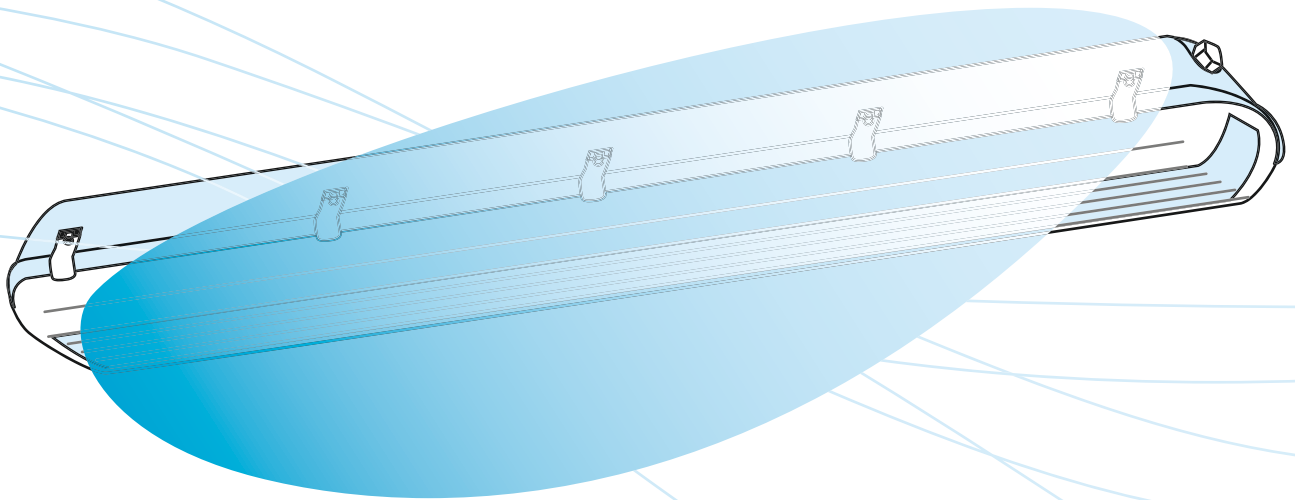




LED-MP-Waterproof luminaries for humid areas with diffuser

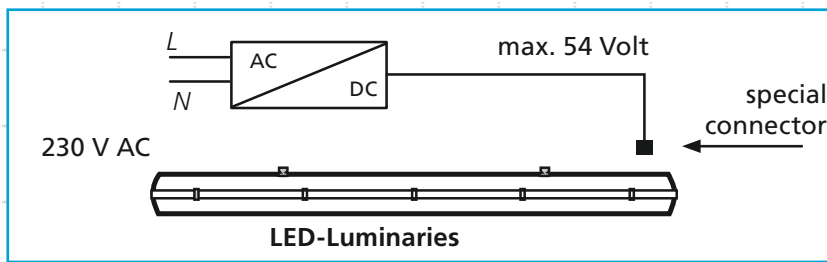
The LED-luminary is suitable for indoor and outdoor applications in industrial areas, sports fields, workshops, garages, agricultural buildings and halls.



The LED-Luminary contains LED-RE lamps and associated Power LED power supply. The components are replaceable. The LED-Luminary is equipped with flush-mounted clips for attaching a diffuser (cover). The polycarbonate housing is impact and heat resistant. The clips are made of metal. A polyurethane seal integrated into the LED-Luminary ensures IP 66 protection.

The LED-Luminary is resistant to dust, moisture and spray water. The cover has a shock resistance class of IK 08, which means that it is resistant to ball impacts. On request, the steel hooks can also be replaced by steel eyebolts.

Operation



Different versions of the LED-Luminaries are available. Power is provided by a separate Power LED power supply. In contrast to conventional luminaries with fluorescent tubes, there is no delay in switching on these lights. Brightness is thus available immediately when the unit is switched on. The start-up time that is familiar from conventional fluorescent tubes is avoided here, meaning that instantaneous lighting is provided.

The light emitted is flicker-free and thus presents no hazard to people who are sensitive to conventional fluorescent tubes. The LED-Luminary is insensitive to short switching intervals. Whereas standard fluorescent tubes are only economical in continuous operation, the LED-Luminary is also suitable for applications with frequent switching.

Technical Data LED-Luminaries

Model/Parameter	LED-WL-xF-MP-RE-600-Dxx			LED-WL-xF-MP-RE-1200-Dxx			LED-WL-xF-MP-RE-1500-Dxx		
Light source	measure [mm]		weight	measure [mm]		weight	measure [mm]		weight
	A	D		A	D		A	D	
Single tube	662	350	2,1 kg	1272	700	3,5 kg	1572	940	4,1 kg
double tube	662	350	3,1 kg	1272	700	4,7 kg	1572	940	5,7 kg
Diffusor / cover	PC-UV with high impact resistance structured plastic								
Diffusor / cover colour	milky								
Ambient temperature	-25°C bis +50°C								
Housing	Polykarbonat (PC-UV) and metal clips								
Housing colour	gray								
Seal	Polyurethan								
Illustration of the wet room LED-Luminary	<p>The illustration shows the LED-Luminary with dimensions A and D for the tube length, and 145, 95, 100, and 111 for the housing dimensions.</p>								

Electric Installation **LED-Luminaries**

Model/Parameter		LED-WL-xF-MP-RE-600-Dxx	LED-WL-xF-MP-RE-1200-Dxx	LED-WL-xF-MP-RE-1500-Dxx
Supply voltage		220V to 240V		
Mains supply frequency		50Hz bis 60Hz		
Rated current	Single tube	0,19 A		
	Double tube	0,38 A		
Main connection		clip 3-pole, 1,0mm ² to 2,5mm ²		
Current consumption of Power LED power supply	Single tube	700 mA		
	Double tube	1x700 mA	2x700 mA	2x700 mA

Technical Data **LED-RE lamp**

Model/Parameter	LED-WL-xF-MP-RE-600-Dxx	LED-WL-xF-MP-RE-1200-Dxx	LED-WL-xF-MP-RE-1500-Dxx
LED-Type	Middle Power LED, Construction 5630		
Typical power consumption of an LED-RE lamp, in Watts Single tube	13	26	33
Typical power consumption of an LED-RE lamp, in Watts Double tube	26	33	65
LED-Lifetime	> 50.000 hours ¹⁾		

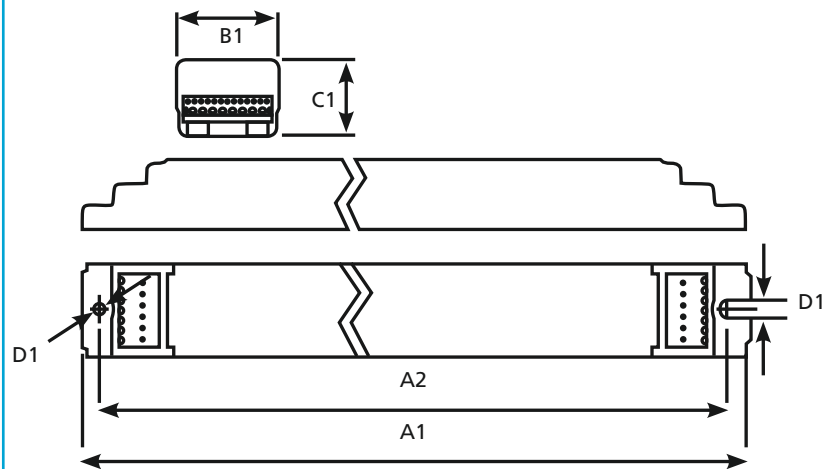
Optical properties **LED-RE lamp**

Model/Parameter		LED-WL-xF-MP-RE-600-Dxx	LED-WL-xF-MP-RE-1200-Dxx	LED-WL-xF-MP-RE-1500-Dxx
Colour temperature	D40	neutralwhite 4000K		
	D50	coldwhite 5000K		
	D65	daywhite 6500K		
Colour rendering index		>80 CRI ²⁾		
Luminous flux (Lumen) Single tube ⁴⁾	D40	1900	3800	4800
	D50			
	D65			
Luminous flux (Lumen) Double tube ⁴⁾	D40	3800	7600	9600
	D50			
	D65			

Technical Data Power LED power supply

Model/Parameter		
Mains input voltage range		220V to 240V AC RMS
Power factor λ		> 0,90 (typical 0,98) ³⁾
Efficiency at full load		88% typical
Overvoltage protection		4kV common mode 2kV differential
Input-output isolation		3,75kV AC RMS
Ambient temperature		-25°C to 50°C
Max. operating temperature		75°C
Moisture content		10 - 90% max. non-condensing
Trigger temperature		110°C resettable
Max. power output	Single tube	36 W
	Double tube	72 W
Output current tolerance		$\pm 5\%$
Total voltage across the LEDs		9V bis 54V
Residual ripple (current ripple)		$\leq 20\%$
Operating mode		constant power supply 700 mA
Dimmable		on request
Dimensions (LxWxH)		(A1) 424mm x (B1) 30mm x (C1) 26,5mm
Weight		362g

Diagram of power supply unit



General Information

Model/Parameter	LED-WL-xF-MP-RE-600-Dxx	LED-WL-xF-MP-RE-1200-Dxx	LED-WL-xF-MP-RE-1500-Dxx
Light properties	Flicker-free light in comparison to conventional fluorescent tubes, no UV or IR radiation, directed light		
Protection degree	IP 66		
Protection class	SK II		
Degree of protection against damaging mechanical stress (IK code, degree of shock resistance)	IK08		
Ignition and inflammation protection class	F		
Warranty	2 years		
Energy saving	Up to 65% immediate reduction in electricity consumption		
Energy label	A++		
Mounting type	LED circuit boards mounted in a replaceable profile (LED-RE lamps). Power LED power supply, mounted with spacers in the housing.		
Conformity	EnVKV, EN 61347-1, EN 61347-2-13, IEC/EN 61000-3-2, IEC/EN 61000-3-3, IEC/EN 61547:2009, EN 55015:2006:2007 + A1, IEC/EN 61000-4-5, IEC/EN 62471-1 + IEC/TR 62471-2, DIN EN 60529, DIN EN 62031:2009-01, CE-conform, RoHS-conform, WEEE-conform, ENEC certified, REACH-conform, directive 2006/95/EG, directive 2011/65/EU, directive 2009/125/EG		

Suspension methods

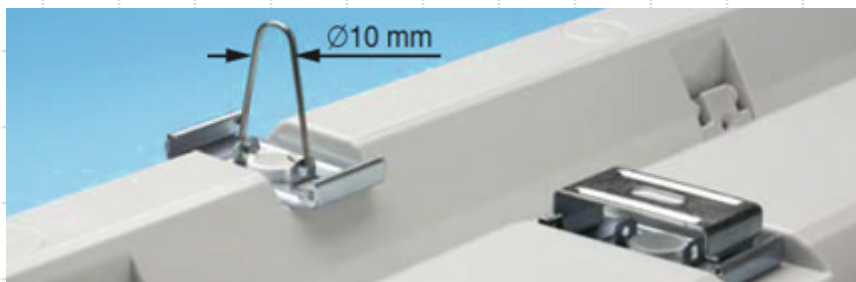


Image 1: steel hooks

- With steel hooks as standard accessories (Fig. 1)
- With steel eyebolts (10mm) - on request only (Fig. 2)
- Hanging the mounting plate during installation and/or repairs. (Fig. 3)
- The metal clip can be fitted with a screw to prevent easy opening. (Fig. 4)

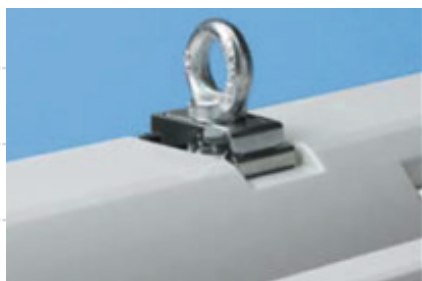


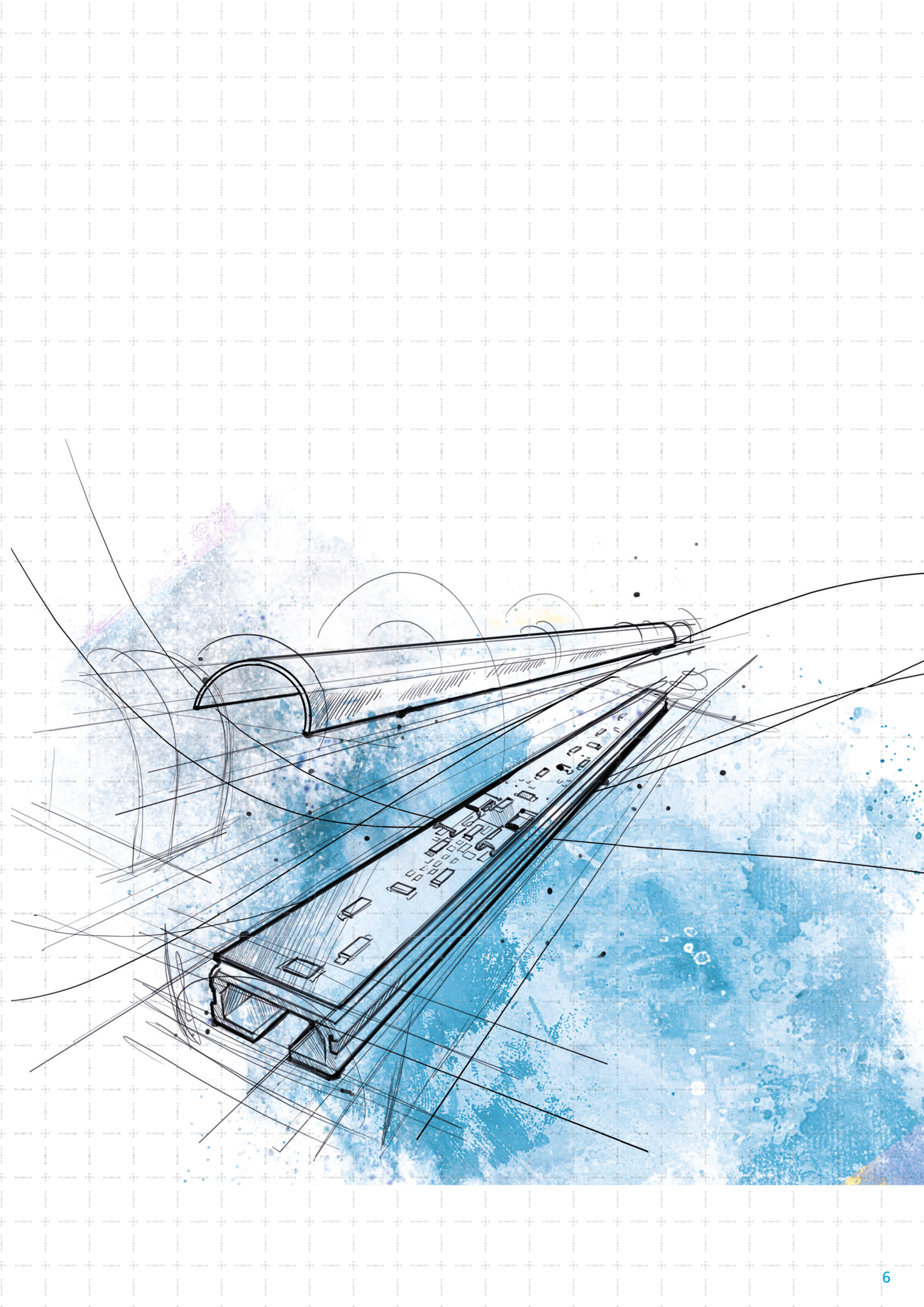
Image 2: steel eyebolts

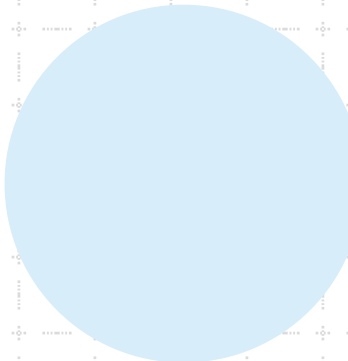
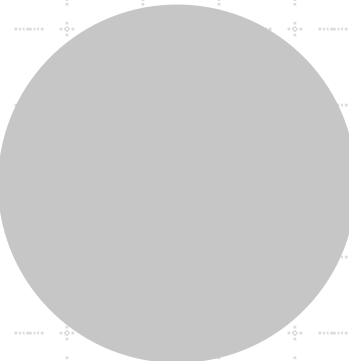
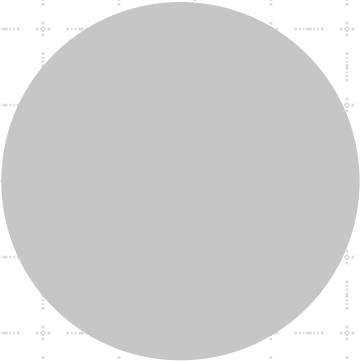
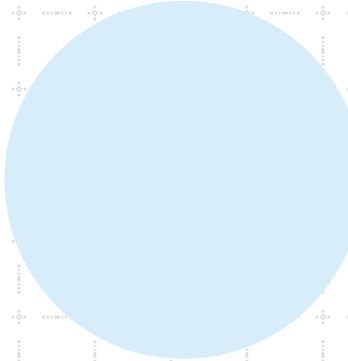
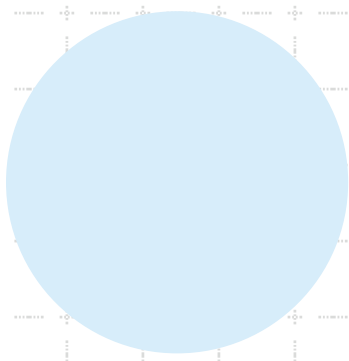
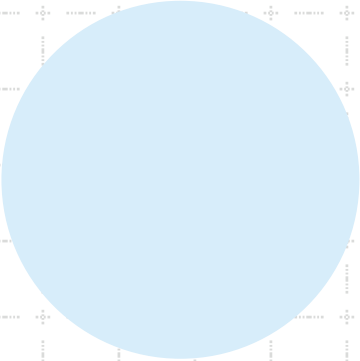
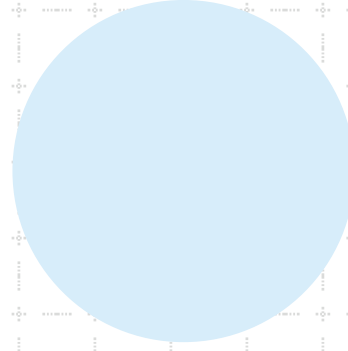
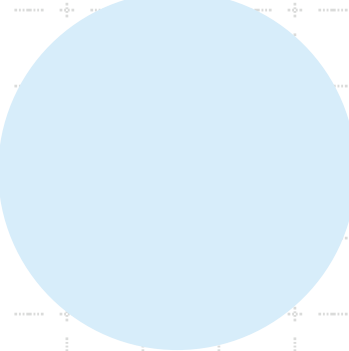
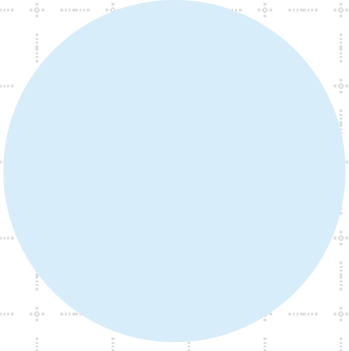


Image 3: Hanging the mounting plate



Image 4: Metal clip





Article designations/article numbers

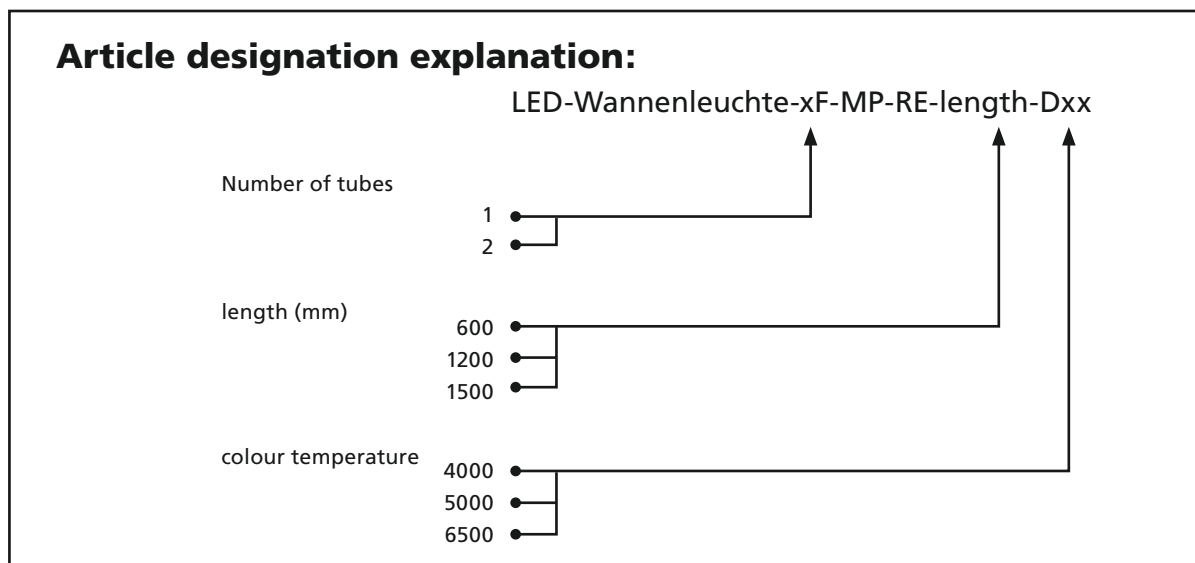
Single tubes LED-Luminaries

014024001	LED-Wannenleuchte-1F-MP-RE-600-D50
014024002	LED-Wannenleuchte-1F-MP-RE-600-D65
014024003	LED-Wannenleuchte-1F-MP-RE-600-D40
014024004	LED-Wannenleuchte-1F-MP-RE-1200-D50
014024005	LED-Wannenleuchte-1F-MP-RE-1200-D65
014024006	LED-Wannenleuchte-1F-MP-RE-1200-D40
014024007	LED-Wannenleuchte-1F-MP-RE-1500-D50
014024008	LED-Wannenleuchte-1F-MP-RE-1500-D65
014024009	LED-Wannenleuchte-1F-MP-RE-1500-D40

Double tubes LED-Luminaries

014024010	LED-Wannenleuchte-2F-MP-RE-600-D50
014024011	LED-Wannenleuchte-2F-MP-RE-600-D65
014024012	LED-Wannenleuchte-2F-MP-RE-600-D40
014024013	LED-Wannenleuchte-2F-MP-RE-1200-D50
014024014	LED-Wannenleuchte-2F-MP-RE-1200-D65
014024015	LED-Wannenleuchte-2F-MP-RE-1200-D40
014024016	LED-Wannenleuchte-2F-MP-RE-1500-D50
014024017	LED-Wannenleuchte-2F-MP-RE-1500-D65
014024018	LED-Wannenleuchte-2F-MP-RE-1500-D40

Further lightcolours and lengths on request.



The contents of this product data sheet are subject to errors and technical modifications.
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