## Lighting

## LED tube light explosion-protected



### 6036/31401-44550-111100-850-0000ST00 Art. No. 322760



- 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		
ATEX dust certificate	EPS 13 ATEX 1 597	
ATEX dust explosion protection		
Certificates and approvals	ATEX IECEx	
Certificates	ATEX (BVIS), IECEx (BVIS)	
Declaration of Conformity	ATEX (EUK)	
Electrical Data		
Rated operational voltage AC	100 277 V	
Rated operational voltage DC	190 250 V	
Power factor	≥ 0.92	
Frequency range	50 – 60Hz	
Control interface	active DALI (deactivated)	
Auxiliary Power		
Nominal current	220 mA	
Lighting Data		
Light colour	850 to 5000 K CRI80	
Light distribution	140° with diffusing glass	
Luminaire efficacy	129 lm/W	
Luminous flux	6040 lm	

# Lighting

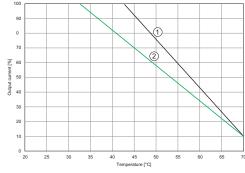
# LED tube light explosion-protected



## 6036/31401-44550-111100-850-0000ST00 Art. No. 322760

Lighting Data		
Colour rendering	≥ 80	
Colour temperature	5000 K	
Note	Values apply to T <sub>a</sub> = +25 °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 4x1.5 mm²	
Cable length	10 m	
Size	4	
Length	1450 mm	
Diameter	55.9 mm	
Impact strength (IEC 62262)	IK11	
Weight	4.28 kg	
Weight	9.42 lb	
Components		
Cable glands and entries	CMP-20-A2F (M20x1.5)	
Wire guard	No	

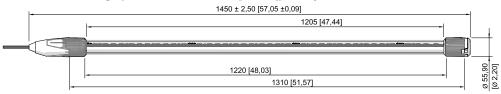
#### **Technical Drawings – Subject to Alterations**



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

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



## Design size 4

### **Accessories**

# Lighting

# LED tube light explosion-protected



## 6036/31401-44550-111100-850-0000ST00 Art. No. 322760

Plug		Art. No.	
Fitty	8570/12-306-S-XX-X-XXX 3-pole plug, 200 to 250 V AC, 50 / 60 Hz, 16 A	272898	
Mounting bracket	<u> </u>	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	
<b>(</b>	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.	
Q	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.