

6036/1212-055-0151-11 Art. No. 257191



- 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 gas explosion protection	Ex db op is IIC T.. Gb
IECEEx dust certificate	IECEEx EPS 13.0027
IECEEx dust explosion protection	Ex tb IIIC T100 °C Db
IECEEx dust explosion protection	Ex tb IIIC T.. 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 gas explosion protection	Ex II 2 G Ex db op is IIC T.. Gb
ATEX dust certificate	EPS 13 ATEX 1 597
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC T100 °C Db
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC T.. Db
EAC certificate	EAEU RU S-DE.HA91.B.00010/19
EAC gas explosion protection	Ex 1 Ex d op is IIC T4 Gb
EAC dust explosion protection	Ex Ex tb IIIC T100°C Db
Certificates	ATEX (BVIS), China (NEPSI), IECEEx (BVIS), India (PESO), Korea (KTL)

Electrical Data

Rated operational voltage AC	110 – 240 V
Rated operational voltage DC	110 – 240 V
Nominal current	0.13 – 0.13 A
Power factor	≥ 0.85 ≥ 0.90

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Electrical Data

Frequency range	50 – 60 Hz				

Lighting Data

Number of lamps	1
Lamp wattage	16 W
Lamp	Single-row LED
Light colour	Neutral white
Luminaire efficacy	73 lm/W
Luminous flux	1160 lm
Colour rendering	≥ 80
Colour temperature	5000 K
Note	Values apply to T _a = +25 °C

Ambient Conditions

Ambient temperature	-30 °C ... +70 °C
Storage temperature	-40 °C ... +70 °C

Mechanical Data

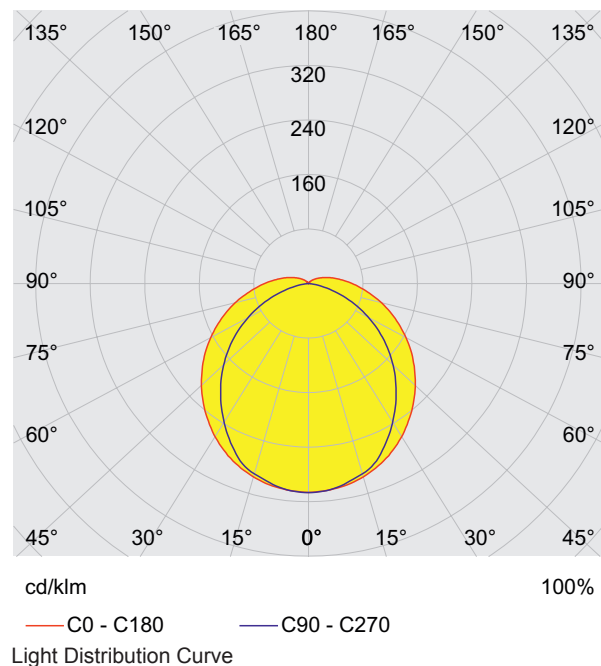
Version	Size 1
Degree of protection (IP)	IP66 / IP67
Degree of protection IP (IEC 60598)	IP66 / IP68 (10 m / 60 min)
Protection class	II (double insulated)
Enclosure material	Polycarbonate
Diffuser	With diffuser
Weight	1.4 kg
Pipe material	Polycarbonate
Type of connection cable	H07RN-F 2x1.5 mm ²
Cable length	5 m
Design size	1
Width	54 mm
Height	54 mm
Length	444 mm
Diameter	54 mm
Impact strength (IK code)	IK10 (IEC 62262)
Weight	1.31 kg
Weight	2.89 lb

Components

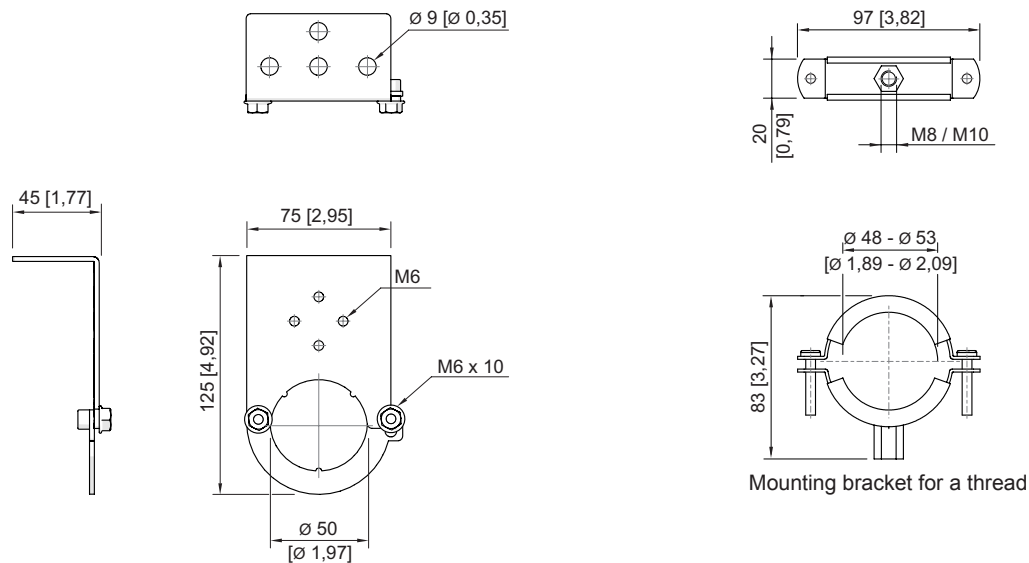
Ballast	LED, CSS
Wire guard	No

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Light Distribution Curves

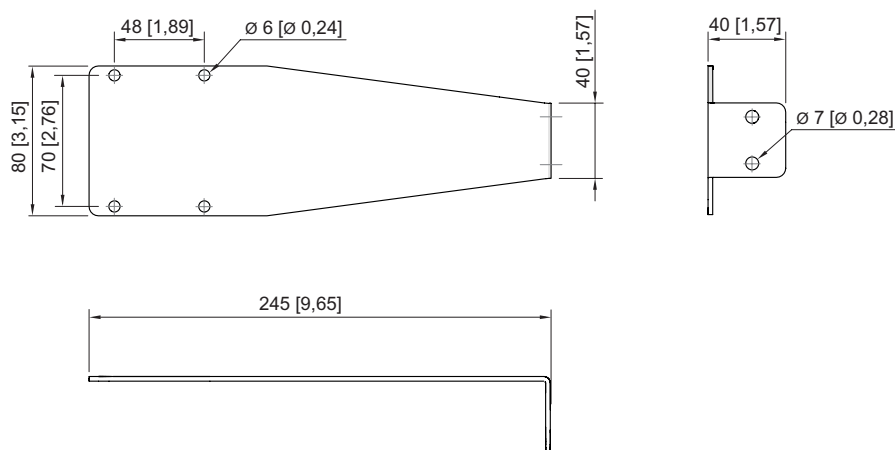


Technical Drawings – Subject to Alterations

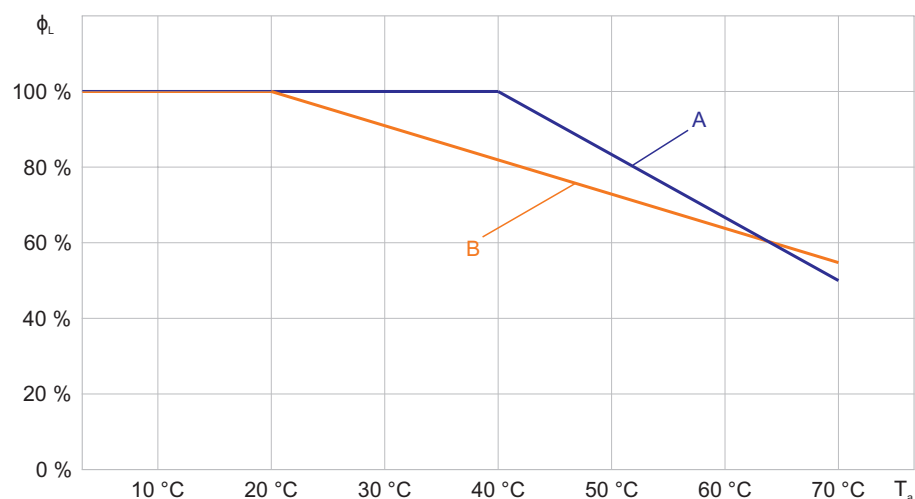


Mounting bracket for surfaces

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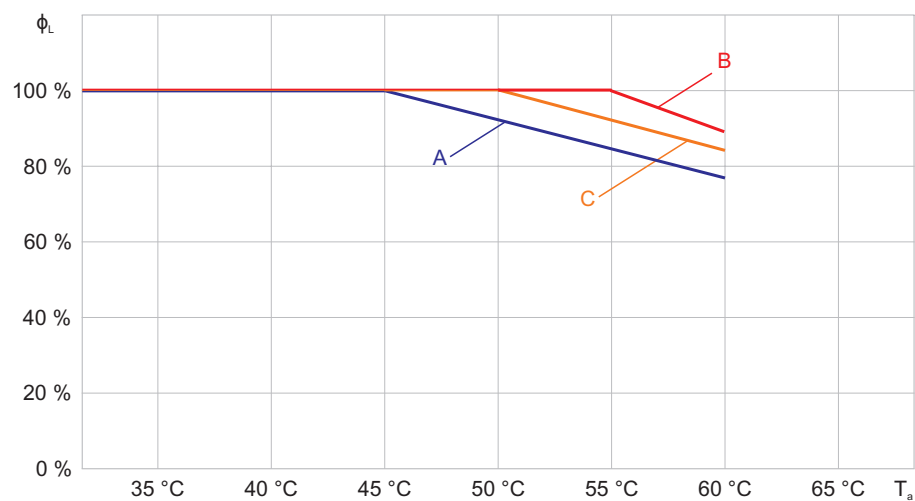
Mounting plate



Luminous flux decrease at ambient temperature

A: Size 1 (110 ... 240 V)

B: Size 1 (24 ... 48 V)



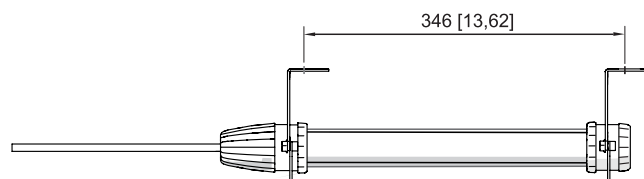
Luminous flux decrease at ambient temperature

A: Size 2

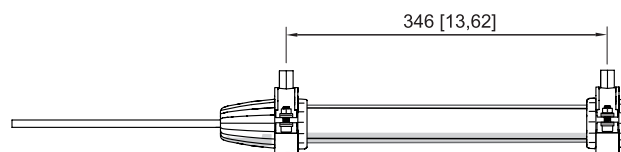
B: Size 3

C: Size 4

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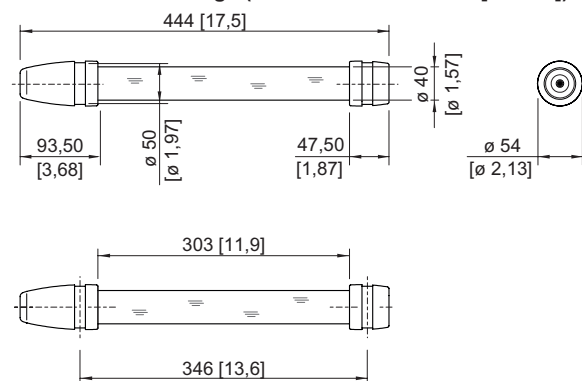


Luminaire with mounting bracket for a surface



Luminaire with mounting bracket for a thread

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

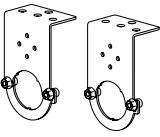


Design size 1

Accessories and Spare Parts

Plug		Art. No.
	8573/12-200 2 pins, 20 ... 25 V, 50 / 60 Hz, 16 A	243197
	8573/12-210 2 pins, 20 ... 25 V, DC, 16 A	243203
	8573/12-300 3 pins, 20 ... 25 V, 50 / 60 Hz, 16 A	243190
	8573/12-312 3 pins, 40 ... 50 V, 50 / 60 Hz, 16 A	243195
	8570/12-304 3 pins, 100 ... 130 V AC, 50 / 60 Hz, 16 A	150599
	8570/12-306 3 pins, 200 ... 250 V AC, 50 / 60 Hz, 16 A	150579
Mounting bracket		Art. No.
	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
	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
	Set of mounting plate Art. no. 254494 and mounting bracket Art. no. 252940	248100

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Mounting bracket		Art. No.
	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.