Floodlight LED
Series 6125

18199E00

- Floodlight Zones 1, 2 and 21, 22 with highly efficient LEDs
- 3 different light distribution types for adjusting to the illumination task
- Enclosure made of sheet steel single powder coated or stainless steel V4 A (SS316L) double powder coated for marine applications
- Broad operating temperature range from -60 ... +60 °C
- Low-maintenance due to long service life of up to 100,000 operating hours

E2

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	ATEX / IECEx					
Zone	0	1	2	20	21	22
For use in		x	x		x	x

Explosion Protection				
Global (IECEx)				
Gas and dust	IECEx EPS 15.0087 Ex db eb op is IIC T4 Gb Ex tb op is IIIC T*°C Db			
Europe (ATEX)				
Gas and dust	EPS 15 ATEX 1 114 II 2G Ex db eb op is IIC T4 Gb II 2D Ex tb op is IIIC T*°C Db			
	Type	**Power**	**Ambient temperature**	**Max. surface temperature**
	6125/1...-23..-....-... 6125/1...-44..-....-...	120 W 210 W	≤ +60 °C	95 °C
	6125/1...-23..-....-...	120 W	≤ +50 °C	80 °C
	6125/1...-44..-....-...	210 W	≤ +45 °C	80 °C
Certifications and certificates				
Certificates	IECEx, ATEX, India (PESO)			

WebCode 6125A

Floodlight LED
Series 6125

Selection Table

Version	Light distribution	Terminals	Cable glands	Material	Order number	Art. no.	Weight kg
Floodlight LED Series 6125 120 W	narrow beam	5x 4mm²	2 x M25	Sheet steel	**6125/1111-2331-5011-111**	**264585**	23.000
				Stainless steel V4A	**6125/1111-2331-5011-242**	**264597**	23.000
			2 x M20	Sheet steel	**6125/1111-2331-5021-111**	**264591**	23.000
				Stainless steel V4A	**6125/1111-2331-5021-242**	**264603**	23.000
		5x 6mm²	2 x M25	Sheet steel	**6125/1111-2331-6011-111**	**264588**	23.000
				Stainless steel V4A	**6125/1111-2331-6011-242**	**264600**	23.000
			2 x M20	Sheet steel	**6125/1111-2331-6021-111**	**264594**	23.000
				Stainless steel V4A	**6125/1111-2331-6021-242**	**264606**	23.000
	medium beam	5x 4mm²	2 x M25	Sheet steel	**6125/1112-2331-5011-111**	**264586**	23.000
				Stainless steel V4A	**6125/1112-2331-5011-242**	**264598**	23.000
			2 x M20	Sheet steel	**6125/1112-2331-5021-111**	**264592**	23.000
				Stainless steel V4A	**6125/1112-2331-5021-242**	**264604**	23.000
		5x 6mm²	2 x M25	Sheet steel	**6125/1112-2331-6011-111**	**264589**	23.000
				Stainless steel V4A	**6125/1112-2331-6011-242**	**264601**	23.000
			2 x M20	Sheet steel	**6125/1112-2331-6021-111**	**264595**	23.000
				Stainless steel V4A	**6125/1112-2331-6021-242**	**264607**	23.000
	wide beam	5x 4mm²	2 x M25	Sheet steel	**6125/1114-2331-5011-111**	**264587**	23.000
				Stainless steel V4A	**6125/1114-2331-5011-242**	**264599**	23.000
			2 x M20	Sheet steel	**6125/1114-2331-5021-111**	**264593**	23.000
				Stainless steel V4A	**6125/1114-2331-5021-242**	**264605**	23.000
		5x 6mm²	2 x M25	Sheet steel	**6125/1114-2331-6011-111**	**264590**	23.000
				Stainless steel V4A	**6125/1114-2331-6011-242**	**264602**	23.000
			2 x M20	Sheet steel	**6125/1114-2331-6021-111**	**264596**	23.000
				Stainless steel V4A	**6125/1114-2331-6021-242**	**264608**	23.000

Selection Table

Version	Light distribution	Terminals	Cable glands	Material	Order number	Art. no.	Weight kg
Floodlight LED Series 6125 210 W	narrow beam	5x 4mm²	2 x M25	Sheet steel	**6125/1111-4431-5011-111**	**264609**	29.500
				Stainless steel V4A	**6125/1111-4431-5011-242**	**264631**	29.500
			2 x M20	Sheet steel	**6125/1111-4431-5021-111**	**264615**	29.500
				Stainless steel V4A	**6125/1111-4431-5021-242**	**264637**	29.500
		5x 6mm²	2 x M25	Sheet steel	**6125/1111-4431-6011-111**	**264612**	29.500
				Stainless steel V4A	**6125/1111-4431-6011-242**	**264634**	29.500
			2 x M20	Sheet steel	**6125/1111-4431-6021-111**	**264618**	29.500
				Stainless steel V4A	**6125/1111-4431-6021-242**	**264640**	29.500
	medium beam	5x 4mm²	2 x M25	Sheet steel	**6125/1112-4431-5011-111**	**264610**	29.500
				Stainless steel V4A	**6125/1112-4431-5011-242**	**264632**	29.500
			2 x M20	Sheet steel	**6125/1112-4431-5021-111**	**264616**	29.500
				Stainless steel V4A	**6125/1112-4431-5021-242**	**264638**	29.500
		5x 6mm²	2 x M25	Sheet steel	**6125/1112-4431-6011-111**	**264613**	29.500
				Stainless steel V4A	**6125/1112-4431-6011-242**	**264635**	29.500
			2 x M20	Sheet steel	**6125/1112-4431-6021-111**	**264619**	29.500
				Stainless steel V4A	**6125/1112-4431-6021-242**	**264641**	29.500
	wide beam	5x 4mm²	2 x M25	Sheet steel	**6125/1114-4431-5011-111**	**264611**	29.500
				Stainless steel V4A	**6125/1114-4431-5011-242**	**264633**	29.500
			2 x M20	Sheet steel	**6125/1114-4431-5021-111**	**264617**	29.500
				Stainless steel V4A	**6125/1114-4431-5021-242**	**264639**	29.500
		5x 6mm²	2 x M25	Sheet steel	**6125/1114-4431-6011-111**	**264614**	29.500
				Stainless steel V4A	**6125/1114-4431-6011-242**	**264636**	29.500
			2 x M20	Sheet steel	**6125/1114-4431-6021-111**	**264620**	29.500
				Stainless steel V4A	**6125/1114-4431-6021-242**	**264642**	29.500

Technical Data

Electrical data

Electronic balast

Rated voltage: AC: 220 ... 240 V ±10 %; 50 ... 60 Hz

Rated current:

	Ambient temperature	
Power	**-60 ... -40 °C**	**-40 ... +60 °C**
120 W	0.60 A	0.54 A
210 W	1.00 A	0.94 A

Technical Data

Inrush current

	120 W Version	210 W Version
I_{peak} (gemessen bei 50 % I_{peak})	62 A; △t = 330 µs	124 A; △t = 330 µs

max. Anzahl Leuchten pro Leistungsschutzschalter

	Typ B	Typ C	Typ B	Typ C
10 A	4	8	2	4
16 A	8	14	4	7
20 A	11	19	5	9
25 A	20	23	10	11

Power factor: > 0.95

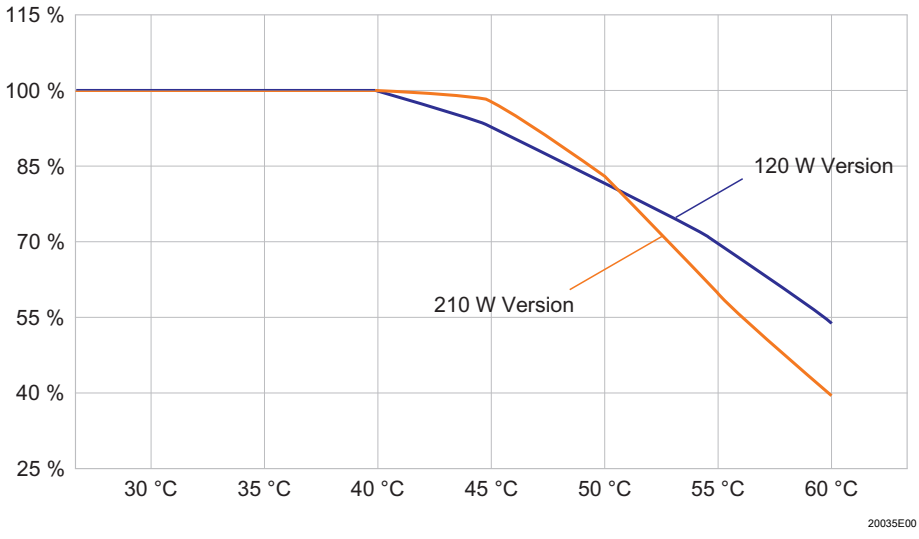
THD: ≤ 10 %

Luminous characteristics

	6125/11..-2	6125/11..-4
Power consumption [W]	120	210
Colour rendering [CRI]	≥ 70	≥ 70
Colour temperature [K]	5,700	5,700
wide beam		
Luminous flux [lm]	11,763	19,658
Luminaire efficiency [lm/W]	98	94
medium beam		
Luminous flux [lm]	12,669	20,966
Luminaire efficiency [lm/W]	105	99
narrow beam		
Luminous flux [lm]	12,081	19,979
Luminaire efficiency [lm/W]	101	95

Luminous flux decrease

Values apply to T_a = +25 °C.
at ambient temperature



Ambient conditions

Operating temperature range: -60 ... +60 °C *

* Note: Possible to operate the luminaire at -60°C, provided the luminaire is switched on at -40°C. Delay of 10 seconds below -40 °C during cold start

Storage temperature: -40 ... +75 °C

Technical Data

Service life

	Ambient temperature T_a				
	≤ +40 °C	+45 °C	+50 °C	+55 °C	+60 °C
$L_{70}B_{10}C_{10}$	100,000 h	80,000 h	80,000 h	60,000 h	50,000 h

$L_xB_yC_z$

At the end of the service life:

- Luminous flux decreases by “x” percent.
- up to "y" percent of all luminaires fall below "x"
- up to "z" percent of all luminaires break down completely

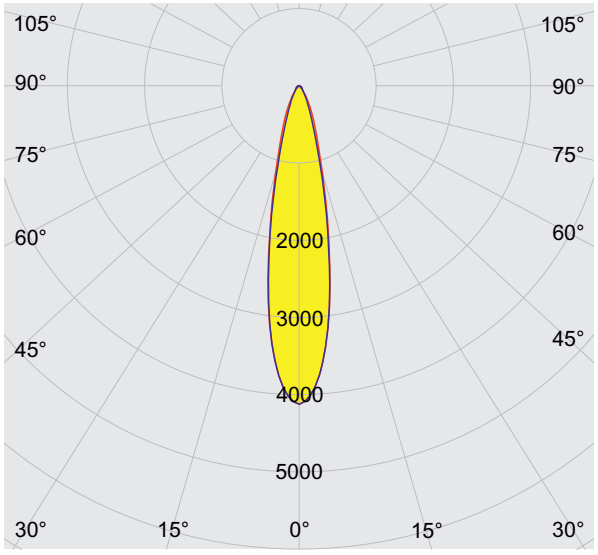
Mechanical data

Degree of protection	IP66 (IEC 60529)
Protection class	I (with internal PE connection)
Impact strength (IK code)	IK10 (IEC 62262)
Material	
Enclosure	**6125/....-....-....-.11** Sheet steel, powder-coated **6125/....-....-....-.42** Stainless steel 1.4404 (V4A), with powder coating
Colour	Colour white, similar to RAL 9010
Seal	Foamed silicone in luminaire cover
Lamp cover	Toughened glass
Bracket	Sheet steel, single powder-coated or Stainless steel SS316L (1.4404 or V4A) without powder coating
Enclosure lock	Pan head screw, M6, stainless steel Hinged enclosure cover

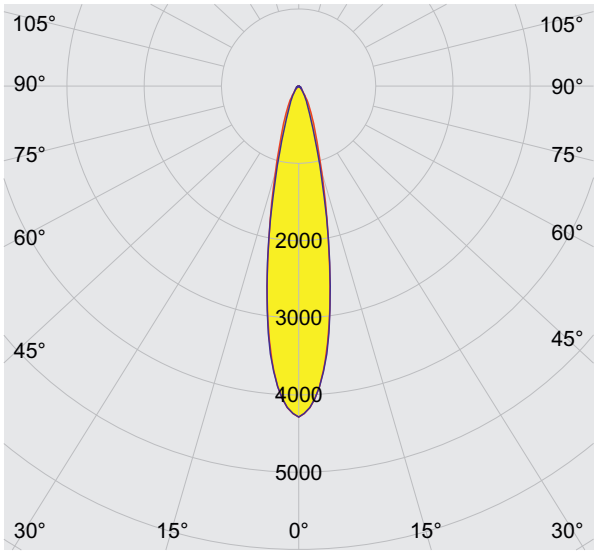
Mounting / Installation

Cable entry	1 x cable glands Series 8161 1 x stopping plugs Series 8290
Connection	**Standard:** 5-pole (2x L1, 2x L2, 2x L3, 2x N, 2x PE) Spring clamp terminals 0.75 ... 4 mm² solid / stranded Stripping length: 10 ... 11 mm **Optional:** 5-pole (2x L1, 2x L2, 2x L3, 2x N, 2x PE) Spring clamp terminals 0.75 ... 4 mm² finely and extra finely stranded 0.75 ... 6 mm² solid Stripping length: 13 ... 15 mm
Loop in/loop out	max. 12 A

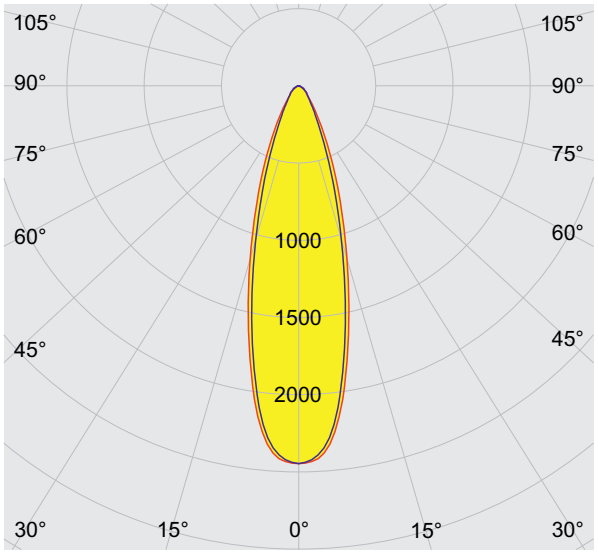
Light Distribution Curves



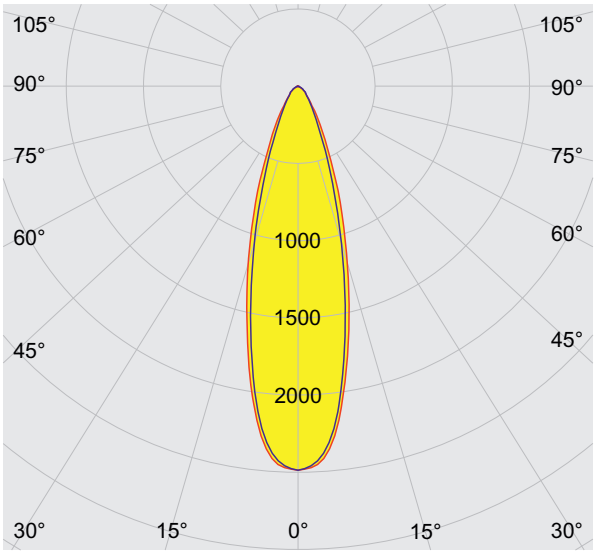
120 W narrow beam



210 W narrow beam

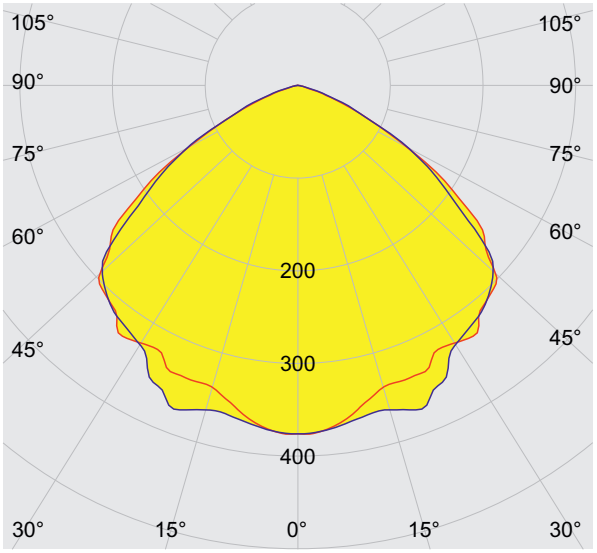


120 W medium beam

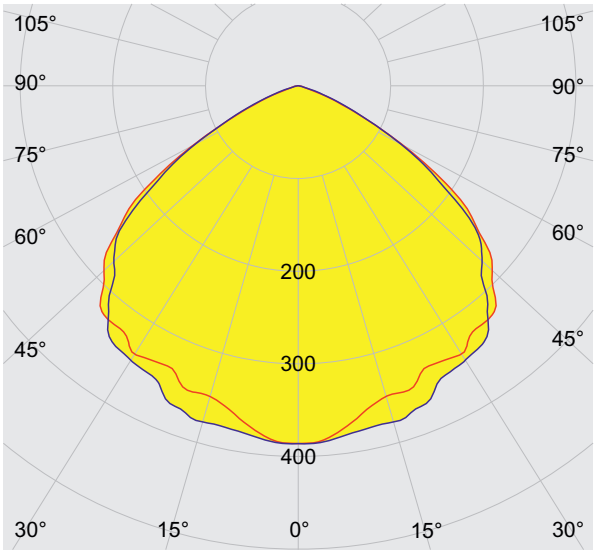


210 W medium beam

Light Distribution Curves

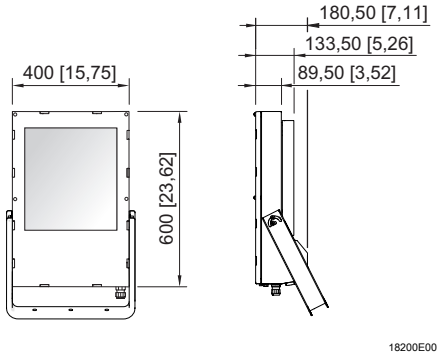


120 W wide beam

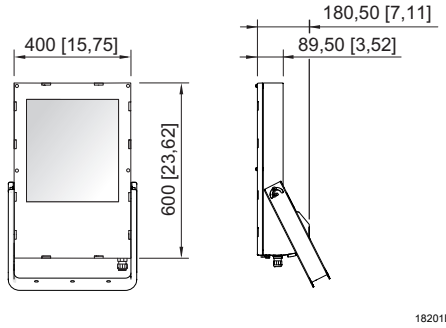


210 wide beam

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

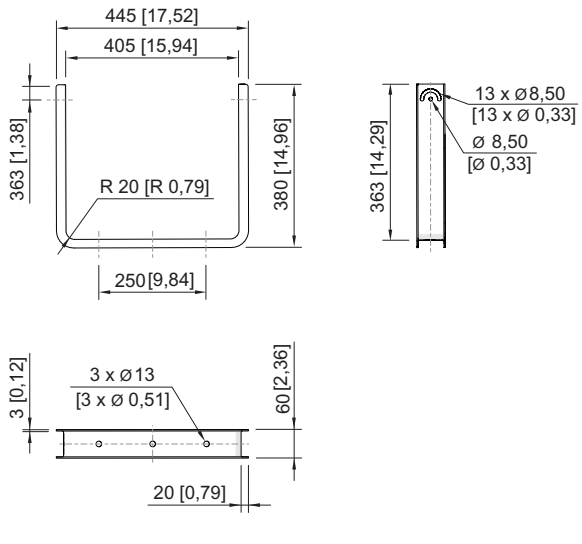


Floodlight Series 6125
with cooling element
(210 W version)



Floodlight Series 6125
without cooling element
(120 W version)

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



Mounting bracket

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