

6050/604-801-7B2-008850-004 Art. No. 283125



- Ultra light, ultra compact
- High lighting efficiency
- Additional extreme ambient temperature range

MY R. STAHL 6050C



The 6050/6 universal spotlight is equipment used for lighting areas, work equipment and objects. It can be used indoors and outdoors. The clear lens is available in a matted version to limit the glare. Using an internal reflector, the universal spotlight can be adapted as a narrow beam, wide beam or a medium-wide beam to suit the lighting task.

Technical Data

Explosion Protection

Application range (zones)	1, 2, 21, 22
IECEX gas explosion protection	Ex db eb op is IIC T4 Gb
IECEX dust explosion protection	Ex tb op is IIIC T110 °C Db
ATEX gas explosion protection	Ex II 2 G Ex db eb op is IIC T4 Gb
ATEX dust explosion protection	Ex II 2 D Ex tb op is IIIC T110 °C Db
Certificates and approvals	ATEX IECEX UKEX
Certificates	ATEX (BVIS), Brazil (ULB), IECEX (BVIS)
Ship approval	DNV
Declaration of conformity	ATEX (EUK)

Electrical Data

Rated operational voltage AC	220 ... 240 V
Frequency range	50 – 60 Hz
Interfaces	DALI
Start-up current	I _{peak} = 55 A, Delta t = 230 µs

Lighting Data

Number of lamps	1
Lamp wattage	80 W
Lamp type	LED
Lamp	LED
Light colour	5000 K – neutral white
Light distribution	Medium-beam
Luminaire efficacy	113 lm/W
Luminous flux	8800 lm
Colour rendering	≥ 80
Colour temperature	5000 K

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Ambient Conditions

Ambient temperature °C -40 °C ... +70 °C

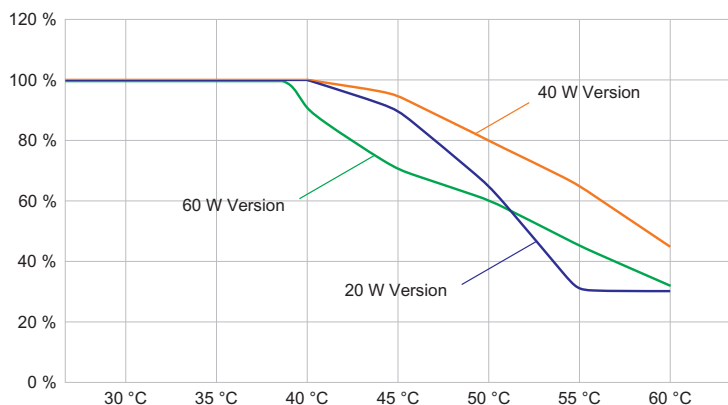
Mechanical Data

Version	Conduit mounting
Degree of protection (IP)	IP66 / IP68 (10 m)
IP degree of protection (IEC 60598)	IP66/IP68
Enclosure material	Aluminium, Seawater-resistant
Enclosure color	Standard
Sealing material	Silicone
Silicone-free content	Contains silicone
Protective glass material 2	Pressed glass
Max. solid connection terminals	6 mm ²
Max. finely stranded connection terminals	4 mm ²
Type of connection cable	Finely stranded Finely stranded with clip Solid
Size	1
Width	298 mm
Height	327.5 mm
Length	310 mm
Reflector	Yes
Disconnection of the luminaire	No
Weight	7.03 kg
Weight	15.5 lb

Components

Cable glands and entries	1 x M25 x 1.5
Stopping plugs	1 x M25 x 1.5
Wire guard	No

Technical Drawings – Subject to Alterations



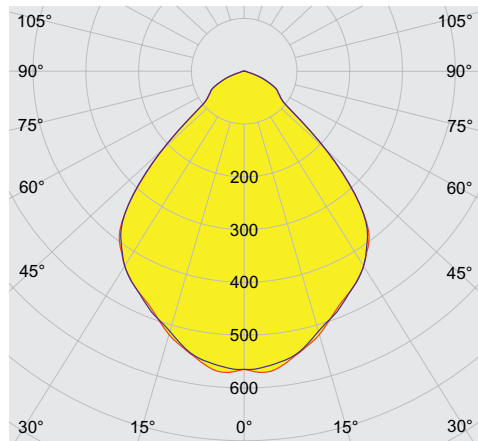
Luminous flux decrease at ambient temperature - variants with DALI

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Luminous flux decrease at ambient temperature - variants without DALI

Light Distribution Curves



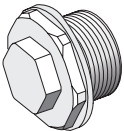
cd/klm $\eta = 100\%$
— C0 - C180 — C90 - C270

With internal reflector, protection glass clear

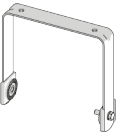
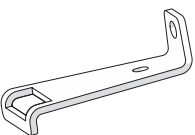
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

Accessories

Breather

	Art. No.
 Thread: M20 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut	323702
Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut	296608

Mounting bracket

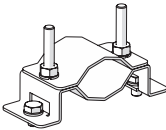



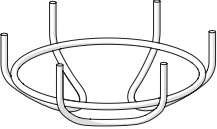
	Art. No.
 Complete; made from stainless steel (for subsequent self-mounting) For 6050/6	265877
 The stainless steel mounting fixture is fastened to the enclosure of the pendant light fitting series 6050/6 by means of two stainless steel screws M8.	269716

Lighting

LED pendant light fitting



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Pipe clamp		Art. No.
	for pipe R 1 1/4" to 2"	268967
Plastic cable gland		Art. No.
	8161/7-M25-1707 7 to 17 mm ² 1 piece	229918
	8161/7-M25-1707, Ex e Plastic, M25 x 1.5, cable outer diameter 7 to 17 mm Lot size 50 pieces	239157
Ring bolt		Art. No.
	M8, für 6050/6, direct mounting; 1 pair	265874
	M10, direct mounting in insert nuts; 1 pair	118560
Stopping plug		Art. No.
	8290/3-M25 Plastic, M25 x 1.5 Lot size 1 piece	143524
Wire guard		Art. No.
	Complete with mounting parts Material: Stainless steel wire For 6050/6	221774

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.