferability of the purchaser's rights of claim as referred to in art. 3:83 paragraph 2 DCCP.

- 13.4 The purchaser is obliged to keep the products delivered under retention of title with the necessary care and clearly recognisable as the property of Dutch Electro.
- 13.5 Dutch Electro has a right of pledge and a right of retention to all things and documents which Dutch Electro has at its disposal or will obtain, for all claims it has or might have on the purchaser. The purchaser is not entitled vis-à-vis Dutch Electro to any right of retention to the products delivered by Dutch Electro.

Article 14 Payment

- 14.1 Unless agreed otherwise in writing, payment of the invoices of Dutch Electro must be made without suspension or settlement and within 30 days after the invoice date.
- 14.2 Dutch Electro is at all times entitled to claim full or partial advance payment and/or to obtain security for payment in another manner.
- 14.3 If payment is not received in time, the purchaser owes an interest compensation of two (2) % per month over the invoice amount without further notice of default, calculated from the due date of the invoice until the day of full payment.
- 14.4 All costs related to the collection are for the account of the purchaser. The extrajudicial collection costs will be determined based on the Extrajudicial Collection Costs (Fees) Decree.
- 14.5 The purchaser waives any entitlement to settlement of mutually indebted sums. Dutch Electro is always authorized to set-off all that it owes to the purchaser, against what the Purchaser owes to Dutch Electro, either or not due and payable.
- 14.6 The complete invoice amount is - without further notice of default - immediately due and payable in full in case of the late payment of an agreed instalment on the due date, also in case the purchaser goes bankrupt or applies for a (temporary) moratorium of payment.

Article 15 Cancellation

- 15.1 The purchaser cannot cancel a given order, unless Dutch Electro agrees because the order has not yet been put into production.

Article 16 Representation

- 16.1 If the purchaser acts on behalf of one or more other parties, it is liable vis-à-vis Dutch Electro as if it were purchaser, without prejudice to the liability of the other parties.

Article 17 Final provisions

- 17.1 The nullity or voidability of any provision of these conditions or of agreements that are subject to these conditions does not affect the validity of the remaining provisions. Dutch Electro and the purchaser are obliged to replace provisions that are void or nullified by valid provisions which approximate the meaning of the void or nullified provisions as far as possible.
- 17.2 The place of execution of the agreement is deemed to be the place where Dutch Electro is located, i.e. Nuth (Netherlands).
- 17.3 All agreements concluded by Dutch Electro and these general terms and conditions, save insofar as Dutch Electro expressly makes a different choice if law, are exclusively governed by the law of the Netherlands, including the Vienna Sales Convention 1980 (CISG 1980).
- 17.4 All disputes between Dutch Electro and the purchaser will be settled exclusively by the competent court of the Limburg District Court, location Maastricht, the Netherlands. In deviation hereof, Dutch Electro is authorized to initiate an arbitration in accordance with the Arbitration Regulations of the Dutch Arbitration Institute. In that case, the arbitral tribunal will consist of one arbitrator and the place of arbitration will be Maastricht.

Dutch Electro BV, version March 2015.

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10

Price list

Price list 10.03

The price list is available on request.

**TL
Catalogue**



2020

EN



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11

Recessed fluorescent fittings

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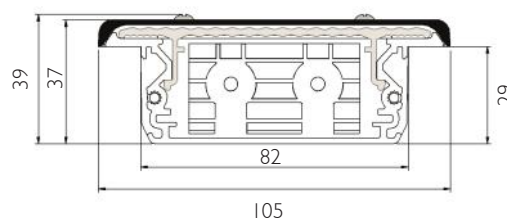


General specifications

Fitting type	Recessed
Base	Extruded aluminium with white powder coating
Diffuser	Impact and UV resistant polycarbonate
Colour of the diffuser	Clear or opaque
Colour of the end caps	White, grey or black
Mounting of the end caps	Stainless steel screws (suitable for transporters of edible produce)
Double voltage	Automatic switch-over between power supply via AC-DC converter and battery power using a separate power switch (see LED catalogue page 6.04)
Available voltages	12 or 24 Volt DC (230 Volt AC only possible with T5 tubes)
Light source	Philips T5 and TL8 tubes, compact lamps PLS and PLL
Standard colour of the light source	840 (other colours on request)
Twin lamp (next to each other)	No
Watertight	No (see page 13.02 Stream WT series)
Continuous lighting system	Yes, custom-made fittings are possible (see page 11.12)
Switch	Option
Motion sensor	No
Night light *	Option, LED, power LED or festoon bulb (white, red, green or blue)
Dimmable	Option * In 12 or 24 Volt DC: 2 positions (30 / 100%) * In 230 Volt AC: continuously variable (0 - 100%)

* When a power LED night light is applied in Stream fittings with a PL-lamp, the cut-out size of the fitting increases by 30 mm.

From page 18.02 you will find more technical information



Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)			Cut-out size (L x W x H in mm)
			12V DC	24V DC	230V AC	
Compact lamps ✨						
1 x 11	1 x PLS-4p	900	0.95	0.49	---	320 x 82 x 29
2 x 11	2 x PLS-4p	1800	1.90	0.98	---	600 x 82 x 29
1 x 18	1 x PLL	1200	1.36	0.67	---	320 x 82 x 29
2 x 18	2 x PLL	2400	2.72	1.34	---	605 x 82 x 29
1 x 24	1 x PLL	1800	1.90	0.90	---	430 x 82 x 29
2 x 24	2 x PLL	3600	3.80	1.80	---	836 x 82 x 29
1 x 24	1 x PLL-POLAR	1800	1.90	0.93	---	430 x 82 x 29
2 x 24	2 x PLL-POLAR	3600	3.80	1.86	---	836 x 82 x 29
1 x 36	1 x PLL	2900	2.30	1.14	---	530 x 82 x 29
2 x 36	2 x PLL	5800	4.60	2.28	---	1020 x 82 x 29
1 x 36	1 x PLL-POLAR	2900	2.40	1.18	---	530 x 82 x 29
2 x 36	2 x PLL-POLAR	5800	4.80	2.36	---	1020 x 82 x 29
T5-Tubes						
1 x 14	1 x T5	1200	1.09	0.54	0.08	586 x 82 x 29
1 x 21	1 x T5	1900	1.49	0.72	0.10	886 x 82 x 29
1 x 28	1 x T5	2600	1.94	0.95	0.14	1186 x 82 x 29
1 x 35	1 x T5	3300	2.29	1.13	0.19	1486 x 82 x 29
TL8-Tubes						
1 x 15	1 x TL8	1000	1.20	0.70	---	599 x 82 x 29
1 x 18	1 x TL8	1350	1.30	0.70	---	751 x 82 x 29
1 x 30	1 x TL8	2400	2.20	1.10	---	1056 x 82 x 29
1 x 36	1 x TL8	3350	2.10	1.10	---	1361 x 82 x 29
1 x 38	1 x TL8	3200	2.50	1.20	---	1208 x 82 x 29

✨ These fittings are suitable for low temperature applications (see page 18.03)

T5 fittings are only suitable for use at room temperature.

Before T5 tubes can be dimmed, they need to be used for a minimum of 100 hours at 100%.

Ordering example

Stream fitting with one PLL 18 Watt compact lamp at 24 Volt with a clear diffuser, white end caps and a switch

Abbreviation of the series name	Number of lamps	Lamp	Power	Voltage	Colour of the diffuser	Colour of the end cap	Option
ST	1	PLL	18W	24V	clear	white	switch

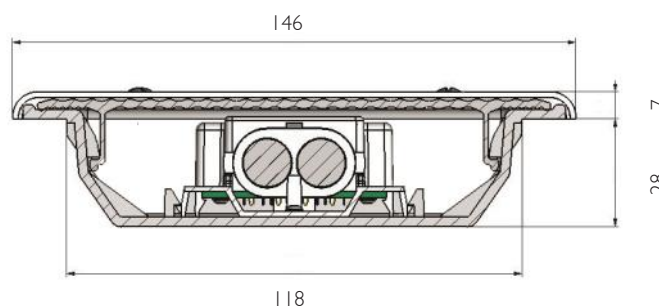
💡 It is also possible to use the 'configurator' on our website to compose the fitting of your choice



General specifications

Fitting type	Recessed
Base	White polycarbonate
Diffuser	Impact and UV resistant polycarbonate
Colour of the diffuser	Clear or opaque
Colour of the end caps	White or grey
Mounting of the end caps	Stainless steel screws (suitable for transporters of edible produce)
Double voltage	Automatic switch-over between power supply via AC-DC converter and battery power using a separate power switch (see LED catalogue page 6.04)
Available voltages	12 or 24 Volt DC
Lamp	Philips compact lamp PLS I I Watt 4pins
Standard colour of the light source	840 (other colours on request)
Twin lamp (next to each other)	No
Watertight	No
Continuous lighting system	No
Switch	Option
Motion sensor	No
Night light	Option, LED or festoon bulb (white, red, green or blue)
Dimmable	No

From page 18.02 you will find more technical information



Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)			Cut-out size (L x W x H in mm)
			12V DC	24V DC	230V AC	
Compact lamps ❄						
1 x 11	1 x PLS-4p	900	0.95	0.49	---	320 x 118 x 28

❄ These fittings are suitable for low temperature applications (see page 18.03)

Ordering example

CATH fitting with one PLS 11 Watt compact lamp at 24 Volt with a clear diffuser, white end caps and a switch

Abbreviation of the series name	Number of lamps	Lamp	Power	Voltage	Colour of the diffuser	Colour of the end cap	Option
CATH	1	PLS-4p	11W	24V	clear	white	switch

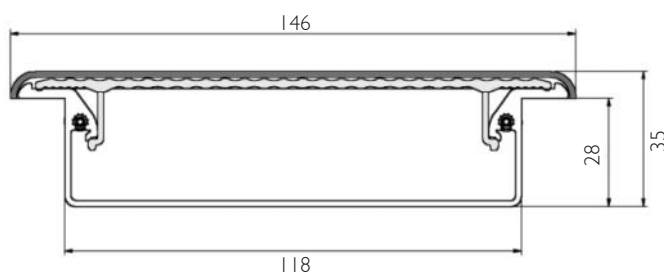
💡 It is also possible to use the 'configurator' on our website to compose the fitting of your choice



General specifications

Fitting type	Recessed
Base	Extruded aluminium with white powder coating
Diffuser	Impact and UV resistant polycarbonate
Colour of the diffuser	Clear or opaque
Colour of the end caps	White or grey
Mounting of the end caps	Stainless steel screws (suitable for transporters of edible produce)
Double voltage	Automatic switch-over between power supply via AC-DC converter and battery power using a separate power switch (see LED catalogue page 6.04)
Available voltages	12 or 24 Volt DC, 230 Volt AC (other voltages on request)
Light source	Philips T5 and TL8 tubes, compact lamps PLS and PLL
Standard colour of the light source	840 (other colours on request)
Twin lamp (next to each other)	Yes
Watertight	No, (see page 13.04 Canal 28 WT series)
Continuous lighting system	Yes, custom-made fittings are possible (see page 11.12)
Switch	Option
Motion sensor	No
Night light	Option, LED, power LED or festoon bulb (white, red, green or blue)
Dimmable	Option * In 12 or 24 Volt DC: 2 positions (30 / 100%) * In 230 Volt AC: continuously variable (0 - 100%)

From page 18.02 you will find more technical information



Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)			Cut-out size (L x W x H in mm)
			12V DC	24V DC	230V AC	
Compact lamps ✱						
1 x 11	1 x PLS-4p	900	0.95	0.49	---	320 x 118 x 28
2 x 11	2 x PLS-4p	1800	1.90	0.98	---	600 x 118 x 28
1 x 18	1 x PLL	1200	1.36	0.67	---	320 x 118 x 28
2 x 18	2 x PLL	2400	2.72	1.34	---	605 x 118 x 28
1 x 24	1 x PLL	1800	1.90	0.90	---	430 x 118 x 28
2 x 24	2 x PLL	3600	3.80	1.80	---	825 x 118 x 28
1 x 24	1 x PLL-POLAR	1800	1.90	0.93	---	430 x 118 x 28
2 x 24	2 x PLL-POLAR	3600	3.80	1.86	---	825 x 118 x 28
1 x 36	1 x PLL	2900	2.30	1.14	---	530 x 118 x 28
2 x 36	2 x PLL	5800	4.60	2.28	---	1020 x 118 x 28
1 x 36	1 x PLL-POLAR	2900	2.40	1.18	---	530 x 118 x 28
2 x 36	2 x PLL-POLAR	5800	4.80	2.36	---	1020 x 118 x 28
T5-Tubes						
1 x 14	1 x T5	1200	1.09	0.54	0.06	592 x 118 x 28
2 x 14	2 x T5	2400	2.18	1.08	0.13	592 x 118 x 28
1 x 21	1 x T5	1900	1.49	0.72	0.08	892 x 118 x 28
2 x 21	2 x T5	3800	2.98	1.44	0.17	892 x 118 x 28
1 x 28	1 x T5	2600	1.94	0.95	0.10	1192 x 118 x 28
2 x 28	2 x T5	5200	3.88	1.90	0.21	1192 x 118 x 28
1 x 35	1 x T5	3300	2.29	1.13	0.14	1492 x 118 x 28
2 x 35	2 x T5	6600	4.58	2.26	0.27	1492 x 118 x 28
TL8-Tubes						
1 x 13	1 x TL8	950	1.03	---	0.10	550 x 118 x 28
2 x 13	2 x TL8	1900	2.06	---	0.20	550 x 118 x 28

✱ These fittings are suitable for low temperature applications (see page 18.03)

T5 fittings are only suitable for use at room temperature.

Before T5 tubes can be dimmed, they need to be used for a minimum of 100 hours at 100%.

Ordering example

Canal 28 fitting with one T5 14 Watt lamp at 12 Volt with a clear diffuser, white end caps and a switch

Abbreviation of the series name	Number of lamps	Lamp	Power	Voltage	Colour of the diffuser	Colour of the end cap	Option
CA28	1	T5	14W	12V	clear	white	switch

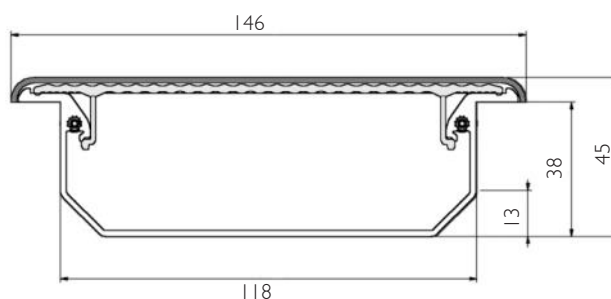
💡 It is also possible to use the 'configurator' on our website to compose the fitting of your choice



General specifications

Fitting type	Recessed
Base	Extruded aluminium with white powder coating
Diffuser	Impact and UV resistant polycarbonate
Colour of the diffuser	Clear or opaque
Colour of the end caps	White or grey
Mounting of the end caps	Stainless steel screws (suitable for transporters of edible produce)
Double voltage	Automatic switch-over between power supply via AC-DC converter and battery power using a separate power switch (see LED catalogue page 6.04)
Available voltages	12 or 24 Volt DC, 230 Volt AC (other voltages on request)
Light source	Philips TL8 tubes, compact lamps PLS and PLL
Standard colour of the light source	840 (other colours on request)
Twin lamp (next to each other)	Yes
Watertight	No (see page 13.06 Canal 38 WT series)
Continuous lighting system	Yes, custom-made fittings are possible (see page 11.12)
Switch	Option
Motion sensor	No
Night light	Option, LED, power LED or festoon bulb (white, red, green or blue)
Dimmable	Option * In 12 or 24 Volt DC: 2 positions (30 / 100%) * In 230 Volt AC: continuously variable (0 - 100%)

From page 18.02 you will find more technical information



Canal 38 series

Recessed fluorescent fitting, standard version

11.09
TL-2020-R1

Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)			Cut-out size (L x W x H in mm)
			12V DC	24V DC	230V AC	
Compact lamps ❄						
1 x 11	1 x PLS-4p	900	---	---	0.05	320 x 118 x 38
2 x 11	2 x PLS-4p	1800	---	---	0.09	600 x 118 x 38
1 x 18	1 x PLL	1200	---	---	0.08	320 x 118 x 38
1 x 24	1 x PLL	1800	---	---	0.12	430 x 118 x 38
1 x 24	1 x PLL-POLAR	1800	---	---	0.12	430 x 118 x 38
1 x 36	1 x PLL	2900	---	---	0.17	530 x 118 x 38
1 x 36	1 x PLL-POLAR	2900	---	---	0.17	530 x 118 x 38
TL8-Tubes						
1 x 15	1 x TL8	1000	1.32	0.65	0.07	474 x 118 x 38
2 x 15	2 x TL8	2000	2.64	1.30	0.13	474 x 118 x 38
1 x 18	1 x TL8	1350	1.48	0.73	0.09	623 x 118 x 38
2 x 18	2 x TL8	2700	2.96	1.46	0.17	623 x 118 x 38
1 x 30	1 x TL8	2400	2.30	1.14	0.13	928 x 118 x 38
2 x 30	2 x TL8	4800	4.60	2.28	0.27	928 x 118 x 38
1 x 36	1 x TL8	3350	2.34	1.19	0.16	1233 x 118 x 38
2 x 36	2 x TL8	6700	4.68	2.38	0.31	1233 x 118 x 38
1 x 38	1 x TL8	3200	2.50	1.20	0.16	1080 x 118 x 38
2 x 38	2 x TL8	6400	5.00	2.40	0.32	1080 x 118 x 38
1 x 58	1 x TL8	5200	---	---	0.25	1533 x 118 x 38
2 x 58	2 x TL8	10400	---	---	0.49	1533 x 118 x 38

❄ These fittings are suitable for low temperature applications (see page 18.03)

Ordering example

Canal 38 fitting with one PLL 18 Watt compact lamp at 24 Volt with a clear diffuser, white end caps and a switch

Abbreviation of the series name	Number of lamps	Lamp	Power	Voltage	Colour of the diffuser	Colour of the end cap	Option
CA38	1	PLL	18W	24V	clear	white	switch

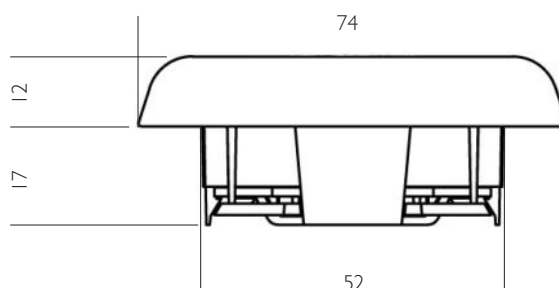
💡 It is also possible to use the 'configurator' on our website to compose the fitting of your choice



General specifications

Fitting type	Recessed
Base	Flame retarding white polycarbonate (V0)
Diffuser	Polycarbonate, mounting with click system (without screws)
Colour of the diffuser	Clear or opaque
Colour of the end caps	N/a
Mounting of the end caps	N/a
Double voltage	Automatic switch-over between power supply via AC-DC converter and battery power using a separate power switch (see LED catalogue page 6.04)
Available voltages	12 or 24 Volt DC
Lamp	Philips compact lamp PLS1 Watt 4pins
Standard colour of the light source	840 (other colours on request)
Twin lamp (next to each other)	No
Watertight	No
Continuous lighting system	No
Switch	Option (see picture)
Motion sensor	Option, integrated in the fitting * default delay time after last detection 1 minute * other available delay times are 15 seconds, 5 or 10 minutes
Night light	Option, LED (white, red, green or blue, see picture)
Dimmable	No

From page 18.02 you will find more technical information



Bridge RE series

Recessed fluorescent fitting

11.11
TL-2020-R1

Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)			Cut-out size (L x W x H in mm)
			12V DC	24V DC	230V AC	

Compact lamp *

1 x 11	1 x PLS-4p	900	0.95	0.49	---	290 x 52 x 17
--------	------------	-----	------	------	-----	---------------

* These fittings are suitable for low temperature applications (see page 18.03)

Options



Standard



Switch



LED (as night light)



Motion sensor

Ordering example





Bridge RE fitting with one PLS 11 Watt compact lamp at 24 Volt with a clear diffuser and a switch

Abbreviation of the series name	Number of lamps	Lamp	Power	Voltage	Colour of the diffuser	Option
BR/RE	1	PLS-4p	11W	24V	clear	switch

💡 It is also possible to use the 'configurator' on our website to compose the fitting of your choice

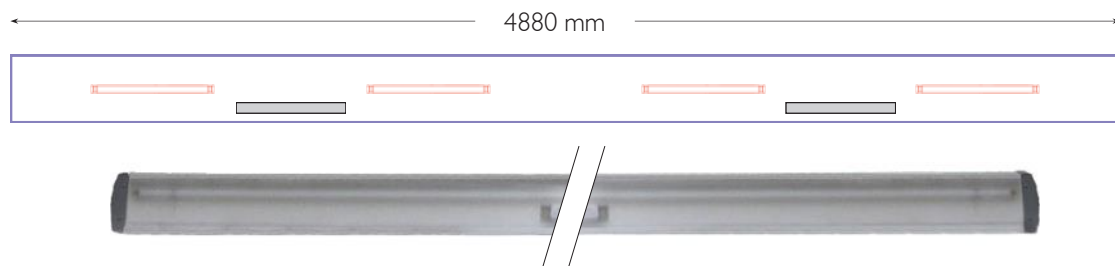
As the aluminium bases and the polycarbonate diffusers are extruded, we are able to manufacture light fittings in any requested length. A light fitting of for instance 10 meter long is possible. Here you can see some examples per fitting type. We can only show a few examples in this catalogue. For other possibilities, please contact us.

Legend

Inverter 12 or 24 Volt DC in casing	
Inverter 230 Volt AC (single or double tubes)...	
TL-tube	
Aluminium profile.....	

Canal 28 series

Canal 28/4880mm/4 x (1x28 Watt)/230 Volt










Canal 38 series

Canal 38/1233mm/1x36 Watt/230 Volt+ 1x18 Watt/24 Volt



12

Surface mounted fluorescent fittings

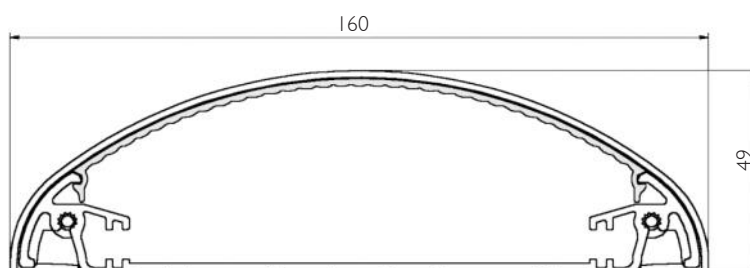
	Avenue series.....	12.02
	Edge series.....	12.04
	Mini Avenue series.....	12.06
	Bridge SU series.....	12.08
	Piazza series.....	12.10
	R2870 / R2822 series	12.12
	R2823 / R2828 series	12.13
	Custom-made fittings surface mounted.....	12.14



General specifications

Fitting type	Surface mounted
Base	Extruded aluminium with white powder coating
Diffuser	Impact resistant polycarbonate
Colour of the diffuser	Opaque
Colour of the end caps	White
Mounting of the end caps	Click system
Double voltage	Automatic switch-over between power supply via AC-DC converter and battery power using a separate power switch (see LED catalogue page 6.04)
Available voltages	12 or 24 Volt DC, 230 Volt AC (other voltages on request)
Light source	Philips TL8 tubes, compact lamps PLS and PLL
Standard colour of the light source	840 (other colours on request)
Twin lamp (next to each other)	Yes
Watertight	No
Continuous lighting system	Yes, custom-made fittings are possible (see page 12.20)
Switch	Option
Motion sensor	No
Night light	Option, LED, power LED or festoon bulb (white, red, green or blue)
Dimmable	Option * In 12 or 24 Volt DC: 2 positions (30 / 100%) * In 230 Volt AC: continuously variable (0 - 100%)

From page 18.02 you will find more technical information



Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)			Surface mounted size (L x W x H in mm)
			12V DC	24V DC	230V AC	
Compact lamps ✱						
1 x 11	1 x PLS-4p	900	0.95	0.49	0.09	350 x 160 x 49
2 x 11	2 x PLS-4p	1800	1.90	0.98	0.18	610 x 160 x 49
1 x 18	1 x PLL	1200	1.36	0.67	0.09	349 x 160 x 49
2 x 18	2 x PLL	2400	2.72	1.34	0.18	650 x 160 x 49
1 x 24	1 x PLL	1800	1.90	0.90	0.11	497 x 160 x 49
2 x 24	2 x PLL	3600	3.80	1.80	0.22	865 x 160 x 49
1 x 24	1 x PLL-POLAR	1800	1.90	0.93	0.11	497 x 160 x 49
2 x 24	2 x PLL-POLAR	3600	3.80	1.86	0.22	865 x 160 x 49
1 x 36	1 x PLL	2900	2.30	1.14	0.17	555 x 160 x 49
2 x 36	2 x PLL	5800	4.60	2.28	0.34	1030 x 160 x 49
1 x 36	1 x PLL-POLAR	2900	2.40	1.18	0.17	555 x 160 x 49
2 x 36	2 x PLL-POLAR	5800	4.80	2.36	0.34	1030 x 160 x 49
TL8-Tubes						
1 x 15	1 x TL8	1000	1.32	0.65	0.07	497 x 160 x 49
2 x 15	2 x TL8	2000	2.64	1.30	0.13	497 x 160 x 49
1 x 18	1 x TL8	1350	1.48	0.73	0.09	652 x 160 x 49
2 x 18	2 x TL8	2700	2.96	1.46	0.17	652 x 160 x 49
1 x 30	1 x TL8	2400	2.30	1.14	0.13	957 x 160 x 49
2 x 30	2 x TL8	4800	4.60	2.28	0.27	957 x 160 x 49
1 x 36	1 x TL8	3350	2.34	1.19	0.16	1262 x 160 x 49
2 x 36	2 x TL8	6700	4.68	2.38	0.31	1262 x 160 x 49
1 x 38	1 x TL8	3200	2.50	1.20	0.16	1109 x 160 x 49
2 x 38	2 x TL8	6400	5.00	2.40	0.32	1109 x 160 x 49
1 x 58	1 x TL8	5200	---	---	0.25	1562 x 160 x 49
2 x 58	2 x TL8	10400	---	---	0.49	1562 x 160 x 49

✱ These fittings are suitable for low temperature applications (see page 18.03)

Ordering example

Avenue fitting with one TL8 18 Watt lamp at 24 Volt with an opaque diffuser, white end caps and a switch

Abbreviation of the series name	Number of lamps	Lamp	Power	Voltage	Colour of the diffuser	Colour of the end cap	Option
AV	1	TL8	18W	24V	opaque	white	switch

💡 It is also possible to use the 'configurator' on our website to compose the fitting of your choice

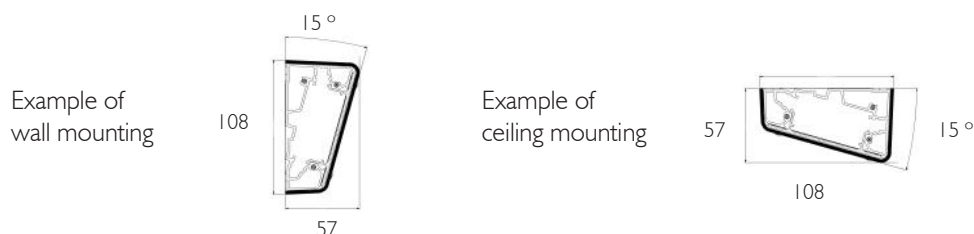


General specifications

Fitting type	Surface mounted
Base	Extruded aluminium with white powder coating
Diffuser	Impact and UV resistant polycarbonate
Colour of the diffuser	Clear or opaque
Colour of the end caps	White, grey or black
Mounting of the end caps	Stainless steel screws (suitable for transporters of edible produce)
Double voltage	Automatic switch-over between power supply via AC-DC converter and battery power using a separate power switch (see LED catalogue page 6.04)
Available voltages	12 or 24 Volt DC (230 Volt AC only possible with T5 tubes)
Light source	Philips T5 tubes, compact lamps PLS and PLL
Standard colour of the light source	840 (other colours on request)
Twin lamp (next to each other)	No
Watertight	No (see page 13.08 Edge WT series)
Continuous lighting system	Yes, custom-made fittings are possible (see page 12.21)
Switch	Option
Motion sensor	No
Night light *	Option, LED, power LED or festoon bulb (white, red, green or blue)
Dimmable	Option * In 12 or 24 Volt DC: 2 positions (30 / 100%) * In 230 Volt AC: continuously variable (0 - 100%)

* When a power LED night light is applied in Edge fittings with a PL-lamp, the cut-out size of the fitting increases by 30 mm.

From page 18.02 you will find more technical information



Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)			Surface mounted size (L x W x H in mm)
			12V DC	24V DC	230V AC	
Compact lamps ✱						
1 x 11	1 x PLS-4p	900	0.95	0.49	---	450 x 57 x 108
2 x 11	2 x PLS-4p	1800	1.90	0.98	---	715 x 57 x 108
1 x 18	1 x PLL	1200	1.36	0.67	---	450 x 57 x 108
2 x 18	2 x PLL	2400	2.72	1.34	---	715 x 57 x 108
1 x 24	1 x PLL	1800	1.90	0.90	---	550 x 57 x 108
2 x 24	2 x PLL	3600	3.80	1.80	---	940 x 57 x 108
1 x 24	1 x PLL-POLAR	1800	1.90	0.93	---	550 x 57 x 108
2 x 24	2 x PLL-POLAR	3600	3.80	1.86	---	940 x 57 x 108
1 x 36	1 x PLL	2900	2.30	1.14	---	640 x 57 x 108
2 x 36	2 x PLL	5800	4.60	2.28	---	1130 x 57 x 108
1 x 36	1 x PLL-POLAR	2900	2.40	1.18	---	640 x 57 x 108
2 x 36	2 x PLL-POLAR	5800	4.80	2.36	---	1130 x 57 x 108
T5-Tubes						
1 x 14	1 x T5	1200	1.10	0.55	0.08	706 x 57 x 108
1 x 21	1 x T5	1900	1.47	0.73	0.10	1006 x 57 x 108
1 x 28	1 x T5	2600	1.75	0.82	0.14	1306 x 57 x 108
1 x 35	1 x T5	3300	2.24	1.10	0.19	1606 x 57 x 108

✱ These fittings are suitable for low temperature applications (see page 18.03)

T5 fittings are only suitable for use at room temperature.

Before T5 tubes can be dimmed, they need to be used for a minimum of 100 hours at 100%.

Ordering example

Edge fitting with one PLL 18 Watt lamp at 24 Volt with a clear diffuser, black end caps and a switch

Abbreviation of the series name	Number of lamps	Lamp	Power	Voltage	Colour of the diffuser	Colour of the end cap	Option
ED	1	PLL	18W	24V	clear	black	switch

💡 It is also possible to use the 'configurator' on our website to compose the fitting of your choice

Mini Avenue series

Very low surface mounted fluorescent fitting

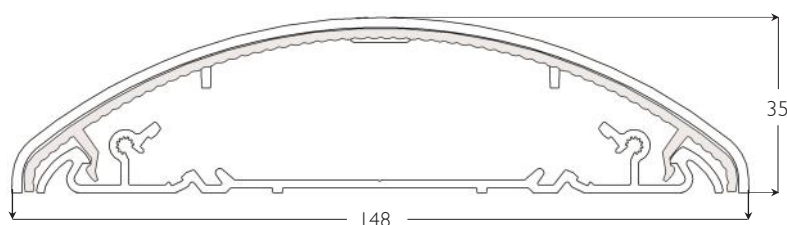
12.06
TL-2020-R1



General specifications

Fitting type	Surface mounted
Base	Extruded aluminium with white powder coating
Diffuser	Impact resistant polycarbonate
Colour of the diffuser	Clear or opaque
Colour of the end caps	White
Mounting of the end caps	Screw
Double voltage	Automatic switch-over between power supply via AC-DC converter and battery power using a separate power switch (see LED catalogue page 6.04)
Available voltages	12 or 24 Volt DC, 230 Volt AC (other voltages on request)
Light source	Philips T5 tubes, PLS compact lamps
Standard colour of the light source	840 (other colours on request)
Twin lamp (next to each other)	Yes
Watertight	No
Continuous lighting system	Yes, custom-made fittings are possible (see page 12.21)
Switch	Option
Motion sensor	No
Night light	Option, LED, power LED or festoon bulb (white, red, green or blue)
Dimmable	Option * In 12 or 24 Volt DC: 2 positions (30 / 100 %) * In 230 Volt AC: continuously variable (0 - 100%)

From page 18.02 you will find more technical information



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Mini Avenue series

Very low surface mounted fluorescent fitting

12.07
TL-2020-R1

Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)			Surface mounted size (L x W x H in mm)
			12V DC	24V DC	230V AC	
Compact lamps ✨						
1 x 11	1 x PLS-4p	900	0.95	0.49	---	340 x 148 x 35
T5-tubes						
1 x 14	1 x T5	1200	1.10	0.55	0.06	640 x 148 x 35
2 x 14	2 x T5	2400	2.20	1.10	0.12	640 x 148 x 35
1 x 21	1 x T5	1900	1.47	0.73	0.10	940 x 148 x 35
2 x 21	2 x T5	3800	2.94	1.56	0.20	940 x 148 x 35
1 x 28	1 x T5	2600	1.75	0.82	0.14	1240 x 148 x 35
2 x 28	2 x T5	5200	3.50	1.60	0.28	1240 x 148 x 35
1 x 35	1 x T5	3300	2.24	1.10	0.19	1540 x 148 x 35
2 x 35	2 x T5	6600	4.48	2.20	0.38	1540 x 148 x 35

✨ These fittings are suitable for low temperature applications (see page 18.03)

T5 fittings are only suitable for use at room temperature.

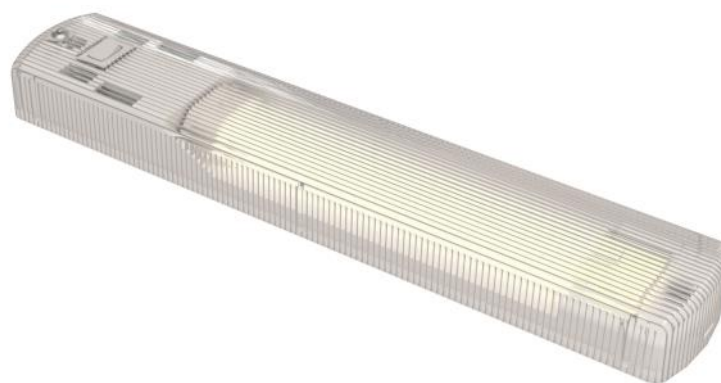
Before T5 tubes can be dimmed, they need to be used for a minimum of 100 hours at 100%.

Ordering example

Mini Avenue fitting with one T5 14 Watt lamp at 12 Volt with a clear diffuser, white end caps and a switch

Abbreviation of the series name	Number of lamps	Lamp	Power	Voltage	Colour of the diffuser	Colour of the end cap	Option
MAV35	1	T5	14W	12V	clear	white	switch

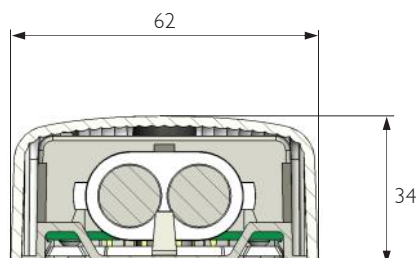
💡 It is also possible to use the 'configurator' on our website to compose the fitting of your choice



General specifications

Fitting type	Surface mounted
Base	Fire retarding white polycarbonate (V0)
Diffuser	Polycarbonate, mounting with a stainless steel screw
Colour of the diffuser	Clear or opaque
Colour of the end caps	N/a
Mounting of the end caps	N/a
Double voltage	Automatic switch-over between power supply via AC-DC converter and battery power using a separate power switch (see LED catalogue page 6.04)
Available voltages	12 or 24 Volt DC
Lamp	Philips compact lamp PLS1 Watt 4pins
Standard colour of the light source	840 (other colours on request)
Twin lamp (next to each other)	No
Watertight	No
Continuous lighting system	No
Switch	Option (see picture)
Motion sensor	No
Night light	Option, LED (white, red, green or blue, see picture)
Dimmable	No

From page 18.02 you will find more technical information



Bridge SU series

Surface mounted fluorescent fitting

12.09
TL-2020-R1

Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)			Surface mounted size (L x W x H in mm)
			12V DC	24V DC	230V AC	
Compact lamp *						
1 x 11	1 x PLS-4p	900	0.95	0.49	---	331 x 62 x 34

* These fittings are suitable for low temperature applications (see page 18.03)

Options



Standard



Switch



LED (as night light)

Ordering example

Bridge SU fitting with one PLS 11 Watt compact lamp at 24 Volt with a clear diffuser and a switch

Abbreviation of the series name	Number of lamps	Lamp	Power	Voltage	Colour of the diffuser	Option
BR/SU	1	PLS-4p	11W	24V	clear	switch

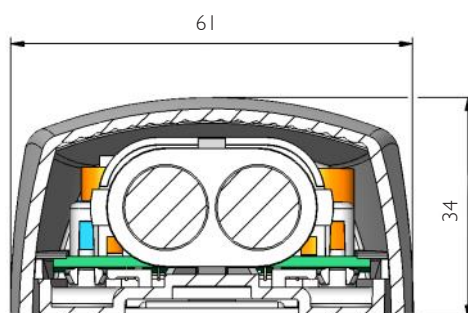
💡 It is also possible to use the 'configurator' on our website to compose the fitting of your choice



General specifications

Fitting type	Surface mounted
Base	White ABS
Diffuser	Polycarbonate
Colour of the diffuser	Clear
Colour of the end cap	White or grey
Mounting of the end cap	Click system
Double voltage	Automatic switch-over between power supply via AC-DC converter and battery power using a separate power switch (see LED catalogue page 6.04)
Available voltages	12 or 24 Volt DC
Lamp	Philips compact lamp PLS1 Watt 4pins
Standard colour of the light source	840 (other colours on request)
Twin lamp (next to each other)	No
Watertight	No
Continuous lighting system	No
Switch	Yes
Motion sensor	No
Night light	No
Dimmable	No

From page 18.02 you will find more technical information



Piazza series

Surface mounted fluorescent fitting

12.11
TL-2020-R1

Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)			Surface mounted size (L x W x H in mm)
			12V DC	24V DC	230V AC	
Compact lamp *						
1 x 11	1 x PLS-4p	900	0.95	0.49	---	314 x 61 x 34

* These fittings are suitable for low temperature applications (see page 18.03)

Ordering example

Piazza fitting with one PLS 11 Watt lamp at 24 Volt with a clear diffuser, grey end cap and a switch

Name of the series	Number of lamps	Lamp	Power	Voltage	Colour of the diffuser	Colour of the end cap	Option
PIAZZA	1	PLS-4p	11W	24V	clear	grey	switch

 It is also possible to use the 'configurator' on our website to compose the fitting of your choice

R2870/R2822 series

Fluorescent batten lights

12.12
TL-2020-R1



R2870 series

Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)		Surface mounted size (L x W x H in mm)
			12V DC	24V DC	
TL8-Tubes					
1 x 8	1 x TL8	420	0.64	---	310 x 35 x 55
1 x 13	1 x TL8	950	1.03	---	540 x 35 x 55
1 x 15	1 x TL8	1000	1.32	0.65	520 x 35 x 68
1 x 18	1 x TL8	1350	1.48	0.73	670 x 35 x 68
1 x 30	1 x TL8	2400	2.30	1.14	978 x 35 x 68
1 x 36	1 x TL8	3350	2.34	1.19	1284 x 35 x 68
1 x 38	1 x TL8	3200	2.50	1.30	1130 x 35 x 68



R2822 series

Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)		Surface mounted size (L x W x H in mm)
			12V DC	24V DC	
TL8-Tubes					
1 x 15	1 x TL8	1000	1.32	0.65	705 x 40 x 40
1 x 18	1 x TL8	1350	1.48	0.73	850 x 40 x 40
1 x 30	1 x TL8	2400	2.30	1.14	1160 x 40 x 40
1 x 36	1 x TL8	3350	2.34	1.19	1460 x 40 x 40
1 x 38	1 x TL8	3200	2.50	1.30	1310 x 40 x 40

R2823/R2828 series

Fluorescent batten lights

12.13
TL-2020-R1



R2823 series

Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)			Surface mounted size (L x W x H in mm)
			12V DC	24V DC	230V AC	
TL8-Tubes						
1 x 15	1 x TL8	1000	1.32	0.65	0.06	470 x 63 x 40
1 x 18	1 x TL8	1350	1.48	0.73	0.09	620 x 63 x 40
1 x 30	1 x TL8	2400	2.30	1.14	0.13	920 x 63 x 40
1 x 36	1 x TL8	3350	2.34	1.19	0.16	1220 x 63 x 40









R2828 series

Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)			Surface mounted size (L x W x H in mm)
			12V DC	24V DC	230V AC	
TL8-Tubes						
1 x 15	1 x TL8	1000	1.32	0.65	0.06	465 x 40 x 63
1 x 18	1 x TL8	1350	1.48	0.73	0.09	615 x 40 x 63
1 x 30	1 x TL8	2400	2.30	1.14	0.13	920 x 40 x 63
1 x 36	1 x TL8	3350	2.34	1.19	0.16	1225 x 40 x 63
1 x 38	1 x TL8	3200	2.50	1.30	0.16	1080 x 40 x 63

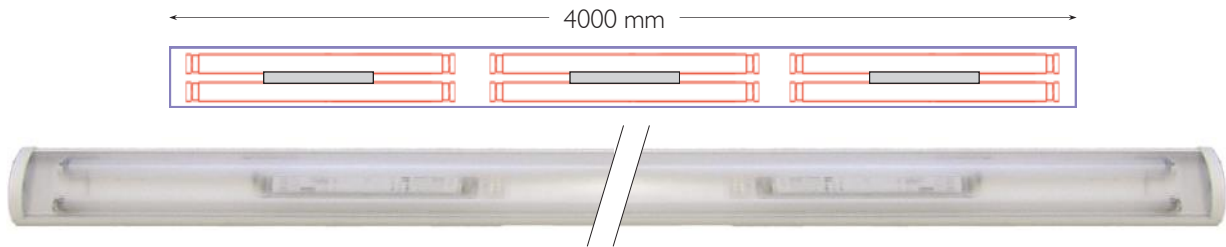
As the aluminium bases and the polycarbonate diffusers are extruded, we are able to manufacture light fittings in any requested length. A light fitting of for instance 10 meter long is possible. Here you can see some examples per fitting type. We can only show a few examples in this catalogue. For other possibilities, please contact us.

Legend

Inverter 12 or 24 Volt DC	
Inverter 230 Volt AC (single or double tubes)	
Inverter in frame 12 or 24 Volt DC with compact lamp	
TL-tube	
LED night light	
Aluminium profile	

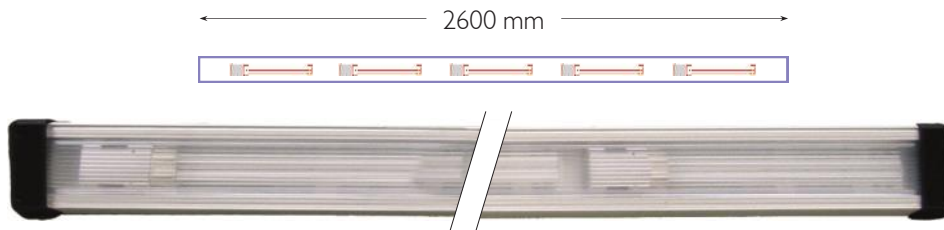
Avenue series

Avenue/4000mm/3 x (2x36Watt)/230 Volt



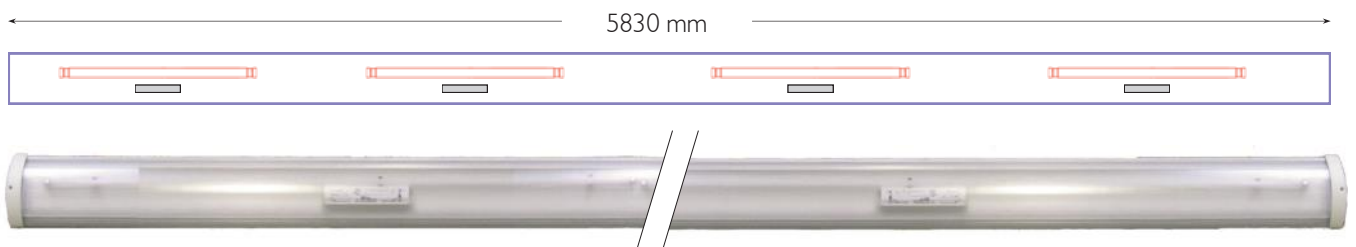
Edge series

Edge/2600mm/5 x (1xPLL24 Watt)/12 Volt












Mini Avenue series

Mini Avenue/5830mm/1 x (1x28 Watt)+3 x (1x35 Watt)/24 Volt



13

Watertight fittings

	Stream WT series.....	13.02
	Canal 28 WT series.....	13.04
	Canal 38 WT series.....	13.06
	Edge WT series.....	13.08
	R2805 series.....	13.10
	R2816 series.....	13.12
	R2817 series.....	13.14
	R2820 series.....	13.16
	R2826 series.....	13.18
	Custom-made fittings watertight	13.20

Stream WT series

Slim watertight IP65 recessed fluorescent fitting

13.02
TL-2020-R1

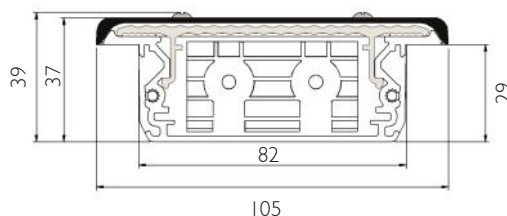


General specifications

Fitting type	Recessed
Base	Extruded aluminium with white powder coating
Diffuser	Impact and UV resistant polycarbonate
Colour of the diffuser	Clear or opaque
Colour of the end caps	White, grey or black
Mounting of the end caps	Stainless steel screws (suitable for transporters of edible produce)
Double voltage	Automatic switch-over between power supply via AC-DC converter and battery power using a separate power switch (see LED catalogue page 6.04)
Available voltages	12 or 24 Volt DC (230 Volt AC only possible with T5 tubes)
Light source	Philips T5 and TL8 tubes, compact lamps PLS and PLL
Standard colour of the light source	840 (other colours on request)
Twin lamp (next to each other)	No
Watertight	Yes (IP65 classification, until a maximum length of 3 meter)
Continuous lighting system	Yes, custom-made fittings are possible (see page 13.20)
Switch	No (only possible in the standard version, see page 11.02)
Motion sensor	No
Night light *	Option, LED, power LED or festoon bulb (white, red, green or blue)
Dimmable	Option * In 12 or 24 Volt DC: 2 positions (30 / 100%) * In 230 Volt AC: continuously variable (0 - 100%)

* When a power LED night light is applied in Stream WT fittings with a PL-lamp, the cut-out size of the fitting increases by 30 mm.

From page 18.02 you will find more technical information



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Stream WT series

Slim watertight IP65 recessed fluorescent fitting

13.03
TL-2020-R1

Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)			Cut-out size (L x W x H in mm)
			12V DC	24V DC	230V AC	
Compact lamps ✨						
1 x 11	1 x PLS-4p	900	0.95	0.49	---	320 x 82 x 29
2 x 11	2 x PLS-4p	1800	1.90	0.98	---	600 x 82 x 29
1 x 18	1 x PLL	1200	1.36	0.67	---	320 x 82 x 29
2 x 18	2 x PLL	2400	2.72	1.34	---	605 x 82 x 29
1 x 24	1 x PLL	1800	1.90	0.90	---	430 x 82 x 29
2 x 24	2 x PLL	3600	3.80	1.80	---	836 x 82 x 29
1 x 24	1 x PLL-POLAR	1800	1.90	0.93	---	430 x 82 x 29
2 x 24	2 x PLL-POLAR	3600	3.80	1.86	---	836 x 82 x 29
1 x 36	1 x PLL	2900	2.30	1.14	---	530 x 82 x 29
2 x 36	2 x PLL	5800	4.60	2.28	---	1020 x 82 x 29
1 x 36	1 x PLL-POLAR	2900	2.40	1.18	---	530 x 82 x 29
2 x 36	2 x PLL-POLAR	5800	4.80	2.36	---	1020 x 82 x 29
T5-Tubes						
1 x 14	1 x T5	1200	1.09	0.54	0.08	586 x 82 x 29
1 x 21	1 x T5	1900	1.49	0.72	0.10	886 x 82 x 29
1 x 28	1 x T5	2600	1.94	0.95	0.14	1186 x 82 x 29
1 x 35	1 x T5	3300	2.29	1.13	0.19	1486 x 82 x 29
TL8-Tubes						
1 x 15	1 x TL8	1000	1.20	0.70	---	599 x 82 x 29
1 x 18	1 x TL8	1350	1.30	0.70	---	751 x 82 x 29
1 x 30	1 x TL8	2400	2.20	1.10	---	1056 x 82 x 29
1 x 36	1 x TL8	3350	2.10	1.10	---	1361 x 82 x 29
1 x 38	1 x TL8	3200	2.50	1.20	---	1208 x 82 x 29

✨ These fittings are suitable for low temperature applications (see page 18.03)

T5 fittings are only suitable for use at room temperature.

Before T5 tubes can be dimmed, they need to be used for a minimum of 100 hours at 100%.

Ordering example

Stream WT fitting with one PLL 18 Watt compact lamp at 24 Volt with a clear diffuser, white end caps and a night light

Abbreviation of the series name	Number of lamps	Lamp	Power	Voltage	Colour of the diffuser	Colour of the end cap	Option
STWT	1	PLL	18W	24V	clear	white	night light

💡 It is also possible to use the 'configurator' on our website to compose the fitting of your choice

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Canal 28 WT series

Watertight IP65 recessed fluorescent fitting

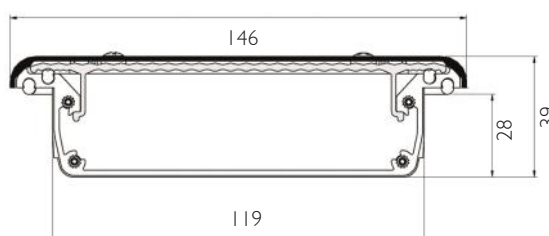
13.04
TL-2020-R1



General specifications

Fitting type	Recessed
Base	Extruded aluminium with white powder coating
Diffuser	Impact and UV resistant polycarbonate
Colour of the diffuser	Clear or opaque
Colour of the end caps	White or black
Mounting of the end caps	Stainless steel screws (suitable for transporters of edible produce)
Double voltage	Automatic switch-over between power supply via AC-DC converter and battery power using a separate power switch (see LED catalogue page 6.04)
Available voltages	12 or 24 Volt DC, 230 Volt AC (other voltages on request)
Light source	Philips T5 and TL8 tubes, compact lamps PLS and PLL,
Standard colour of the light source	840 (other colours on request)
Twin lamp (next to each other)	Yes
Watertight	Yes (IP65 classification, until a maximum length of 3 meter)
Continuous lighting system	Yes, custom-made fittings are possible (see page 13.20)
Switch	No (only possible in the standard version, see page 11.06)
Motion sensor	No
Night light	Option, LED, power LED or festoon bulb (white, red, green or blue)
Dimmable	Option * In 12 or 24 Volt DC: 2 positions (30 / 100%) * In 230 Volt AC: continuously variable (0 - 100%)

From page 18.02 you will find more technical information



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Canal 28 WT series

Watertight IP65 recessed fluorescent fitting

13.05
TL-2020-R1

Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)			Cut-out size (L x W x H in mm)
			12V DC	24V DC	230V AC	
Compact lamps ✱						
1 x 11	1 x PLS-4p	900	0.95	0.49	---	320 x 119 x 28
2 x 11	2 x PLS-4p	1800	1.90	0.98	---	600 x 119 x 28
1 x 18	1 x PLL	1200	1.36	0.67	---	320 x 119 x 28
2 x 18	2 x PLL	2400	2.72	1.34	---	605 x 119 x 28
1 x 24	1 x PLL	1800	1.90	0.90	---	430 x 119 x 28
2 x 24	2 x PLL	3600	3.80	1.80	---	825 x 119 x 28
1 x 24	1 x PLL-POLAR	1800	1.90	0.93	---	430 x 119 x 28
2 x 24	2 x PLL-POLAR	3600	3.80	1.86	---	825 x 119 x 28
1 x 36	1 x PLL	2900	2.30	1.14	---	530 x 119 x 28
2 x 36	2 x PLL	5800	4.60	2.28	---	1020 x 119 x 28
1 x 36	1 x PLL-POLAR	2900	2.40	1.18	---	530 x 119 x 28
2 x 36	2 x PLL-POLAR	5800	4.80	2.36	---	1020 x 119 x 28
T5-Tubes						
1 x 14	1 x T5	1200	1.09	0.54	0.06	592 x 119 x 28
2 x 14	2 x T5	2400	2.18	1.08	0.13	592 x 119 x 28
1 x 21	1 x T5	1900	1.49	0.72	0.08	892 x 119 x 28
2 x 21	2 x T5	3800	2.98	1.44	0.17	892 x 119 x 28
1 x 28	1 x T5	2600	1.94	0.95	0.10	1192 x 119 x 28
2 x 28	2 x T5	5200	3.88	1.90	0.21	1192 x 119 x 28
1 x 35	1 x T5	3300	2.29	1.13	0.14	1492 x 119 x 28
2 x 35	2 x T5	6600	4.58	2.26	0.27	1492 x 119 x 28
TL8-Tubes						
1 x 13	1 x TL8	950	1.03	---	0.10	554 x 119 x 28
2 x 13	2 x TL8	1900	2.06	---	0.20	554 x 119 x 28

✱ These fittings are suitable for low temperature applications (see page 18.03)

T5 fittings are only suitable for use at room temperature.

Before T5 tubes can be dimmed, they need to be used for a minimum of 100 hours at 100%.

Ordering example

Canal 28 WT fitting with one T5 14 Watt lamp at 12 Volt with a clear diffuser, black end caps and a night light

Abbreviation of the series name	Number of lamps	Lamp	Power	Voltage	Colour of the diffuser	Colour of the end cap	Option
CAWT28	1	T5	14W	12V	clear	black	night light

💡 It is also possible to use the 'configurator' on our website to compose the fitting of your choice

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Canal 38 WT series

Watertight IP65 recessed fluorescent fitting

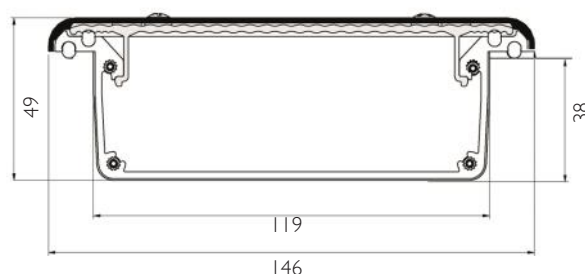
13.06
TL-2020-R1



General specifications

Fitting type	Recessed
Base	Extruded aluminium with white powder coating
Diffuser	Impact and UV resistant polycarbonate
Colour of the diffuser	Clear or opaque
Colour of the end caps	White or black
Mounting of the end caps	Stainless steel screws (suitable for transporters of edible produce)
Double voltage	Automatic switch-over between power supply via AC-DC converter and battery power using a separate power switch (see LED catalogue page 6.04)
Available voltages	12 or 24 Volt DC, 230 Volt AC (other voltages on request)
Light source	Philips TL8 tubes, compact lamps PLS and PLL
Standard colour of the light source	840 (other colours on request)
Twin lamp (next to each other)	Yes
Watertight	Yes (IP65 classification, until a maximum length of 3 meter)
Continuous lighting system	Yes, custom-made fittings are possible (see page 13.20)
Switch	No (only possible in the standard version, see page 11.08)
Motion sensor	No
Night light	Option, LED, power LED or festoon bulb (white, red, green or blue)
Dimmable	Option * In 12 or 24 Volt DC: 2 positions (30 / 100 %) * In 230 Volt AC: continuously variable (0 - 100%)

From page 18.02 you will find more technical information



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Canal 38 WT series

Watertight IP65 recessed fluorescent fitting

13.07
TL-2020-R1

Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)			Cut-out size (L x W x H in mm)
			12V DC	24V DC	230V AC	
Compact lamps ✱						
1 x 11	1 x PLS-4p	900	---	---	0.05	320 x 119 x 38
2 x 11	2 x PLS-4p	1800	---	---	0.09	600 x 119 x 38
1 x 18	1 x PLL	1200	---	---	0.08	320 x 119 x 38
1 x 24	1 x PLL	1800	---	---	0.12	430 x 119 x 38
1 x 24	1 x PLL-POLAR	1800	---	---	0.12	430 x 119 x 38
1 x 36	1 x PLL	2900	---	---	0.17	530 x 119 x 38
1 x 36	1 x PLL-POLAR	2900	---	---	0.17	530 x 119 x 38
TL8-Tubes						
1 x 15	1 x TL8	1000	1.32	0.65	0.07	490 x 119 x 38
2 x 15	2 x TL8	2000	2.64	1.30	0.13	490 x 119 x 38
1 x 18	1 x TL8	1350	1.48	0.73	0.09	645 x 119 x 38
2 x 18	2 x TL8	2700	2.96	1.46	0.17	645 x 119 x 38
1 x 30	1 x TL8	2400	2.30	1.14	0.13	950 x 119 x 38
2 x 30	2 x TL8	4800	4.60	2.28	0.27	950 x 119 x 38
1 x 36	1 x TL8	3350	2.34	1.19	0.16	1255 x 119 x 38
2 x 36	2 x TL8	6700	4.68	2.38	0.31	1255 x 119 x 38
1 x 38	1 x TL8	3200	2.50	1.20	0.16	1102 x 119 x 38
2 x 38	2 x TL8	6400	5.00	2.40	0.32	1102 x 119 x 38
1 x 58	1 x TL8	5200	---	---	0.25	1555 x 119 x 38
2 x 58	2 x TL8	10400	---	---	0.49	1555 x 119 x 38

✱ These fittings are suitable for low temperature applications (see page 18.03)

Ordering example

Canal 38 WT fitting with one PLL 18 Watt compact lamp at 24 Volt with a clear diffuser, black end caps and a night light

Abbreviation of the series name	Number of lamps	Lamp	Power	Voltage	Colour of the diffuser	Colour of the end cap	Option
CAWT38	1	PLL	18W	24V	clear	black	night light

💡 It is also possible to use the 'configurator' on our website to compose the fitting of your choice

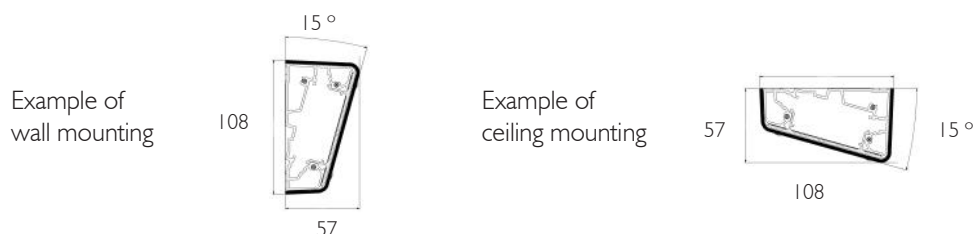


General specifications

Fitting type	Surface mounted
Base	Extruded aluminium with white powder coating
Diffuser	Impact and UV resistant polycarbonate
Colour of the diffuser	Clear or opaque
Colour of the end caps	White, grey or black
Mounting of the end caps	Stainless steel screws (suitable for transporters of edible produce)
Double voltage	Automatic switch-over between power supply via AC-DC converter and battery power using a separate power switch (see LED catalogue page 6.04)
Available voltages	12 or 24 Volt DC (230 Volt AC only possible with T5 tubes)
Light source	Philips T5 tubes, compact lamps PLS and PLL
Standard colour of the light source	840 (other colours on request)
Twin lamp (next to each other)	No
Watertight	Yes (IP65 classification, until a maximum length of 3 meter)
Continuous lighting system	Yes, custom-made fittings are possible (see page 13.20)
Switch	No (only possible in the standard version, see page 12.10)
Motion sensor	No
Night light *	Option, LED, power LED or festoon bulb (white, red, green or blue)
Dimmable	Option * In 12 or 24 Volt DC: 2 positions (30 / 100%) * In 230 Volt AC: continuously variable (0 - 100%)

* When a power LED night light is applied in Edge WT fittings with a PL-lamp, the cut-out size of the fitting increases by 30 mm.

From page 18.02 you will find more technical information



Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)			Surface mounted size (L x W x H in mm)
			12V DC	24V DC	230V AC	
Compact lamps ✱						
1 x 11	1 x PLS-4p	900	0.95	0.49	---	450 x 57 x 108
2 x 11	2 x PLS-4p	1800	1.90	0.98	---	715 x 57 x 108
1 x 18	1 x PLL	1200	1.36	0.67	---	450 x 57 x 108
2 x 18	2 x PLL	2400	2.72	1.34	---	715 x 57 x 108
1 x 24	1 x PLL	1800	1.90	0.90	---	550 x 57 x 108
2 x 24	2 x PLL	3600	3.80	1.80	---	940 x 57 x 108
1 x 24	1 x PLL-POLAR	1800	1.90	0.93	---	550 x 57 x 108
2 x 24	2 x PLL-POLAR	3600	3.80	1.86	---	940 x 57 x 108
1 x 36	1 x PLL	2900	2.30	1.14	---	640 x 57 x 108
2 x 36	2 x PLL	5800	4.60	2.28	---	1130 x 57 x 108
1 x 36	1 x PLL-POLAR	2900	2.40	1.18	---	640 x 57 x 108
2 x 36	2 x PLL-POLAR	5800	4.80	2.36	---	1130 x 57 x 108
T5-Tubes						
1 x 14	1 x T5	1200	1.10	0.55	0.08	706 x 57 x 108
1 x 21	1 x T5	1900	1.47	0.73	0.10	1006 x 57 x 108
1 x 28	1 x T5	2600	1.75	0.82	0.14	1306 x 57 x 108
1 x 35	1 x T5	3300	2.24	1.10	0.19	1606 x 57 x 108

✱ These fittings are suitable for low temperature applications (see page 18.03)

T5 fittings are only suitable for use at room temperature.

Before T5 tubes can be dimmed, they need to be used for a minimum of 100 hours at 100%.

Ordering example

Edge WT fitting with one PLL 18 Watt lamp at 24 Volt with a clear diffuser, black end caps and night light

Abbreviation of the series name	Number of lamps	Lamp	Power	Voltage	Colour of the diffuser	Colour of the end cap	Option
EDWT	1	PLL	18W	24V	clear	black	night light

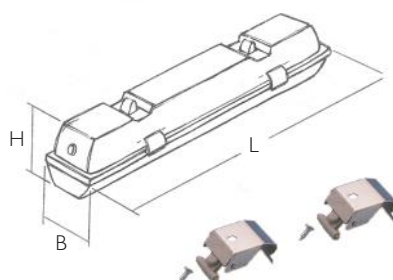
💡 It is also possible to use the 'configurator' on our website to compose the fitting of your choice



General specifications

Fitting type	Surface mounted
Base	Polycarbonate
Diffuser	Polycarbonate
Toggles	Stainless steel (12 or 24 Volt DC and 230 Volt electronic) Reinforced nylon glass fibre (230 Volt conventional, stainless steel toggles at additional costs)
Double voltage	Automatic switch-over between power supply via AC-DC converter and battery power using a separate power switch (see LED catalogue page 6.04)
Available voltages	12 or 24 Volt DC; 230 Volt 50 Hz conventional (power factor ± 0.90); 230 Volt AC 50/60 Hz electronic.
Light source	This fitting is delivered without fluorescent tubes
Twin lamp (next to each other)	Yes
Watertight	Yes (IP65 classification)
Continuous lighting system	No
Switch	No
Motion sensor	No
Night light	Yes, LED, power LED or festoon bulb (white, red, green or blue)
Dimmable	No

[From page 18.02 you will find more technical information](#)



R2805 series

Watertight IP65 surface mounted fluorescent fitting

13.11
TL-2020-R1

Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)				Surface mounted size (L x W x H in mm)
			12V DC	24V DC	230V AC 50 Hz	230V AC 50/60 Hz	
TL8-Tubes							
1 x 18	1 x TL8	1350	1.48	0.73	0.32	0.09	667 x 90 x 98
2 x 18	2 x TL8	2700	2.96	1.46	0.19	0.17	667 x 155 x 102
1 x 36	1 x TL8	3350	2.34	1.19	0.38	0.16	1272 x 90 x 98
2 x 36	2 x TL8	6700	4.68	2.38	0.38	0.31	1272 x 155 x 102
1 x 58	1 x TL8	5200	---	---	---	0.25	1573 x 90 x 98
2 x 58	2 x TL8	10400	---	---	---	0.49	1573 x 155 x 102
Compact lamps *							
1 x 36	1 x PLL	2900	2.30	1.14	---	0.17	667 x 90 x 98
2 x 36	2 x PLL	5800	4.60	2.28	---	0.34	667 x 155 x 102

* These fittings are suitable for low temperature applications (see page 18.03)

Ordering example

R2805 fitting with one PLL 36 Watt lamp at 24 Volt with a clear diffuser and a night light

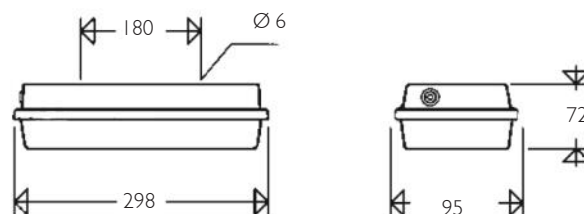
Name of the series	Number of lamps	Lamp	Power	Voltage	Colour of the diffuser	Option
R2805	1	PLL	36W	24V	clear	night light



General specifications

Fitting type	Surface mounted
Base	Polycarbonate
Diffuser	Polycarbonate
Colour of the diffuser	Clear
Double voltage	Automatic switch-over between power supply via AC-DC converter and battery power using a separate power switch (see LED catalogue page 6.04)
Available voltages	12 or 24 Volt DC; 230 Volt AC 50/60 Hz electronic.
Light source	Philips compact lamps PLS and PLL
Standard colour of the light source	840 (other colours on request)
Twin lamp (next to each other)	No
Watertight	Yes (IP65 classification)
Continuous lighting system	No
Switch	No
Motion sensor	No
Night light	Yes, LED, power LED or festoon bulb (white, red, green or blue)
Dimmable	No

From page 18.02 you will find more technical information



R2816 series

Watertight IP65 surface mounted fluorescent fitting

13.13
TL-2020-R1

Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)			Surface mounted size (L x W x H in mm)
			12V DC	24V DC	230V AC 50/60 Hz	
Compact lamps ❄						
1 x 11	1 x PLS-4p	900	0.95	0.49	0.05	298 x 95 x 72
1 x 18	1 x PLL	1200	1.41	0.70	0.14	298 x 95 x 72

❄ These fittings are suitable for low temperature applications (see page 18.03)

Ordering example

R2816 fitting with one PLS-4p 11 Watt lamp at 24 Volt with a clear diffuser and a night light

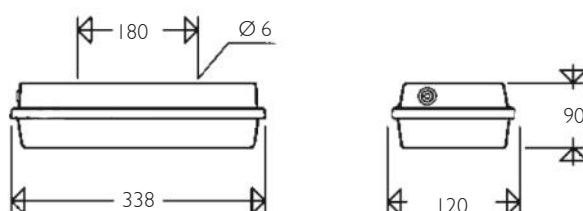
Name of the series	Number of lamps	Lamp	Power	Voltage	Colour of the diffuser	Option
R2816	1	PLS-4p	11W	24V	clear	night light



General specifications

Fitting type	Surface mounted
Base	Polycarbonate
Diffuser	Polycarbonate
Colour of the diffuser	Clear
Double voltage	Automatic switch-over between power supply via AC-DC converter and battery power using a separate power switch (see LED catalogue page 6.04)
Available voltages	12 or 24 Volt DC; 230 Volt 50 Hz conventional; 230 Volt AC 50/60 Hz electronic.
Light source	Philips TL8 tubes, compact lamps PLS and PLL
Standard colour of the light source	840 (other colours on request)
Twin lamp (next to each other)	No
Watertight	Yes (IP65 classification)
Continuous lighting system	No
Switch	No
Motion sensor	No
Night light	Yes, LED, power LED or festoon bulb (white, red, green or blue)
Dimmable	No

From page 18.02 you will find more technical information



Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)			Surface mounted size (L x W x H in mm)
			12V DC	24V DC	230V AC 50/60 Hz	
TL8-Tubes						
1 x 8	1 x TL8	420	0.64	---	0.07	338 x 120 x 90
Compact lamps *						
1 x 11	PLS-4p	900	0.95	0.49	0.05	338 x 120 x 90
2 x 11	PLS-4p	1800	1.90	0.98	0.10	338 x 120 x 90
1 x 18	PLL	1200	1.41	0.70	0.08	338 x 120 x 90
2 x 18	PLL	2400	2.82	1.40	0.16	338 x 120 x 90

* These fittings are suitable for low temperature applications (see page 18.03)

Ordering example

R2817 fitting with two PLS-4p 11 Watt lamps at 24 Volt with a clear diffuser and a night light

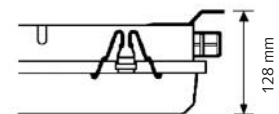
Name of the series	Number of lamps	Lamp	Power	Voltage	Colour of the diffuser	Option
R2817	2	PLS-4p	11W	24V	clear	night light



General specifications

Fitting type	Surface mounted
Base	Aluzink (stainless steel base is available at additional costs)
Diffuser	Clear polycarbonate
Toggles	Acid proof stainless steel
Double voltage	Automatic switch-over between power supply via AC-DC converter and battery power using a separate power switch (see LED catalogue page 6.04)
Available voltages	12 or 24 Volt DC; 230 Volt 50 Hz conventional; 230 Volt AC 50/60 Hz electronic.
Light source	Philips TL8 tubes
Twin lamp (next to each other)	Yes
Watertight	Yes (IP67 classification)
Continuous lighting system	No
Switch	No
Motion sensor	No
Night light	Yes, LED, power LED or festoon bulb (white, red, green or blue)
Dimmable	No

From page 18.02 you will find more technical information



R2820 series

Watertight IP67 surface mounted fluorescent fitting

13.17
TL-2020-R1

Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)				Surface mounted size (L x W x H in mm)
			12V DC	24V DC	230V AC 50 Hz	230V AC 50/60 Hz	
TL8-Tubes							
1 x 18	1 x TL8	1350	1.48	0.73	0.32	0.09	724 x 165 x 128
2 x 18	2 x TL8	2700	2.96	1.46	0.19	0.17	724 x 165 x 128
1 x 36	1 x TL8	3350	2.34	1.19	0.38	0.16	1334 x 165 x 128
2 x 36	2 x TL8	6700	4.68	2.38	0.38	0.31	1334 x 165 x 128

Ordering example

R2820 fitting with two TL8-18 Watt lamps at 24 Volt with a clear diffuser and a night light

Name of the series	Number of lamps	Lamp	Power	Voltage	Colour of the diffuser	Option
R2820	2	TL8	18W	24V	clear	night light



General specifications

Fitting type	Surface mounted
Casing	Impact resistant polycarbonate, Ø40 mm
Colour of the casing	Clear
Colour of the end caps	Grey
Mounting of the end caps	Slide system
Double voltage	Automatic switch-over between power supply via AC-DC converter and battery power using a separate power switch (see LED catalogue page 6.04)
Available voltages	12 or 24 Volt DC (other voltages on request)
Light source	Philips TL8 tubes
Standard colour of the light source	840 (other colours on request)
Twin lamp (next to each other)	No
Watertight	Yes
Continuous lighting system	No
Switch	No
Motion sensor	No
Night light	No
Dimmable	Option, 2 positions (30 / 100%)

[From page 18.02 you will find more technical information](#)

R2826 series

Watertight surface mounted fluorescent fitting

13.19
TL-2020-R1

Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)		Surface mounted size (L x W x H in mm)
			12V DC	24V DC	
TL8-Tubes					
1 x 15	1 x TL8	1000	1.32	0.65	673 x 57 x 56
1 x 18	1 x TL8	1350	1.48	0.73	825 x 57 x 56
1 x 30	1 x TL8	2400	2.30	1.14	1130 x 57 x 56
1 x 36	1 x TL8	3350	2.34	1.19	1435 x 57 x 56
1 x 38	1 x TL8	3200	2.50	1.30	1280 x 57 x 56






Ordering example

R2826 fitting with one TL8-18 Watt lamps at 24 Volt, dimmable

Name of the series	Number of lamps	Lamp	Power	Voltage	Option
R2826	1	TL8	18W	24V	dimmable

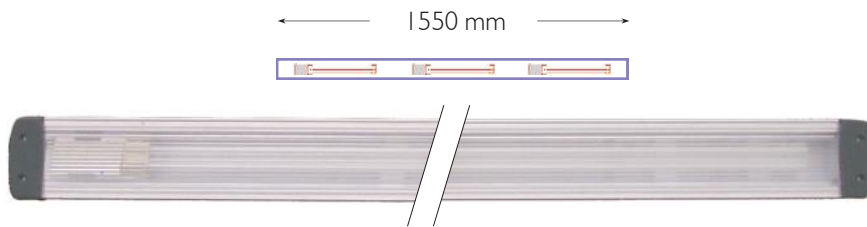
As the aluminium bases and the polycarbonate diffusers are extruded, we are able to manufacture light fittings in any requested length. A light fitting of maximum 3 meter long is possible. Here you can see some examples per fitting type. We can only show a few examples in this catalogue. For other possibilities, please contact us.

Legend

Inverter 12 or 24 Volt DC in casing	
Inverter 230 Volt AC (single or double lamps)	
Inverter in frame 12 or 24 Volt DC with compact lamp	
TL-tube	
Aluminium profile	

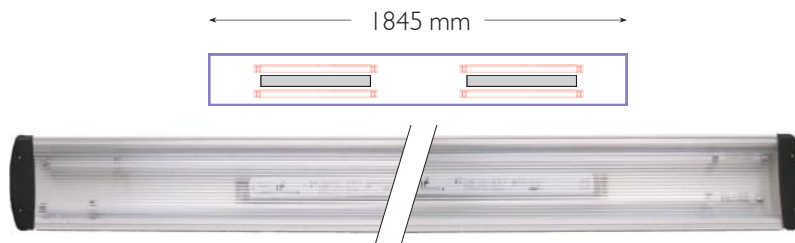
Stream WT series

Stream WT/1550mm/3xPLL36 Watt/24 Volt



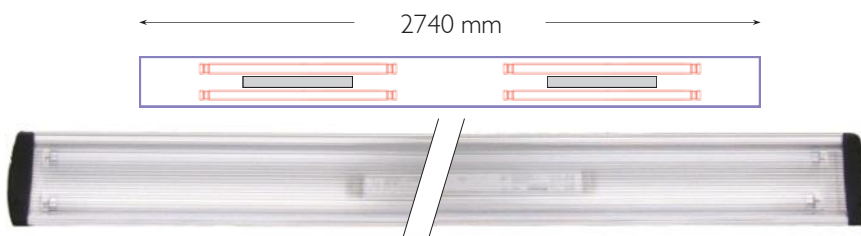
Canal 28 WT series

Canal 28 WT/1845mm/2 x (2x21 Watt)/230 Volt



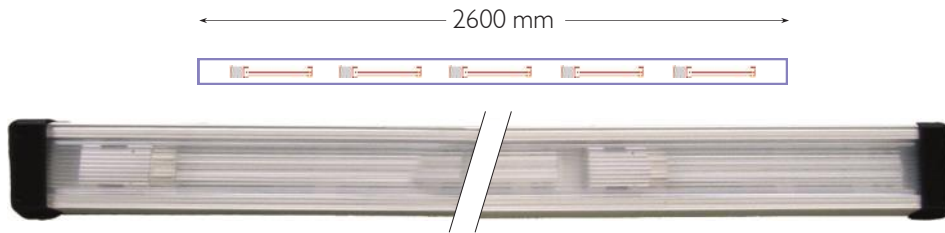
Canal 38 WT series

Canal 38 WT/2740mm/2 x (2x36 Watt)/230 Volt



Edge WT series

Edge WT/2600mm/5xPLL24 Watt/24 Volt



14

Explosion proof fluorescent fittings



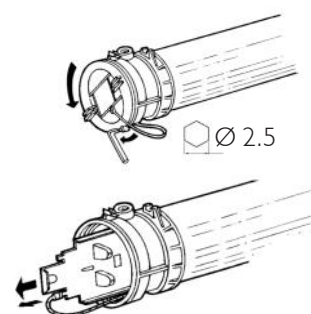
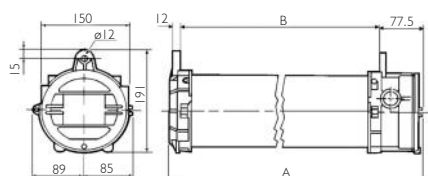
R2830 series 14.02



General specifications

Fitting type	Surface mounted
Housing	Pressure proof "D"
Explosion class	Ex d IIC T6
Conformity 'EX standard'	EN / IEC 60079-0; 60079-1; 61241-0; 61241-1
Conformity 'Product standard'	EN / IEC 60598-1; 60598-2-22-NFC 71800; 71820
Conformity 'EMC standard'	EN / IEC 55015; 61547
Certificate	LCIE 97 ATEX 6012
Protection	IP68 (EN / IEC 60529)- IK08 (EN / IEC 62262)
Ambient temperature	-20 °C to +55 °C
Double voltage	No
Available voltages	12 or 24 Volt DC (other voltages on request)
Light source	Philips TL8 tubes, PLL compact lamps
Standard colour of the light source	840 (other colours on request)
Twin lamp (next to each other)	Yes
Watertight	Yes
Continuous lighting system	No
Switch	No
Motion sensor	No
Night light	No
Dimmable	No



From page 18.02 you will find more technical information



R2830 series

Explosion proof, dust proof and watertight IP68 fluorescent fitting

14.03
TL-2020-R1

Power (Watt)	Lamp	Light output (Lumen)	Current (Ampere)		Fitting	Cable gland 	Dimensions (mm)	
			12V DC	24V DC			A	B
TL8-Tubes								
1 x 18	1 x TL8	1350	1.48	0.73	G13	3/4 npt	745	650
2 x 18	2 x TL8	2700	2.96	1.46	G13	3/4 npt	745	650
Compact lamps 								
1 x 18	1 x PLL	1200	1.41	0.70	2G11	3/4 npt	430	335
2 x 18	2 x PLL	2400	2.82	1.40	2G11	3/4 npt	430	335
1 x 36	1 x PLL	2900	2.30	1.14	2G11	3/4 npt	745	650
2 x 36	2 x PLL	5800	4.60	2.28	2G11	3/4 npt	745	650

 These fittings are suitable for low temperature applications (see page 18.03)

 The cable gland must be ordered separately! Mounting brackets are available at a surcharge.




Ordering example

R2830 fitting with one TL8-18 Watt lamps at 24 Volt with an 3/4 npt cable gland

Name of the series	Number of lamps	Lamp	Power	Voltage	Cable gland
R2830	1	TL8	18W	24V	3/4 npt

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Beacon lamps

	Beacon lamp AEB 595	15.02
	Beacon lamp AEB 590	15.03
	Accessories for AEB 590	15.04

Beacon lamps

Flat base mounting, IP65 watertight

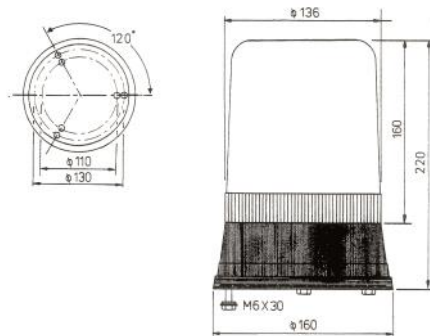
15.02
TL-2020-R1



AEB 595

Current (Ampere)	Material Housing/Diffuser	Lamp	Frequency (RPM)	Mounting
12V: 4.75	ABS/PMMA	HI 12V, 55W / P14.5s	180 +/- 30	Flat base
24V: 3.00	ABS/PMMA	HI 24V, 70W / P14.5s	180 +/- 30	Flat base
230V: 0.25	ABS/PMMA	HI 12V, 55W / P14.5s	160 +/- 30	Flat base

Colour	12 Volt DC	24 Volt DC	230 Volt AC, 50 Hz	Approvals (only 12 or 24 Volt)
Amber	AEB595/12/O	AEB595/O	AEB595/230/O	K18617 E-approval: A E2 0089004 EMC 95/54/EC
Blue	AEB595/12/B	AEB595/B	AEB595/230/B	K18618 E-approval: A E2 0089004 EMC 95/54/EC
Red	AEB595/12/R	AEB595/R	AEB595/230/R	EMC 95/54/EC
Green	AEB595/12/G	AEB595/G	AEB595/230/G	EMC 95/54/EC
Clear	AEB595/12/H	AEB595/H	AEB595/230/H	EMC 95/54/EC



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Beacon lamps

Pipe mounting, IP65 watertight

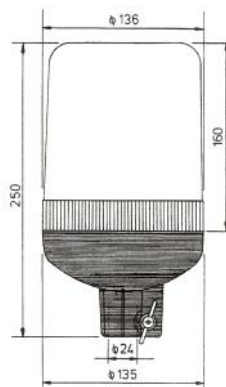
15.03
TL-2020-R1



AEB 590





Current (Ampere)	Material Housing/Diffuser	Lamp	Frequency (RPM)	Mounting
12V: 4.75	ABS/PMMA	HI 12V, 55W / P14.5s	180 +/- 30	Pipe
24V: 3.00	ABS/PMMA	HI 24V, 70W / P14.5s	180 +/- 30	Pipe
230V: 0.25	ABS/PMMA	HI 12V, 55W / P14.5s	160 +/- 30	Pipe

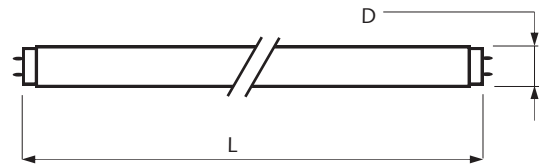
Colour	12 Volt DC	24 Volt DC	230 Volt AC, 50 Hz	Approvals (only 12 or 24 Volt)
Amber	AEB590/12/O	AEB590/O	AEB590/230/O	K18617 E-approval: A E2 0089004 EMC 95/54/EC
Blue	AEB590/12/B	AEB590/B	AEB590/230/B	K18618 E-approval: A E2 0089004 EMC 95/54/EC
Red	AEB590/12/R	AEB590/R	AEB590/230/R	EMC 95/54/EC
Green	AEB590/12/G	AEB590/G	AEB590/230/G	EMC 95/54/EC
Clear	AEB590/12/H	AEB590/H	AEB590/230/H	EMC 95/54/EC



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Lamps

	T5.....	16.02
	TL8.....	16.02
	PLS-4p.....	16.03
	PLL.....	16.03



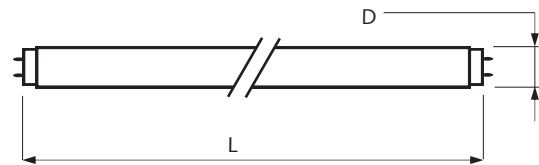
TL-tubes T5 HE (high efficiency)

Article number/ Colour number	Power (Watt)	Light output (Lumen *)	Lamp holder	L = Length (mm)	D = ø tube (mm)
TL14/827/830/840	14	1200/1200/1200	G5	549	16
TL21/827/830/840	21	1900/1900/1900	G5	849	16
TL28/827/830/840	28	2600/2600/2600	G5	1149	16
TL35/827/830/840	35	3300/3300/3300	G5	1449	16

* The indicated light output can only be achieved on 100% load and the optimum temperature

T5 fittings are only suitable for use at room temperature.

Before T5 tubes can be dimmed, they need to be used for a minimum of 100 hours at 100%.

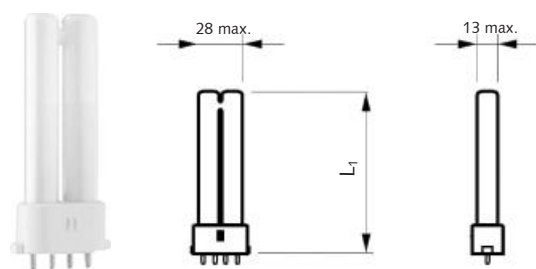


TL-tubes TL8

Article number/ Colour number	Power (Watt)	Light output (Lumen *)	Lamp holder	L = Length (mm)	D = ø tube (mm)
TL8/827/830/840	8	420/420/420	G5	288	16
TL13/827/830/840	13	950/950/950	G5	517	16
TLD15/827/830/840	15	1000/1000/1000	G13	438	26
TLD18/827/830/840	18	1350/1350/1350	G13	590	26
TLD30/827/830/840	30	2400/2400/2400	G13	895	26
TLD36/827/830/840	36	3350/3350/3350	G13	1200	26
TLD38/830/840	38	3200/3200	G13	1047	26
TLD58/827/830/840	58	5200/5200/5200	G13	1500	26

* The indicated light output can only be achieved on 100% load and the optimum temperature

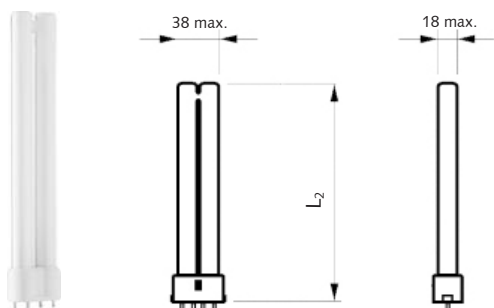
PLS 4p lamps



Article number/ Colour number	Power (Watt)	Light output (Lumen *)	Lamp holder	L ₁ = Length (mm)
PLS5 827/4P or 840 4P	5	250/250	2G7	85
PLS7 827/4P or 840/4P	7	400/400	2G7	115
PLS9 827/4P or 840/4P	9	600/600	2G7	145
PLS11 827/4P, 830/4P or 840/4P	11	900/900/900	2G7	215

* The indicated light output can only be achieved on 100% load and the optimum temperature

PLL 4p lamps





Article number/ Colour number	Power (Watt)	Light output (Lumen *)	Lamp holder	L ₂ = Length (mm)
PLL18 827/4P, 830/4P or 840/4P	18	1200/1200/1200	2G11	225
PLL24 830/4P or 840/4P	24	1800/1800	2G11	315
PLL24 830/4P or 840/4P polar	24	1800/1800	2G11	315
PLL36 830/4P or 840/4P	36	2900/2900	2G11	415
PLL36 830/4P or 840/4P polar	36	2900/2900	2G11	415

* The indicated light output can only be achieved on 100% load and the optimum temperature

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Inverters

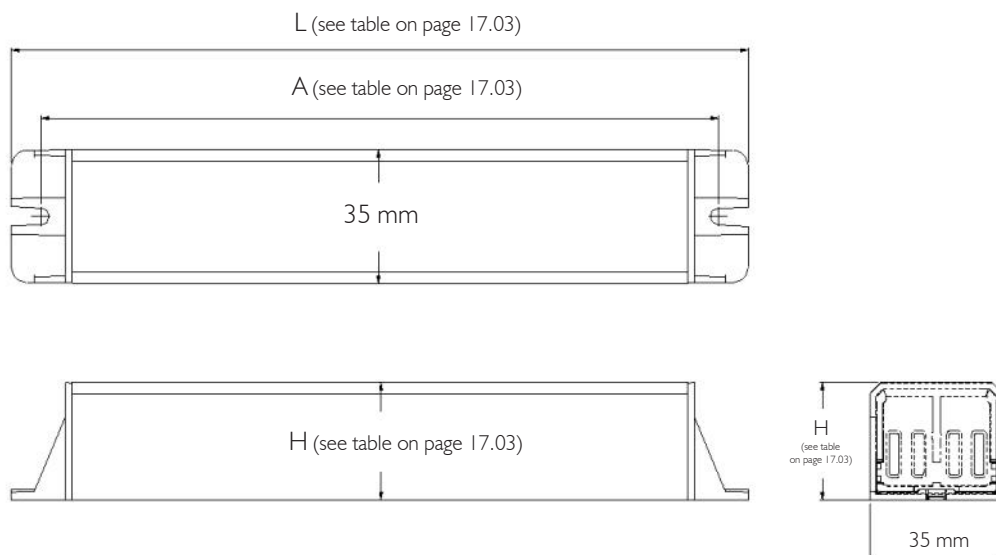
 DEMCO 12 and 24 Volt DC.....	17.02
 Electronic ballasts 230 Volt AC.....	17.04







General specifications

Manufacturer	Dutch Electro
Brand	DEMCO
Construction	Aluminium with white powder coating
Supply voltage	12 or 24 Volt DC
Supply voltage range	* 10-16 Volt DC (12 Volt DC version) (16 Volt DC is peak voltage!) * 20-32 Volt DC (24 Volt DC version) (32 Volt DC is peak voltage!)
Suitable for lamps	Fluorescent tubes TL8 and T5, Fluorescent compact lamps PLS and PLL
'Soft start'	Yes (suitable for frequent switching)
Internal operating frequency	22-50 kHz (depending on version)
Maximum ambient temperature	60°C (12 Volt DC version), 50°C (24 Volt DC version)
Emission norm	EN55015
Immunity norm	IEC 61000-4-3, IEC 61000-4-4 and 95/54/EG
Dimmable	Option, 2 positions (30 / 100%)
E-approval	e4 031729


Dimensions



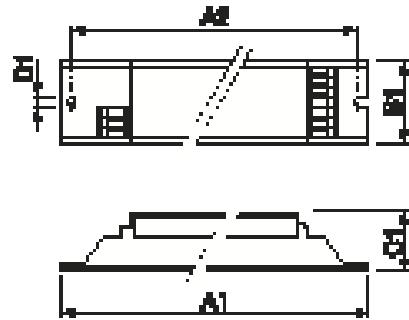
DEMCO inverters PLS, PLL and TL8

Model/Article number	Connection	Voltage (DC)	Lamp (Watt)	Weight (kg)	Dimensions (mm)		
					L	A	H
 H.DEM-I.13/12 low version	Tabs	12	TL: 8, 13; PLS 4p: 5, 7, 9, 11	0.10	133	120	25
 H.DEM-I.36/12 low version H.DEM-I.36/24 low version	Tabs	12 or 24	TL: 15, 18, 30, 36, 38 PLL: 18, 24, 36	0.15	195	180	25
 H.DEM-I.36/12 dimmable low version	Tabs	12	TL: 15, 18, 30, 36, 38 PLL: 18, 24, 36	0.15	195	180	25
 H.DEM-2.18-1.36/24M	Tabs	24	TL: 2x15, 2x18, 1x30, 1x36, 1x38; PLL: 2x18 (for marine applications)	0.20	195	180	32

DEMCO inverters T5

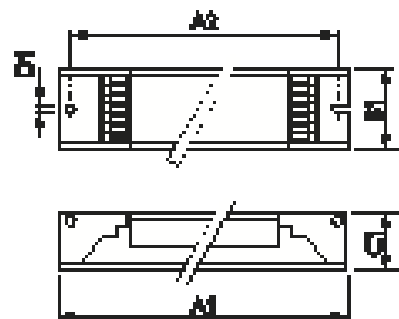
 H.DEM-I4-35/12 low version	Tabs	12	T5: 14, 21, 28, 35	0.15	195	180	25
 H.DEM-I4-35/12 dimmable low version	Tabs	12	T5: 14, 21, 28, 35	0.15	195	180	25

These DEMCO inverters are only suitable for T5 HE (high efficiency) fluorescent tubes.
T5 fittings are only suitable for use at room temperature.
Before T5 tubes can be dimmed, they need to be used for a minimum of 100 hours at 100%.



General specifications

- Ideal for applications with high switching frequency
- Unique benefits of the new Philips ELL technology:
 - * Miniaturised 280 mm length for total HF-Basic TL-D/PL-L and HF-Performer TL-D range
 - * Simplified portfolio allowing flexible, modular luminaire design
 - * Cooler product allows more compact luminaire design
 - * Fast preheat for short ignition time (0.5 seconds)
 - * Universal connector for both manual and automatic wiring
- Programmed warm start preheats the lamp electrodes for flicker-free on/off switching without reducing useful life
- 50% longer lamp life than with conventional ballasts
- Up to 25% energy saving at same luminous flux, compared with conventional ballasts
- Smart Power: constant light independent of mains voltage fluctuations
- Protected against excessive mains voltages
- Automatic safety stop activated within 5 seconds of lamp failure; automatic reset after lamp replacement



For the dimmable versions:

- Continuous variable from 0 to 100%
- Universal control signal 1-10 Volt

Warning:

T5 fittings are only suitable for use at room temperature.

Before T5 tubes can be dimmed, they need to be used for a minimum of 100 hours at 100%.

Specifications of standard electronic ballasts for TL8 lamps

Article number	For 1 x TL8-lamp			For 2 x TL8-lamps			
	HF-P 1.18	HF-P 1.36	HF-P 1.58	HF-P 2.18	HF-P 2.36	HF-P 2.58	
For lamp	1xTL8-18	1xTL8-36 1xTL8-38	1xTL8-58	2xTL8-18	2xTL8-36 2xTL8-38	2xTL8-58	
Input voltage	V	198/264		198/264			
Mains frequency	Hz	50-60		50-60			
Mains current at 230V	A	0.08	0.16	0.25	0.16	0.32	0.51
Power factor		> 0.96c		> 0.96c			
Operating frequency	kHz	> 42		> 42			
Temperature range	C	-25° to +55°		-25° to +55°			
Length A1	mm	280		280			
Width B1	mm	30		30			
Height C1	mm	28		28			
Distance A2	mm	265		265			
Hole diameter D1	mm	4.2		4.2			
Weight	g	225	400	222	236	400	247

Specifications of dimmable electronic ballasts for TL8 lamps

Article number	For 1 x TL8-lamp			For 2 x TL8-lamps			
	HF-R1.18	HF-R1.36	HF-R1.58	HF-R2.18	HF-R2.36	HF-R2.58	
For lamp	1xTL8-18	1xTL8-36	1xTL8-58	2xTL8-18	2xTL8-36	2xTL8-58	
Input voltage	V	198/254		198/254			
Mains frequency	Hz	50-60		50-60			
Mains current at 230V	A	0.08	0.17	0.25	0.15	0.32	0.51
Power factor		approx. 0.95c	approx. 0.95c	approx. 0.95c	approx. 0.95c	approx. 0.95c	
Temperature range	C	-20° to +50°		-20° to +50°			
Length A1	mm	360		360			
Width B1	mm	30		30			
Height C1	mm	22		22			
Distance A2	mm	350		350			
Hole diameter D1	mm	4.2		4.2			
Weight	g	285	260	270	255	295	325

Specifications of standard electronic ballasts for T5 lamps

		For 1 x T5-lamp	For 2 x T5-lamps
Article number		HF-P1. 14-35	HF-P2.14-35
For lamp		1xT5- 14/21/28/35W	2xT5- 14/21/28/35W
Input voltage	V	198/254	198/254
Mains frequency	Hz	50-60	50-60
Mains current at 230V	A	0.18	0.37
Power factor		approx. 0.96c	approx. 0.96c
Temperature range	C	-25° to +50°	-25° to +50°
Length A1	mm	360	360
Width B1	mm	30	30
Height C1	mm	22	22
Distance A2	mm	350	350
Hole diameter D1	mm	4.2	4.2
Weight	g	260	295

Specifications of dimmable electronic ballasts for T5 lamps

		For 1 x T5-lamp	For 2 x T5-lamps
Bestelnummer		HF-R1. 14-35	HF-R2. 14-35
For lamp		1xT5- 14/21/28/35W	2xT5- 14/21/28/35W
Input voltage	V	198/254	198/254
Mains frequency	Hz	50-60	50-60
Mains current at 230V	A	0.15	0.15
Power factor		approx. 0.95c	approx. 0.95c
Temperature range	C	-20° to +50°	-20° to +50°
Length A1	mm	360	360
Width B1	mm	30	30
Height C1	mm	22	22
Distance A2	mm	350	350
Hole diameter D1	mm	4.2	4.2
Weight	g	260	295

Specifications electronic ballasts of Philips for PLS and TL8 lamps

		For 1 x PLS or 1 x TL8 Watt lamp	For 1 x 13W lamp
Article number		HF-109SH/RED	HF-114SH/RED
For lamp		1xPLS7/9/11 Watt 1 x TL8 Watt	1 x TL13 Watt
Input voltage	V	194/254	194/254
Mains frequency	Hz	50-60	50-60
Mains current at 230V	A	0.05	0.06
Temperature range	C	-10° to +40°	-10° to +40°
Length	mm	80	80
Width	mm	40	40
Height	mm	22	22
Distance	mm	70	70
Hole diameter	mm	4.4	4.4
Weight	g	34	35

18

Technical information TL

Anticipation of power problems	18.02
Calculation of voltage loss in copper wiring	18.02
Light output lamps	18.03
Illumination at low temperatures	18.03
Cable gland for cable entry	18.03
Cleaning diffusers	18.03

Anticipation of power problems

Battery chargers

DEMCO 12 and 24 Volt light fittings with fluorescent - and compact lamps are to be powered by DC current. The DC current is to be drawn from either a battery or a battery charger that has a good DC output without peak voltages.

Problems often occur when the electric power is drawn directly from a battery charger and the battery is disconnected. In this case peak voltages can damage the electronics. Therefore a battery charger should always be connected to the battery, and **never** direct to the light fittings. The battery functions as a capacitor and levels off the peak voltages of the battery charger.

Wiring to light fittings

Light fittings with fluorescent lamps and compact lamps are to be connected directly to the battery. No other "consumers" should be allowed on the wiring to the battery, in order to avoid induction currents. Induction currents are hazardous to the electronics of the light fittings. Therefore the electric circuits of lighting and other "consumers" always are to be separated.

Low voltages

DEMCO inverters operate even below their nominal voltage. When the voltage is too low, the inverters will try to supply the necessary current for the fluorescent lamps: the electronic components get too hot and their life time is shortened substantially.

For example these problems occur when:

- the battery of mobile vehicle shops will not be charged in a proper way when the engine doesn't run enough. When the lighting is operated continuously, the battery will have a too low voltage to supply the light fittings in a proper way;
- installations have too thin wiring and will face voltage loss (see below).

Calculation of voltage loss in copper wiring

Too thin copper wiring will cause a voltage loss.

When the voltage loss is too high, the light fittings operate at a voltage that is too low.

This causes:

- difficult starting in cold circumstances;
- reduction of the life time of inverters;
- reduction of the life time of fluorescent lamps.

The maximum voltage loss should not exceed 5%.

With the following formula the voltage loss in a copper cable can be calculated:

$$\frac{2 \times \text{distance between battery and light fittings (m)} \times \text{factor } 0.0175}{\text{cable diameter in mm}^2} \times \text{amperes (total current of the light fittings)} = \text{voltage loss}$$

In a 12 Volt installation the voltage loss should not exceed $5\% \times 12 \text{ Volt} = 0.6 \text{ Volt}$ and in a 24 Volt installation the voltage loss should not exceed $5\% \times 24 \text{ Volt} = 1.2 \text{ Volt}$.

Example: a truck fitted with 10 light fittings of 1.5 ampere each, distance to the battery is 15 meter, cable diameter is 2.5 mm² has a voltage loss of:

$$\frac{2 \times 15 \times 0.0175}{2.5} \times (10 \times 1.5) = 3.15 \text{ Volt.}$$

The outcome of the formula shows that either in a 12 Volt or 24 Volt installation this voltage loss exceeds the 5% mark. This can be solved by mounting thicker or more copper cables in our example.

Light output lamps

The Lumen per watt ratio of a common light bulb is approximately 10 Lumen per Watt. The largest part of the energy consumption is converted into heat! Only 5% is converted into light!

Fluorescent tubes and compact lamps generate less heat. The Lumen per Watt ratio of a PLS I I Watt compact lamp at room temperature is 80 Lumen per Watt.

Illumination at low temperatures

At low ambient temperatures a light fitting equipped with a PLS I I Watt fluorescent compact lamp has -in combination with the DEMCO inverters- a **2 to 3 times higher** light output than a light fitting equipped with the often used 8 or 13 Watt fluorescent tube!

Research from Philips and in our own laboratory shows that the light output of a fluorescent compact lamp at low temperatures can be increased by the application of a cap on the outer end of a compact lamp, the so called heat cap. Dutch Electro applies this heat cap in all light fittings equipped with fluorescent compact lamps (PLS and PLL).

Besides the standard compact lamps, Philips has developed a special fluorescent compact lamp that is very suitable for illumination at low temperatures: the PLL 24 Watt **Polar** and PLL 36 Watt **Polar**. These fluorescent compact lamps have an even higher light output at low temperatures than the standard fluorescent compact lamps. The standard compact lamps as well as the Polar compact lamps are suitable for low temperature applications.

Please inquire for more specific information on illumination at low temperatures.

Cable gland for cable entry

The application of a cable gland for cable entry makes a fitting air tight. In case of large temperature fluctuations, there will occur a pressure difference and the **possibility of water leakage!** Therefore we don't advise the application of a cable gland.

If the fitting is mounted water tight -for example by sealing the fitting to the surface of the vehicle- the application of a cable gland is not necessary.

Cleaning diffusers

Dutch Electro fluorescent fittings are, in general, equipped with polycarbonate diffusers. These diffusers need to be cleaned in the following order:

- *Dusting*
Dust with a soft, damp cloth or chamois. Dry or gritty cloths may cause surface scratches and create a static electric charge on the surface of the polycarbonate diffusers.
- *Lukewarm cleaning*
Clean polycarbonate diffusers with mild soap and lukewarm water. Use a clean soft cloth, applying only light pressure. Rinse with clean water and dry by blotting with a damp cloth or chamois.
- *Do not apply*
Window cleaning sprays, kitchen scouring compounds or solvents such as acetone, gasoline, alcohol, oils, carbon tetrachloride or lacquer thinner or any substance that is not compatible with these polycarbonate diffusers. These can scratch the surface and / or weaken the products causing small surface cracks called 'crazing'.

