



## MY R. STAHL 6036A



The 6036 series compact LED tubular light fitting is ideal for general lighting applications and for use as machine lighting, even in relatively inaccessible places with very little space. This light 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 construction, it can withstand extreme temperatures of between -55 °C and +60 °C.

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

Selection Table						
Size		1				
Cable length		2.5 m				
AC rated operational voltage		24 ... 48 V				
Rated operational voltage DC		24 ... 48 V				
Gas temperature class		T4				
Dust max. surface temperature		100 °C				
Ambient temperature		-40 °C ... +70 °C				
Light colour	Luminaire efficacy		Luminous flux	Type of connection cable	Product Type	Art. No.
Blue	27 lm/W		338 lm	H07RN8-F 2x1.5 mm <sup>2</sup>	6036/1212-053-0121-17	263762
Green	53 lm/W		671 lm	H07RN8-F 2x1.5 mm <sup>2</sup>	6036/1212-053-0121-14	262509
Neutral white	104 lm/W		1396 lm	H07RN8-F 2x1.5 mm <sup>2</sup>	6036/1212-453-0121-11	274308
Red	45 lm/W		475 lm	H07RN8-F 2x1.5 mm <sup>2</sup>	6036/1212-053-0121-16	262510
Size		1				
Cable length		2.5 m				
Rated operational voltage DC		12 V				
Gas temperature class		T4				
Dust max. surface temperature		100 °C				
Ambient temperature		-40 °C ... +40 °C				
Light colour	Luminaire efficacy		Luminous flux	Type of connection cable	Product Type	Art. No.
Neutral white	104 lm/W		1396 lm	H07RN8-F 2x1.5 mm <sup>2</sup>	6036/1212-452-0121-11	274365

Technical Data	
Explosion Protection	
IECEx gas explosion protection	Ex db op is IIC T4 Gb
IECEx dust explosion protection	Ex tb IIIC T100 °C Db
ATEX gas explosion protection	Ex II 2 G Ex db op is IIC T4 Gb
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC T100 °C Db

## Technical Data

## Explosion Protection

Certificates ATEX (BVIS), IECEx (BVIS)

## Electrical Data

Frequency range 50 – 60 Hz

## Ambient Conditions

Storage temperature -40 °C ... +70 °C

## Lighting Data

Lamp wattage 16 W

Note Values apply to  $T_a = +25^\circ\text{C}$ 

## Mechanical Data

Degree of protection (IP) IP66 / IP67

IP degree of protection (IEC 60598) IP66 / IP68 (10 m / 60 min)

Class II (double insulated)

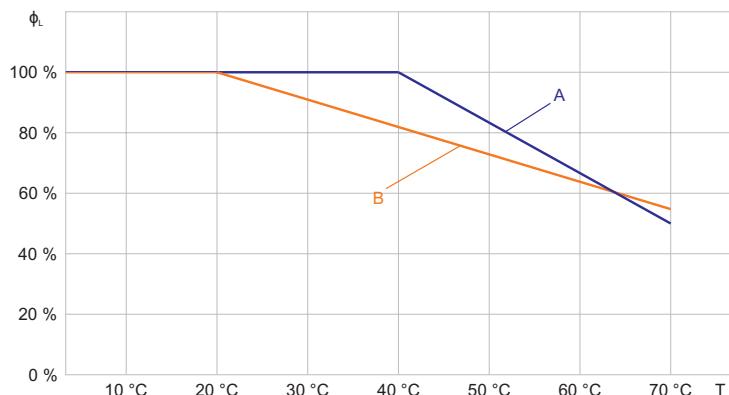
Enclosure material Polycarbonate

Pipe material Polycarbonate

Impact strength (IEC 62262) IK10

Notes Standard cable:  
H07RN8-F  
Additional cable types available:  
BFOU P5-P12, Radox MFH-S B, (N)SSHÖU, HXSLHXÖ-J

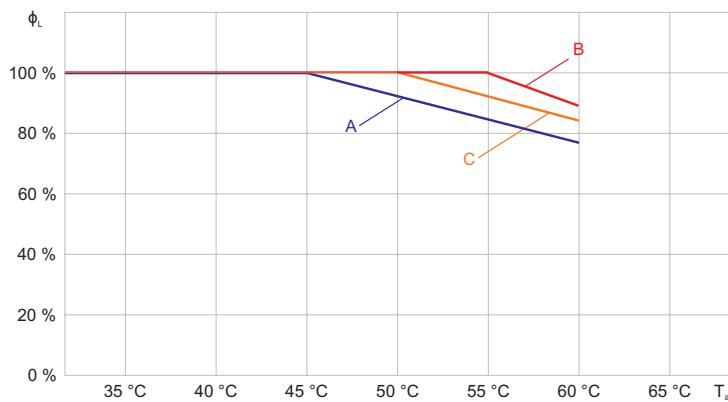
## Technical Drawings – Subject to Alterations



Luminous flux decline relative to ambient temperature

A: Size 1 (110 to 240 V)

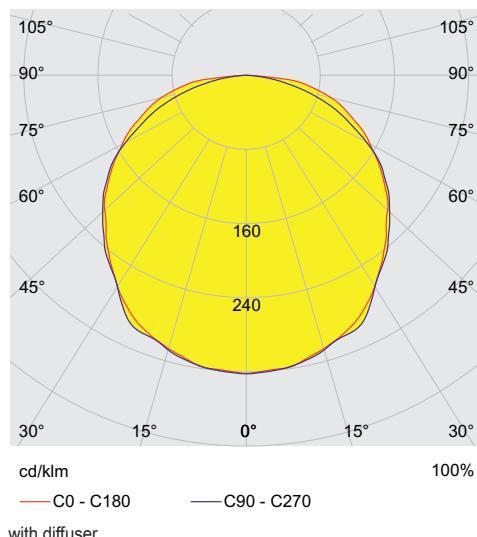
B: Size 1 (24 to 48 V)

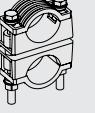
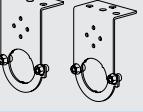
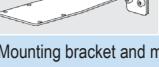


Luminous flux decline relative to ambient temperature

- A: Size 2
- B: Size 3
- C: Size 4

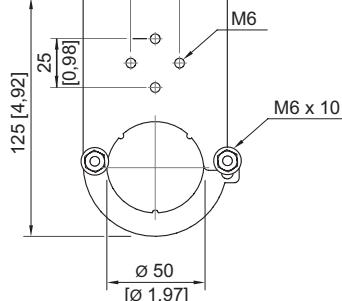
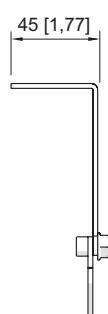
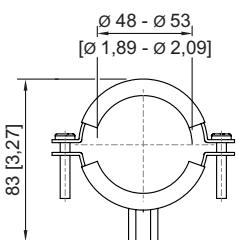
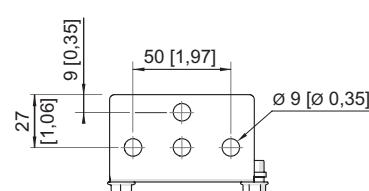
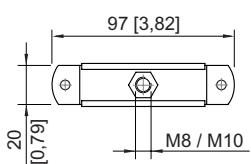
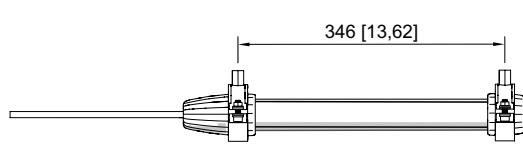
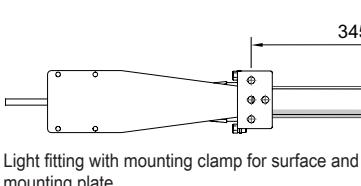
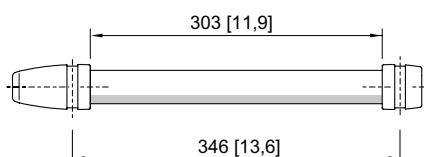
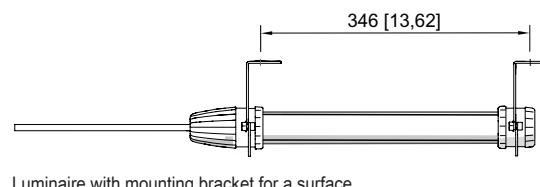
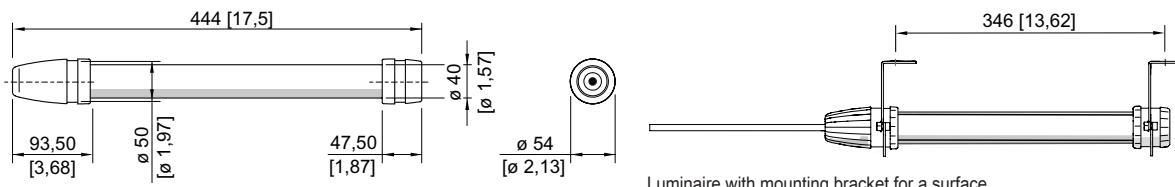
**Light Distribution Curves – Subject to Alterations**



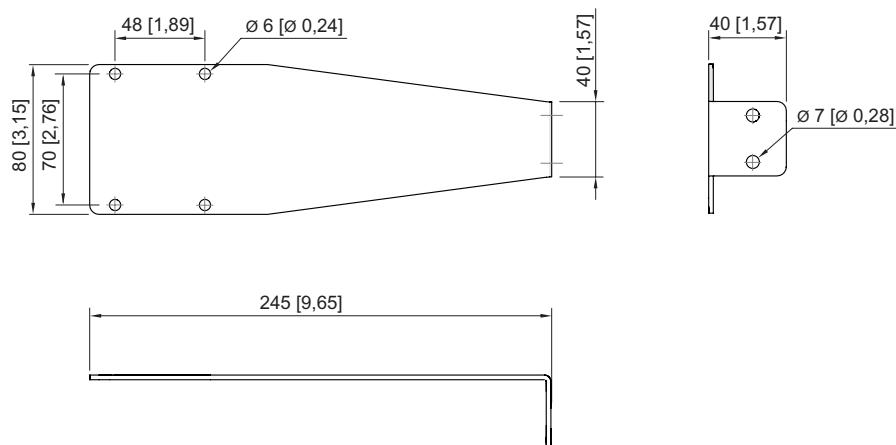
Accessories		Art. No.	Weight
Figure	Description		
Plug			
	8573/12-200 2-pole, 20 to 25 V, 50 / 60 Hz, 16 A	243197	300 g
	8573/12-210 2-pole, 20 to 25 V, DC, 16 A	243203	300 g
	8573/12-300 3-pole, 20 to 25 V, 50 / 60 Hz, 16 A	243190	300 g
	8573/12-312 3-pole, 40 to 50 V, 50 / 60 Hz, 16 A	243195	300 g
	8570/12-304-S-XX-X-XX-XXX 3-pole plug, 100 to 130 V AC, 50/60 Hz, 16 A	272896	331 g
	8570/12-306-S-XX-X-XX-XXX 3-pole plug, 200 to 250 V AC, 50 / 60 Hz, 16 A	272898	331 g
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 of stainless steel V4A for fastening on surfaces (2 pieces)	252940	400 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
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

E2



E2



Mounting plate