



- 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

E2

## 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.

	IECEX / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

Selection Table							
Size 1							
Cable length	Light colour	Luminaire efficacy	Luminous flux	Colour temperature	Product Type	Art. No.	Weight
2.5 m	850 to 5000 K CRI80	116 lm/W	1510 lm	5000 K	6036/31101-42500-111025-850-0000ST00	319507	1.54 kg
5 m	053 – green (530 nm)	85 lm/W	1110 lm	–	6036/31101-42500-111050-053-0000ST00	317332	1.85 kg
	850 to 5000 K CRI80	116 lm/W	1510 lm	5000 K	6036/31101-42500-111050-850-0000ST00	316968	1.84 kg
	Warm neutral white CRI90	104 lm/W	1350 lm	4000 K	6036/31101-42500-111050-940-0000ST00	317333	1.84 kg
10 m	850 to 5000 K CRI80	116 lm/W	1510 lm	5000 K	6036/31101-42500-111100-850-0000ST00	317334	2.44 kg
Size 2							
Cable length	Light colour	Luminaire efficacy	Luminous flux	Colour temperature	Product Type	Art. No.	Weight
2.5 m	850 to 5000 K CRI80	127 lm/W	3050 lm	5000 K	6036/31201-42500-111025-850-0000ST00	319508	1.84 kg
5 m	850 to 5000 K CRI80	127 lm/W	3050 lm	5000 K	6036/31201-42500-111050-850-0000ST00	316969	2.14 kg
	Warm neutral white CRI90	113 lm/W	2700 lm	4000 K	6036/31201-42500-111050-940-0000ST00	317336	2.14 kg
10 m	850 to 5000 K CRI80	127 lm/W	3050 lm	5000 K	6036/31201-42500-111100-850-0000ST00	317337	2.74 kg
Size 3							
Cable length	Light colour	Luminaire efficacy	Luminous flux	Colour temperature	Product Type	Art. No.	Weight
2.5 m	850 to 5000 K CRI80	128 lm/W	4620 lm	5000 K	6036/31301-44500-111025-850-0000ST00	319509	2.34 kg

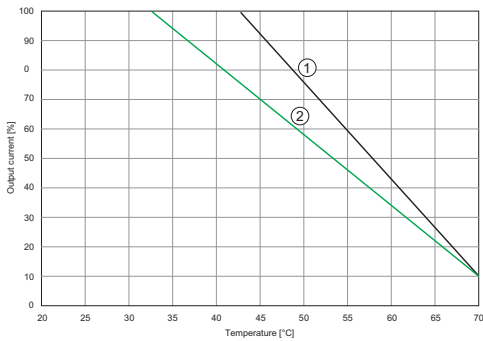
Selection Table							
Size		3					
Cable length	Light colour	Luminaire efficacy	Luminous flux	Colour temperature	Product Type	Art. No.	Weight
5 m	053 – green (530 nm)	94 lm/W	3370 lm	–	6036/31301-44500-111050-053-0000ST00	317338	2.67 kg
	850 to 5000 K CRI80	128 lm/W	4620 lm	5000 K	6036/31301-44500-111050-850-0000ST00	319531	2.64 kg
	Warm neutral white CRI90	113 lm/W	4050 lm	4000 K	6036/31301-44500-111050-940-0000ST00	317339	2.64 kg
10 m	850 to 5000 K CRI80	128 lm/W	4620 lm	5000 K	6036/31301-44500-111100-850-0000ST00	317340	3.24 kg
Size		4					
Cable length	Light colour	Luminaire efficacy	Luminous flux	Colour temperature	Product Type	Art. No.	Weight
2.5 m	850 to 5000 K CRI80	129 lm/W	6040 lm	5000 K	6036/31401-44500-111025-850-0000ST00	319510	2.65 kg
5 m	053 – green (530 nm)	96 lm/W	4490 lm	–	6036/31401-44500-111050-053-0000ST00	317341	2.99 kg
	850 to 5000 K CRI80	129 lm/W	6040 lm	5000 K	6036/31401-44500-111050-850-0000ST00	319532	2.95 kg
	Warm neutral white CRI90	115 lm/W	5400 lm	4000 K	6036/31401-44500-111050-940-0000ST00	317342	2.95 kg
10 m	850 to 5000 K CRI80	129 lm/W	6040 lm	5000 K	6036/31401-44500-111100-850-0000ST00	317343	3.55 kg
Size		–					
Cable length	Light colour	Luminaire efficacy	Luminous flux	Colour temperature	Product Type	Art. No.	Weight
–	–	–	–	–	–	317335	2.16 kg

Technical Data			
Variant	5000 K		4000 K
<b>Explosion Protection</b>			
IECEX gas explosion protection	Ex db op is IIC T4 Gb		Ex db op is IIC T4 Gb
IECEX dust explosion protection	Ex tb IIIC T100 °C Db		Ex tb IIIC T100 °C Db
ATEX gas explosion protection	⊕ II 2 G Ex db op is IIC T4 Gb		⊕ II 2 G Ex db op is IIC T4 Gb
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T100 °C Db		⊕ II 2 D Ex tb IIIC T100 °C Db
Certificates	ATEX (BVIS), IECEX (BVIS)		ATEX (BVIS), IECEX (BVIS)
Declaration of Conformity	ATEX (EUK)		ATEX (EUK)
<b>Electrical Data</b>			
Rated operational voltage AC	100 ... 277 V		100 ... 277 V
Rated operational voltage DC	190 ... 250 V		190 ... 250 V
Frequency range	50 – 60Hz		50 – 60Hz
<b>Ambient Conditions</b>			
Ambient temperature	-55 °C ... 70 °C switch on above -40 °C		-55 °C ... 70 °C switch on above -40 °C
Storage temperature	-40 °C ... 70 °C		-40 °C ... 70 °C
<b>Lighting Data</b>			
Light distribution	140° with diffusing glass		140° with diffusing glass
Colour rendering	≥ 80		≥ 90
Note	Values apply to T <sub>a</sub> = +25 °C		Values apply to T <sub>a</sub> = +25 °C
<b>Mechanical Data</b>			
IP degree of protection (IEC 60598)	IP66 / IP68 (10 m / 60 min)		IP66 / IP68 (10 m / 60 min)
Class	II		II
Enclosure material	Polycarbonate		Polycarbonate
Pipe material	Polycarbonate		Polycarbonate
Type of connection cable	H07RN8-F 2x1.5 mm <sup>2</sup>		H07RN8-F 2x1.5 mm <sup>2</sup>
Impact strength (IEC 62262)	IK11		IK11

## Technical Data

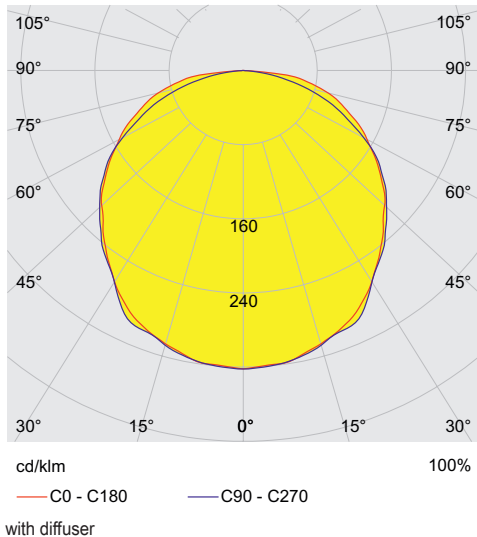
<b>Variant</b>	<b>5000 K</b>	<b>4000 K</b>
<b>Mechanical Data</b>		
<b>Notes</b>	Standard cable: H07RN8-F Additional cable types possible: BFOU P5-P12, Radox MFH-S B, (N)SSHÖU, HXSLHXÖ-J	

## 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

## Light Distribution Curves – Subject to Alterations

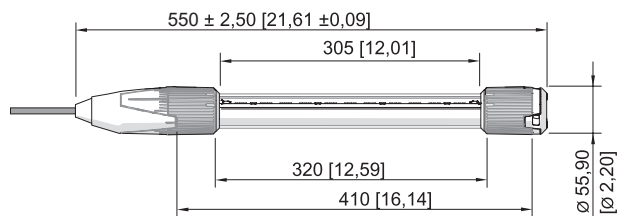


## Accessories

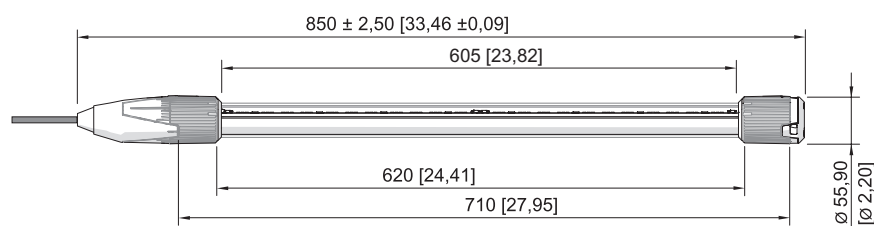
Figure	Description	Art. No.	Weight
	8570/12-306-S-XX-X-XX-XXX 3-pole plug, 200 to 250 V AC, 50 / 60 Hz, 16 A	272898	331 g

Accessories			
Figure	Description	Art. No.	Weight
<b>Mounting bracket</b>			
	Mounting bracket made of galvanised sheet steel to screw onto thread M8 or M10 (2 pieces)	227256	190 g
	Mounting bracket made of stainless steel V4A to screw onto thread M8 or M10 (2 pieces)	227257	180 g
	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	800 g
	Mounting bracket made from galvanised sheet steel (x 2 units); for design size 1	120535	48 g
	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	700 g
<b>Mounting bracket and magnet</b>			
	Mounting bracket made from galvanised sheet steel with magnetic base (x 2 units); for design size 1	120536	100 g

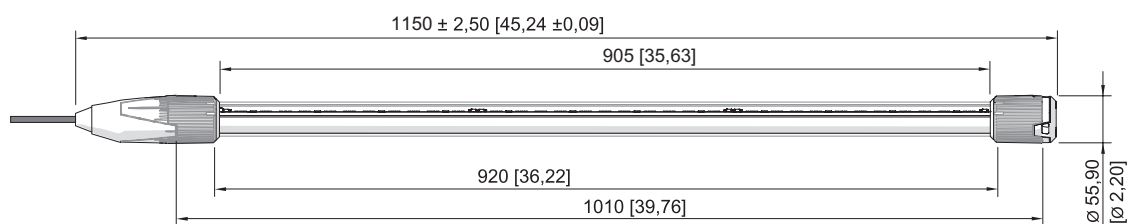
**Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations**



Design size 1



Design size 2



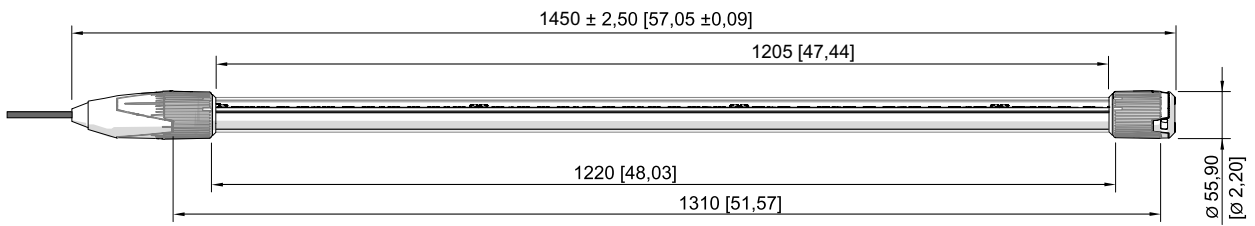
Design size 3

# Tubular light fitting with LED

Series 6036



E2



Design size 4