



- 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

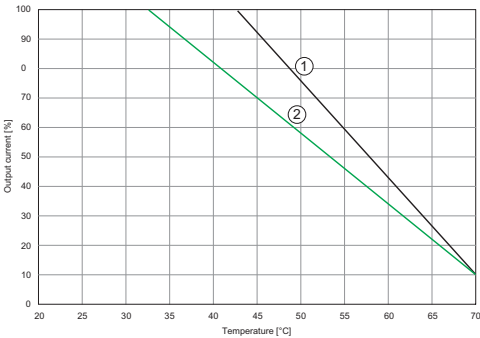
Size 3							
Cable length	Light colour	Luminaire efficacy	Luminous flux	Colour temperature	Product Type	Art. No.	Weight
5 m	053 – green (530 nm)	94 lm/W	3370 lm	–	6036/31301-44500-111050-053-0000ST00	317338	2.67 kg
	850 to 5000 K CRI80	128 lm/W	4620 lm	5000 K	6036/31301-44500-111050-850-0000ST00	319531	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

Technical Data

Variant	5000 K	4000 K
Explosion Protection		
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)
Ship approval	DNV	DNV
Declaration of conformity	ATEX (EUK)	ATEX (EUK)
Electrical Data		
AC rated operational voltage	100 ... 277 V	100 ... 277 V
Rated operational voltage DC	190 ... 250 V	190 ... 250 V
Frequency range	50 – 60Hz	50 – 60Hz
Ambient Conditions		
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
Lighting Data		
Light distribution	140° with diffusing glass	140° with diffusing glass
Colour rendering	≥ 80	≥ 90
Note	Values apply to T _a = +25 °C	Values apply to T _a = +25 °C
Mechanical Data		
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 ²	H07RN8-F 2x1.5 mm ²
Impact strength (IEC 62262)	IK11	IK11
Notes	Standard cable: H07RN8-F Additional cable types possible: BFOU P5-P12, Radox MFH-S B, (N)SSHÖU, HXSLHXÖ-J	

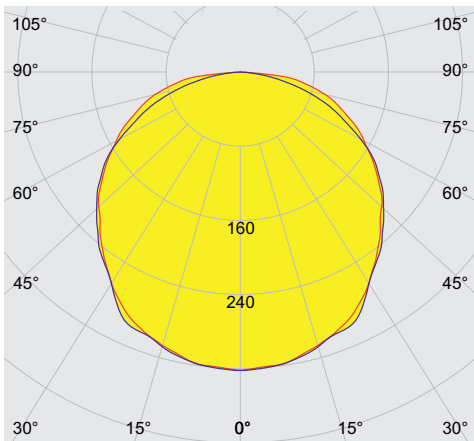
Technical Drawings – Subject to Alterations

E2



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



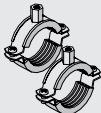
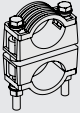
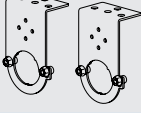
cd/klm
 — C0 - C180 — C90 - C270

with diffuser

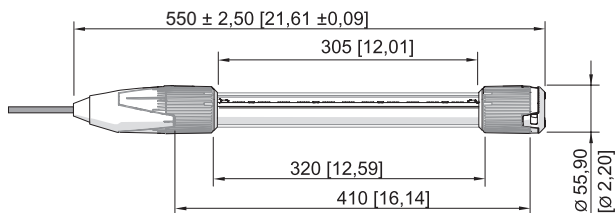
Accessories

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

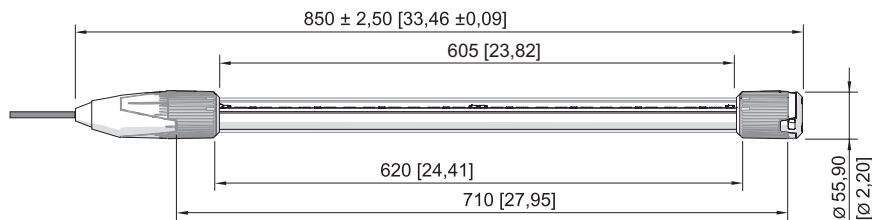
Accessories

Figure	Description	Art. No.	Weight
Mounting bracket			
	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 bracket made of stainless steel V4A for fastening on surfaces (2 pieces)	323163	475 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
Mounting bracket and magnet			
	Mounting bracket made from galvanised sheet steel with magnetic base (x 2 units); for design size 1	120536	100 g

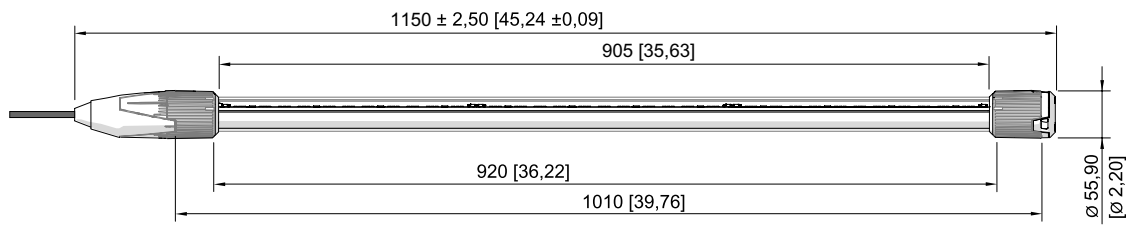
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



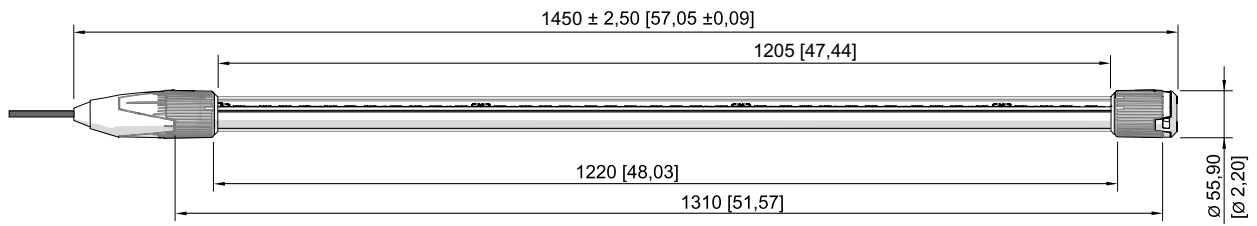
Design size 1



Design size 2



Design size 3



Design size 4