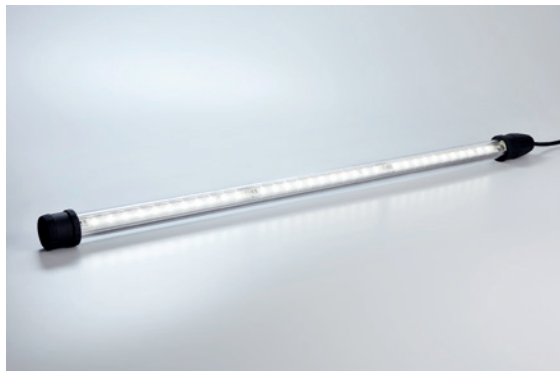


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- Degree of protection IP66 and IP68
- Type of protection Ex d
- Vibration-resistant, lightweight, robust (impact strength rating of IK10) and maintenance-free
- Many light fittings can be connected to single miniature circuit breaker due to incredibly low start-up current

WebCode **6036A**



The 6036 series compact LED tubular light fitting is ideal for general lighting applications and for use as machine lighting, even in relatively inaccessible places with very little space. This light boasts a long service life of up to 100,000 hours thanks to its use of energy-efficient LED technology, coupled with electronics that have been developed in-house by R. STAHL. Due to its robust construction, it can withstand extreme temperatures of between -55 °C and +60 °C.

Technical Data

Explosion Protection

Application range (zones)	1 2 21 22
IECEEx gas certificate	IECEEx EPS 13.0027
IECEEx gas explosion protection	Ex db op is IIC T4 Gb
IECEEx dust certificate	IECEEx EPS 13.0027
IECEEx dust explosion protection	Ex tb IIIC T100 °C Db
ATEX gas certificate	EPS 13 ATEX 1 597
ATEX gas explosion protection	Ex II 2 G Ex db op is IIC T4 Gb
ATEX dust certificate	EPS 13 ATEX 1 597
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC T100 °C Db
Certificates and approvals	ATEX IECEEx ship approval (DNV GL)
Certificates	ATEX (BVIS), IECEEx (BVIS)

Electrical Data

Rated operational voltage AC	24 – 48 V
Rated operational voltage DC	24 – 48 V
Frequency range	50 – 60 Hz

Lighting Data

Number of lamps	1
Lamp wattage	16 W
Lamp	Single-row LED
Light colour	Green
Light distribution	with diffuser
Luminaire efficacy	53 lm/W

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Lighting Data

Luminous flux	671 lm
Note	Values apply to T _a = +25 °C

Ambient Conditions

Ambient temperature	-40 °C ... +70 °C
Storage temperature	-40 °C ... +70 °C

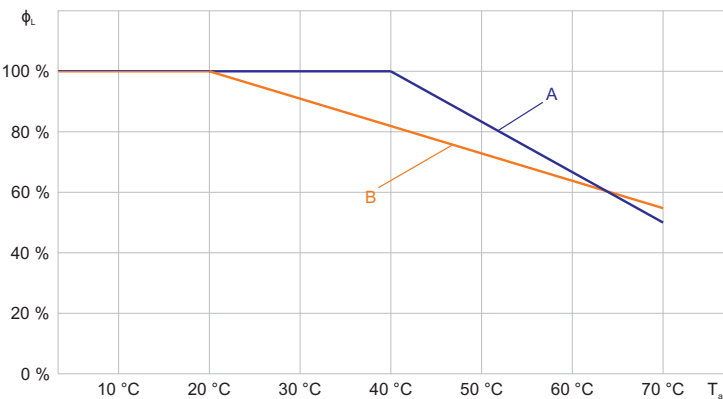
Mechanical Data

Version	Size 1
Degree of protection (IP)	IP66 / IP67
IP degree of protection (IEC 60598)	IP66 / IP68 (10 m / 60 min)
Class	II (double insulated)
Enclosure material	Polycarbonate
Silicone-free content	Silicone-free
Pipe material	Polycarbonate
Type of connection cable	H07RN8-F 2x1.5 mm ²
Cable length	2.5 m
Size	1
Width	54 mm
Height	54 mm
Length	444 mm
Diameter	54 mm
Impact strength (IEC 62262)	IK10
Weight	1 kg
Weight	2.2 lb

Components

Ballast	LED, CSS
Wire guard	No

Technical Drawings – Subject to Alterations



Luminous flux decrease at ambient temperature
A: Size 1 (110 ... 240 V)
B: Size 1 (24 ... 48 V)

Temperature T_s (°C)	Alloy A ϕ_L (%)	Alloy B ϕ_L (%)	Alloy C ϕ_L (%)
45	100	100	100
50	95	100	95
55	88	98	90
60	78	92	85

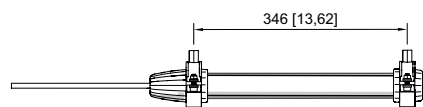
A: Size 2
B: Size 3
C: Size 4

[illegible]

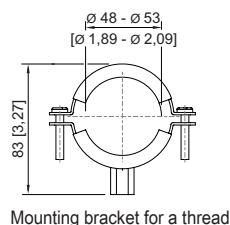
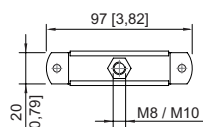
Luminaire with mounting bracket for a surface

Luminaire with mounting bracket for a surface and mounting plate

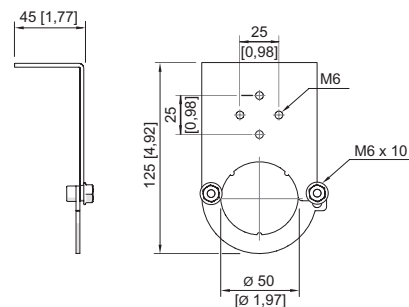
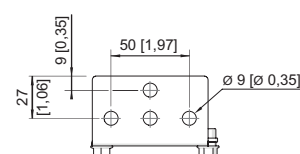
6036/1212-053-0121-14 Art. No. 262509



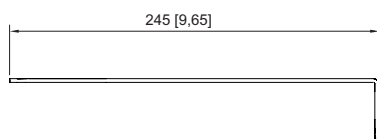
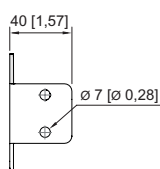
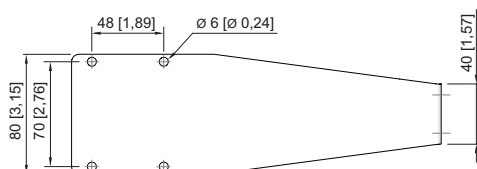
Luminaire with mounting bracket for a thread



Mounting bracket for a thread



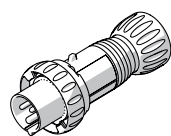
Mounting bracket for surfaces



Mounting plate

Accessories

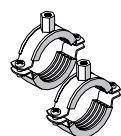
Plug



8573/12-200 2-pole, 20 to 25 V, 50 / 60 Hz, 16 A	243197
8573/12-210 2-pole, 20 to 25 V, DC, 16 A	243203
8573/12-300 3-pole, 20 to 25 V, 50 / 60 Hz, 16 A	243190
8573/12-312 3-pole, 40 to 50 V, 50 / 60 Hz, 16 A	243195
8570/12-304 3-pole, 100 to 130 V AC, 50 / 60 Hz, 16 A	257778
8570/12-306 3-pole, 200 to 250 V AC, 50 / 60 Hz, 16 A	257780

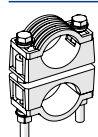
Art. No.

Mounting bracket



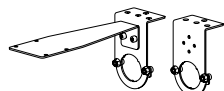
Mounting bracket made of galvanised sheet steel to screw onto thread M8 or M10 (2 pieces)	227256
Mounting bracket made of stainless steel V4A to screw onto thread M8 or M10 (2 pieces)	227257

Art. No.



Double mounting bracket made of plastic for mounting of pipes with a diameter of 45 ... 55 mm (Screws and nuts made of stainless steel V2A) (2 pieces)	254932
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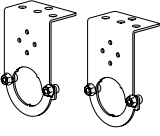
Art. No.



Set of mounting plate Art. no. 254494 and mounting bracket Art. no. 252940	248100
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Art. No.

6036/1212-053-0121-14 Art. No. 262509

	Mounting bracket made of stainless steel V4A for fastening on surfaces (2 pieces)	252940
	Mounting bracket made from galvanised sheet steel (x 2 units); for design size 1	120535
	Mounting plate made of stainless steel V4A for terminal box Ex e Series 8010 (for example Art. No. 130724) for fastening on mounting bracket Art. No. 252940	254494
Mounting bracket and magnet		Art. No.
	Mounting bracket made from galvanised sheet steel with magnetic base (x 2 units); for design size 1	120536

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.