Lighting
Floodlight LED

6125/2124-1501-6014-242   Art. No. 284582

- LED high-performance floodlight with a power consumption up to 225 W
- Wide voltage input between 110 V and 277 V (50 Hz and 60 Hz)
- Suitable for operation using central battery systems and mains DC (176 V to 264 V DC)
- Three power classes available: 100 W, 160 W and 225 W
- An enclosure made of 316L stainless steel is available for marine and offshore applications

WebCode 6125B

The new generation of LED floodlights for Zone 1 also relies on the tried-and-tested, robust stainless steel enclosure (optionally seawater-resistant stainless steel 316L). However, thanks to their smaller design and a new generation of drivers, they weigh significantly less, thereby improving ergonomics during installation and operation. Now with three power classes and the three tried-and-tested light distribution curves, the LED floodlight generates three colours of LED light – warm white, neutral white and cold white.

Technical Data

Explosion Protection

Application range (Zones)	1 2 21 22
IECEx certificate Gas	IECEx EPS 15.0087
IECEx gas explosion protection	Ex db eb op is IIC T4 Gb
IECEx dust certificate	IECEx EPS 15.0087
IECEx dust explosion protection	Ex tb op is IIIC T100 °C Db
ATEX gas certificate	EPS 15 ATEX 1 114
ATEX gas explosion protection	⟨Ex⟩ II 2 G Ex db eb op is IIC T4 Gb
ATEX dust certificate	EPS 15 ATEX 1 114
ATEX dust explosion protection	⟨Ex⟩ II 2 D Ex tb op is IIIC T100 °C Db
Certificates	ATEX (BVIS), Brazil (ULB), IECEx (BVIS), India (PESO)
Ship approval	DNVGL

Electrical Data

Rated operational voltage AC	110 – 277 V
Rated operational voltage max. AC	277 V
Rated operational voltage min. AC	110 V
Frequency range	50 – 60 Hz

Lighting Data

Lamp wattage	100 W
Lamp type	LED
Lamp	LED
Light colour	Warm white
Light distribution	Wide beam

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V 0.19 US

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Lighting Data

Luminaire efficacy	99 lm/W
Luminous flux	9860 lm
Colour rendering	≥ 80
Colour temperature	4000 K

Ambient Conditions

|	
Ambient temperature °C	-50 °C ... +60 °C
Storage temperature °C	-40 °C ... +75 °C

Mechanical Data

Degree of protection (IP)	IP66
Class	I
Enclosure material	1.4404 stainless steel, Powder-coated Double powder-coated
Sealing material	Silicone
Lens material	Toughened glass
Connection terminals solid max.	6 mm²
Connection terminals finely-stranded max.	4 mm²
Type of connection cable	Finely stranded Solid
Width	400 mm
Height	70 mm
Length	520 mm
Impact strength (IEC 62262)	IK10
Enclosure colour	Similar to RAL 9010
Mounting	With bracket, SS316L
Weight	16.5 kg
Weight	36.38 lb

Components

Drilled holes	3 x M25
Cable entries	1 x M25 x 1.5 CMP-25A2F
Material cable gland	Nickel-plated brass
Stopping plug	2 x M25 x 1.5
Stopping plug material	Polyamide, black

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Light Distribution Curves

cd/klm   100%

—— C0 - C180   —— C90 - C270

typ. broad beam
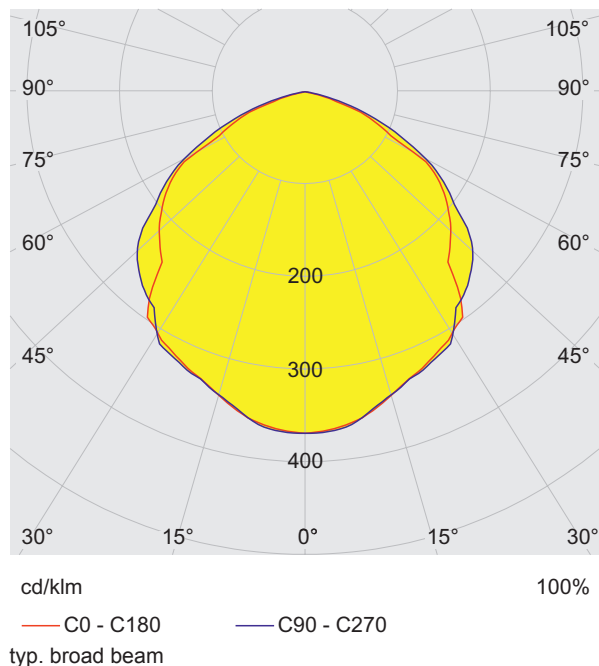
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

Accessories

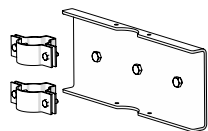| Mounting bracket		Art. No.
	Stainless steel SS304 (1.4301 or V2A) without powder coating	269731
	Stainless steel SS316L (1.4404 or V4A) without powder coating	221589
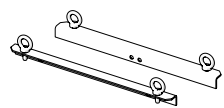
Mounting set		Art. No.
	for pendant mounting with ring bolts included - stainless steel SS316L (1.4404 or V4A) without powder coating	257464
	for pole mounting with pole diameter of 50 mm - stainless steel SS316L (1.4404 or V4A) without powder coating	283361
	for pole mounting with pole diameter of 60 mm - stainless steel SS316L (1.4404 or V4A) without powder coating	263824

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.