

Lighting

LED tubular light fitting explosion-protected

STAHL

6036/31201-42500-111050-850-0000ST00 Art. No. 316969



- 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 -55 °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 -55 °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

Certificates and approvals

ATEX
IECEX

Certificates

ATEX (BVIS), IECEX (BVIS)

Declaration of Conformity

ATEX (EUK)

Electrical Data

Rated operational voltage DC

190 ... 250 V

Power factor

≥ 0.95

Frequency range

50 – 60Hz

Control interface

without

Auxiliary Power

Nominal current

110 mA

Lighting Data

Light colour

850 to 5000 K CRI80

Light distribution

140° with diffusing glass

Luminaire efficacy

127 lm/W

6036/31201-42500-111050-850-0000ST00 Art. No. 316969

Lighting Data

Luminous flux	3050 lm
Colour rendering	≥ 80
Colour temperature	5000 K
Note	Values apply to $T_a = +25\text{ °C}$

Ambient Conditions

Ambient temperature	-55 °C ... 70 °C switch on above -40 °C
Storage temperature	-40 °C ... 70 °C

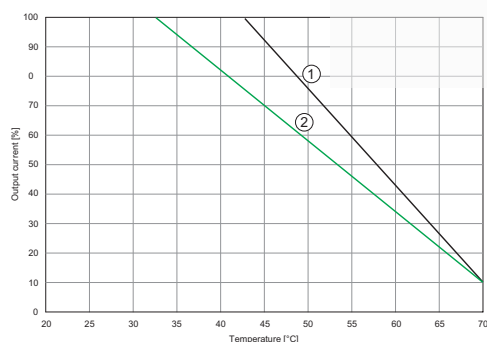
Mechanical Data

IP degree of protection (IEC 60598)	IP66 / IP68 (10 m / 60 min)
Class	II
Enclosure material	Polycarbonate
Pipe material	Polycarbonate
Type of connection cable	H07RN8-F 2x1.5 mm ²
Cable length	5 m
Size	2
Length	850 mm
Diameter	55.9 mm
Impact strength (IEC 62262)	IK11
Weight	2.14 kg
Weight	4.71 lb

Components

Cable glands and entries	CMP-20-A2F (M20x1.5)
Wire guard	No

Technical Drawings – Subject to Alterations



Luminous flux decline

- In DC operation to 50%

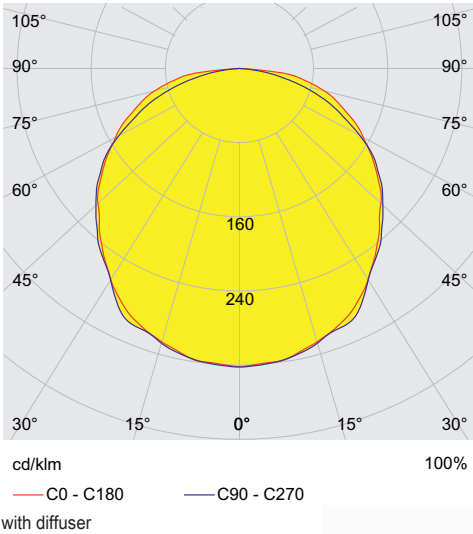
- Relative to ambient temperature

1: All white tones, size 1 to 4

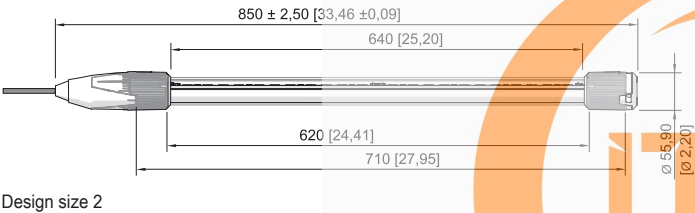
2: All colours, size 1 to 4

6036/31201-42500-111050-850-0000ST00 Art. No. 316969

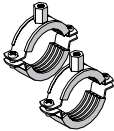
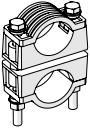
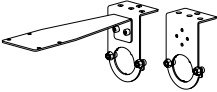
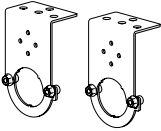
Light Distribution Curves



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



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
	Set of mounting plate Art. no. 254494 and mounting bracket Art. no. 252940	248100
	Mounting bracket made of stainless steel V4A for fastening on surfaces (2 pieces)	252940

6036/31201-42500-111050-850-0000ST00 Art. No. 316969

	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.

