Lighting
LED tube light explosion-protected

6036/31101-42500-181025-850-IN00ST00 Art. No. 341234



- Extremely compact and robust light fitting for general lighting applications
- Vibration-proof, sturdy and low-maintenance
- Optionally available with DALI interface or address module for operation in central battery systems.
- IP66/IP67 and IP68 degree of protection
- Suitable for operation in extreme ambient temperatures from -5 °C to +70 °C

MY R. STAHL **6036B**

The Series 6036 compact LED tubular light fitting is ideal for general lighting applications and for use as a machine luminaire, even in hard-to-reach areas with very little space. This light fitting 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 design, it can withstand extreme temperatures of between -5 °C and +70 °C.

Technical Data

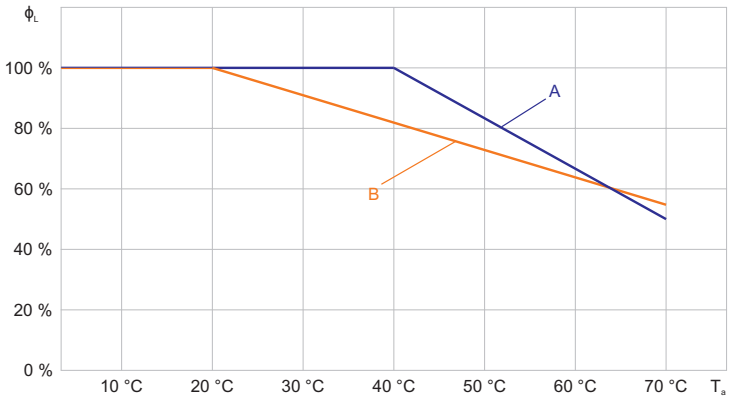
Explosion Protection	
Application range (zones)	1, 2, 21, 22
IECEx gas certificate	IECEx EPS 13.0027
IECEx gas explosion protection	Ex db op is IIC T4 Gb
IECEx dust certificate	IECEx EPS 13.0027
IECEx dust explosion protection	Ex tb IIIC T100 °C Db
ATEX gas certificate	EPS 13 ATEX 1 597
ATEX gas explosion 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
Marking CSAus	N/A, N/A N/A N/A N/A N/A
Certificates and approvals	ATEX IECEx India (PESO)
Certificates	ATEX (BVIS), IECEx (BVIS), India (PESO)
Ship approval	DNV
Declaration of conformity	ATEX (EUK)
Electrical Data	
Rated operational voltage AC	100 ... 277 V
Rated operational voltage DC	190 ... 250 V
Frequency range	50 – 60Hz
Power factor	≥ 0.88
Control gear service life	C10 ≥ 80 h, Ta ≤ 70 °C
LED service life	L90B50 ≥ 100 h
Control interface	without

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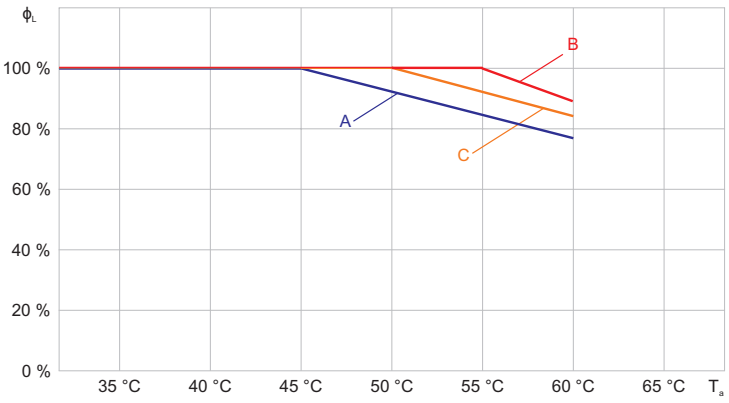
Auxiliary Power	
Nominal current	60 mA
Lighting Data	
Light colour	850 to 5000 K CRI80
Light distribution	140° with diffusing glass
Luminaire efficacy	116 lm/W
Luminous flux	1510 lm
Colour rendering	≥ 80
Colour temperature	5000 K
Note	Values apply to T_a = +25 °C
Ambient Conditions	
Ambient temperature °C	-5 °C ... +70 °C switch on above -40 °C
Storage temperature °C	-40 °C ... +70 °C
Mechanical Data	
IP degree of protection (IEC 60598)	IP66 / IP68 (10 m / 60 min)
Class	II
Enclosure material	Polycarbonate
Pipe material	Polycarbonate
Type of connection cable	ÖLFLEX 100 2x1.5 sqmm
Cable length	2.5 m
Size	1
Length	550 mm
Diameter	55.9 mm
Impact strength (IEC 62262)	IK11
Weight	1.67 kg
Weight	3.67 lb
Components	
Cable glands and entries	CMP-20-A2F (M20x1.5)
Wire guard	No

Technical Drawings – Subject to Alterations

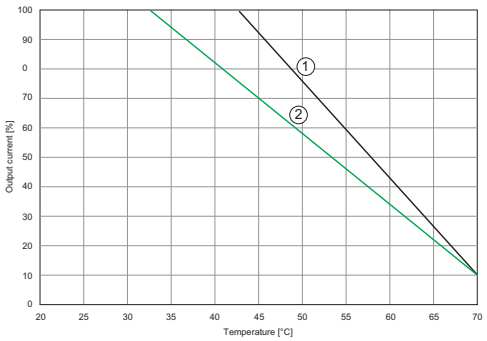


Luminous flux decline relative to ambient temperature
A: Size 1 (110 to 240 V)
B: Size 1 (24 to 48 V)

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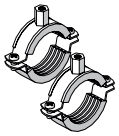
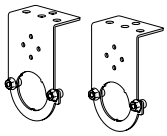
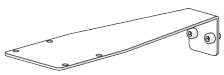
Luminous flux decline relative to ambient temperature
A: Size 2
B: Size 3
C: Size 4



Luminous flux decline
- In DC operation to 50%
- Relative to ambient temperature
1: All white tones, size 1 to 4
2: All colours, size 1 to 4

Accessories

Plug		Art. No.
	8570/12-306-S-XX-X-XX-XXX 3-pole plug, 200 to 250 V AC, 50 / 60 Hz, 16 A	272898

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 plastic mounting clamp for mounting on pipes with a diameter of 45 to 55 mm (screws and nuts made from stainless steel V2A) (2 pieces)	254932
	Mounting bracket made from galvanised sheet steel (x 2 units); for design size 1	120535
	Mounting bracket made of stainless steel V4A for fastening on surfaces (2 pieces)	323163
	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.