

6125/2124-5501-6021-331 Art. No. 282380



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

MY R. STAHL 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 gas certificate	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
Declaration of conformity	ATEX (EUK)

Electrical Data

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

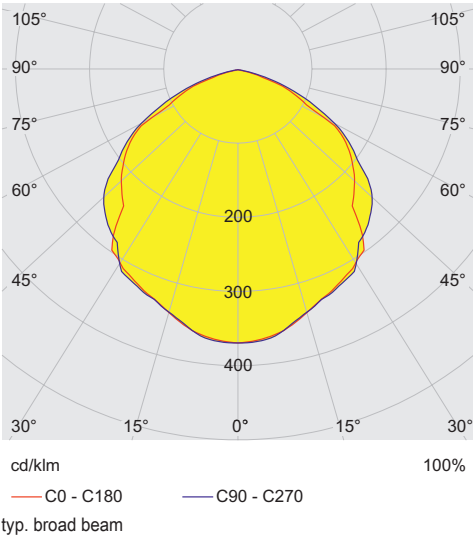
Lighting Data

Lamp wattage	225 W
Lamp type	LED
Lamp	LED
Light colour	Cool white
Light distribution	Wide beam
Luminaire efficacy	103 lm/W
Luminous flux	22654 lm
Colour rendering	≥ 70
Colour temperature	5700 K

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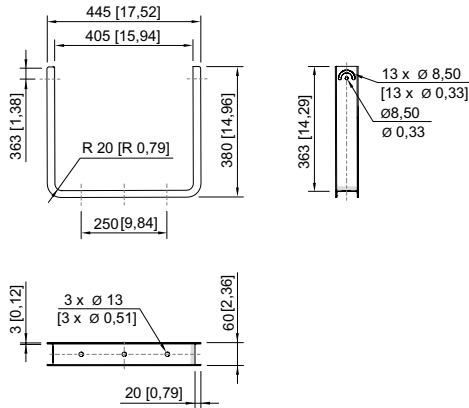
Ambient Conditions	
Ambient temperature	-60 °C ... +60 °C
Storage temperature	-40 °C ... +75 °C
Mechanical Data	
Degree of protection (IP)	IP66
Class	I
Enclosure material	Stainless steel 1.4301, Powder-coated Single-layer powder-coated
Enclosure colour	Similar to RAL 9010
Sealing material	Silicone
Pane material	Reinforced glass
Max. solid connection terminals	6 mm²
Max. finely stranded connection terminals	4 mm²
Type of connection cable	Finely stranded Solid
Width	400 mm
Height	84 mm
Length	520 mm
Impact strength (IEC 62262)	IK10
Mounting	With bracket, SS304
Weight	19 kg
Weight	41.89 lb
Mounting / Installation	
Note about mounting	Provided
Components	
Drilled holes	3 x M20
Cable glands and entries	1 x M20 x 1.5 CMP-20A2F
Material cable gland	Nickel-plated brass
Stopping plugs	2 x M20 x 1.5
Stopping plug material	Polyamide, black

Light Distribution Curves

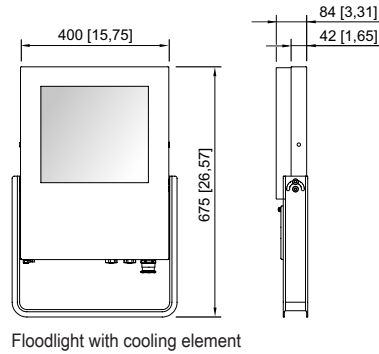


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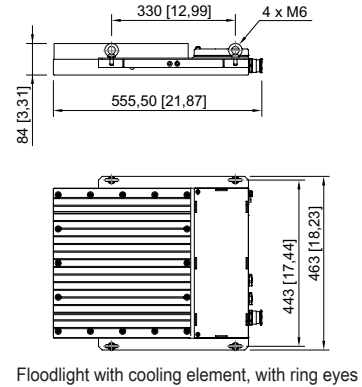
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



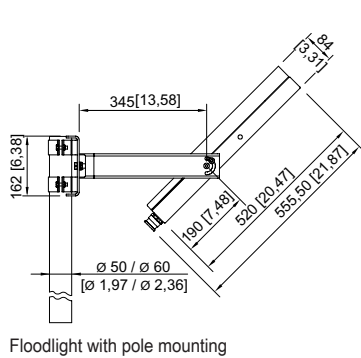
Mounting bracket



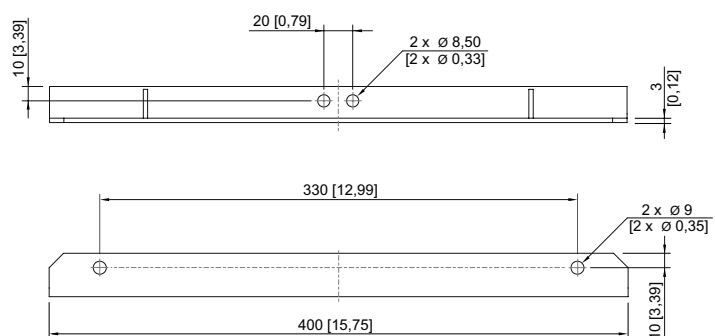
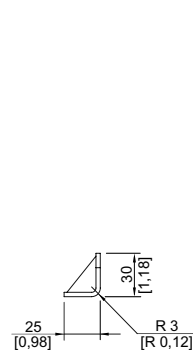
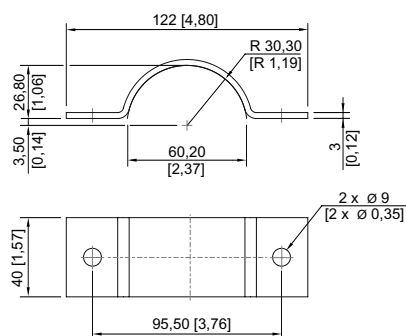
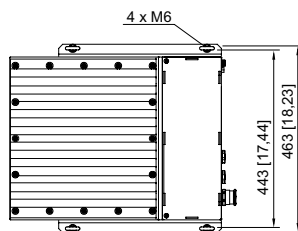
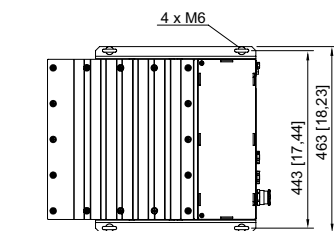
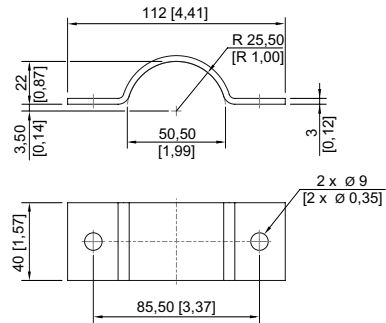
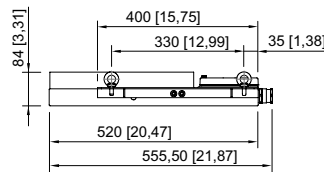
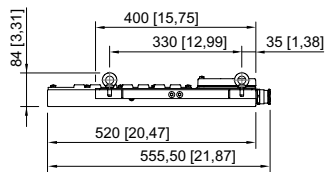
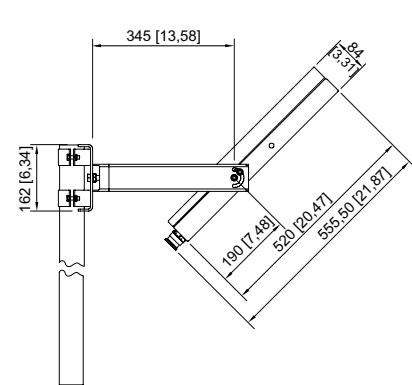
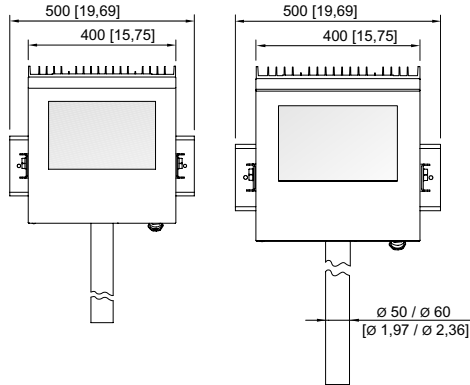
Floodlight with cooling element



Floodlight with cooling element, with ring eyes

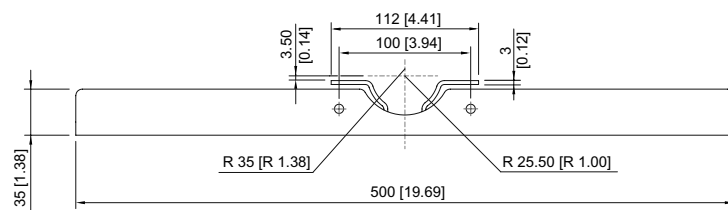
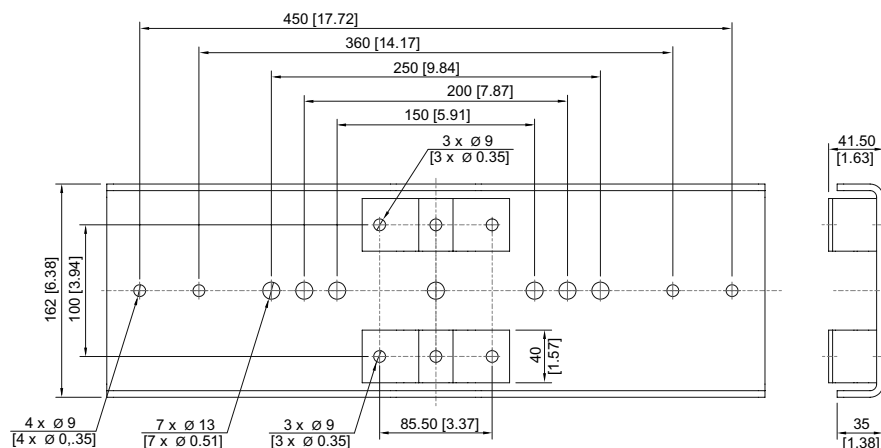
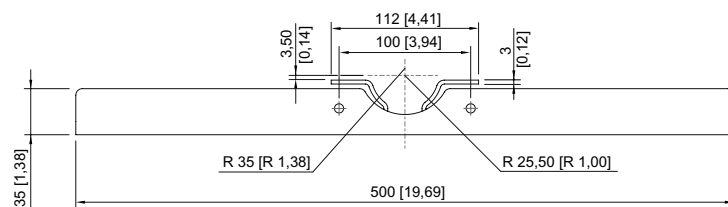


Floodlight with pole mounting

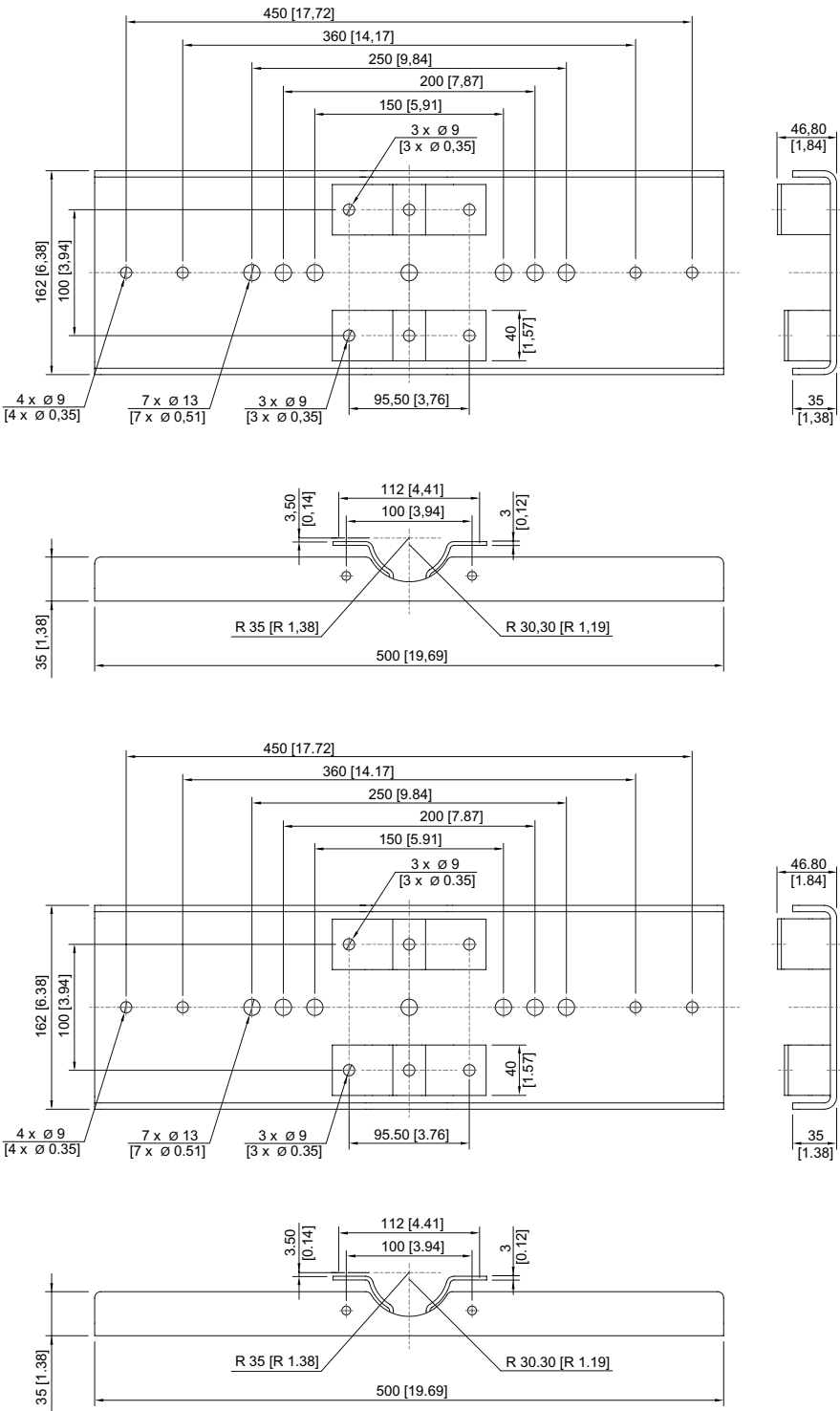


Technical drawing of a mechanical part with dimensions in mm and inches. The drawing shows a top view of a rectangular plate with various holes and features. The dimensions are as follows:

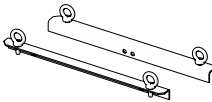
- Overall width: 450 [17,72]
- Overall height: 162 [6,38]
- Distance from top edge to first hole center: 100 [3,94]
- Distance between first and second hole centers: 150 [5,91]
- Distance between second and third hole centers: 200 [7,87]
- Distance between third and fourth hole centers: 250 [9,84]
- Distance between fourth and fifth hole centers: 360 [14,17]
- Distance between fifth and sixth hole centers: 450 [17,72]
- Distance between sixth and seventh hole centers: 450 [17,72]
- Distance between seventh and eighth hole centers: 450 [17,72]
- Distance between eighth and ninth hole centers: 450 [17,72]
- Distance between ninth and tenth hole centers: 450 [17,72]
- Distance between tenth and eleventh hole centers: 450 [17,72]
- Distance between eleventh and twelfth hole centers: 450 [17,72]
- Distance between twelfth and thirteenth hole centers: 450 [17,72]
- Distance between thirteenth and fourteenth hole centers: 450 [17,72]
- Distance between fourteenth and fifteenth hole centers: 450 [17,72]
- Distance between fifteenth and sixteenth hole centers: 450 [17,72]
- Distance between sixteenth and seventeenth hole centers: 450 [17,72]
- Distance between seventeenth and eighteenth hole centers: 450 [17,72]
- Distance between eighteenth and nineteenth hole centers: 450 [17,72]
- Distance between nineteenth and twentieth hole centers: 450 [17,72]
- Distance between twentieth and twenty-first hole centers: 450 [17,72]
- Distance between twenty-first and twenty-second hole centers: 450 [17,72]
- Distance between twenty-second and twenty-third hole centers: 450 [17,72]
- Distance between twenty-third and twenty-fourth hole centers: 450 [17,72]
- Distance between twenty-fourth and twenty-fifth hole centers: 450 [17,72]
- Distance between twenty-fifth and twenty-sixth hole centers: 450 [17,72]
- Distance between twenty-sixth and twenty-seventh hole centers: 450 [17,72]
- Distance between twenty-seventh and twenty-eighth hole centers: 450 [17,72]
- Distance between twenty-eighth and twenty-ninth hole centers: 450 [17,72]
- Distance between twenty-ninth and thirtieth hole centers: 450 [17,72]
- Distance between thirtieth and thirty-first hole centers: 450 [17,72]
- Distance between thirty-first and thirty-second hole centers: 450 [17,72]
- Distance between thirty-second and thirty-third hole centers: 450 [17,72]
- Distance between thirty-third and thirty-fourth hole centers: 450 [17,72]
- Distance between thirty-fourth and thirty-fifth hole centers: 450 [17,72]
- Distance between thirty-fifth and thirty-sixth hole centers: 450 [17,72]
- Distance between thirty-sixth and thirty-seventh hole centers: 450 [17,72]
- Distance between thirty-seventh and thirty-eighth hole centers: 450 [17,72]
- Distance between thirty-eighth and thirty-ninth hole centers: 450 [17,72]
- Distance between thirty-ninth and fortieth hole centers: 450 [17,72]
- Distance between fortieth and forty-first hole centers: 450 [17,72]
- Distance between forty-first and forty-second hole centers: 450 [17,72]
- Distance between forty-second and forty-third hole centers: 450 [17,72]
- Distance between forty-third and forty-fourth hole centers: 450 [17,72]
- Distance between forty-fourth and forty-fifth hole centers: 450 [17,72]
- Distance between forty-fifth and forty-sixth hole centers: 450 [17,72]
- Distance between forty-sixth and forty-seventh hole centers: 450 [17,72]
- Distance between forty-seventh and forty-eighth hole centers: 450 [17,72]
- Distance between forty-eighth and forty-ninth hole centers: 450 [17,72]
- Distance between forty-ninth and fiftieth hole centers: 450 [17,72]
- Distance between fiftieth and fifty-first hole centers: 450 [17,72]
- Distance between fifty-first and fifty-second hole centers: 450 [17,72]
- Distance between fifty-second and fifty-third hole centers: 450 [17,72]
- Distance between fifty-third and fifty-fourth hole centers: 450 [17,72]
- Distance between fifty-fourth and fifty-fifth hole centers: 450 [17,72]
- Distance between fifty-fifth and fifty-sixth hole centers: 450 [17,72]
- Distance between fifty-sixth and fifty-seventh hole centers: 450 [17,72]
- Distance between fifty-seventh and fifty-eighth hole centers: 450 [17,72]
- Distance between fifty-eighth and fifty-ninth hole centers: 450 [17,72]
- Distance between fifty-ninth and sixtieth hole centers: 450 [17,72]
- Distance between sixtieth and sixty-first hole centers: 450 [17,72]
- Distance between sixty-first and sixty-second hole centers: 450 [17,72]
- Distance between sixty-second and sixty-third hole centers: 450 [17,72]
- Distance between sixty-third and sixty-fourth hole centers: 450 [17,72]
- Distance between sixty-fourth and sixty-fifth hole centers: 450 [17,72]
- Distance between sixty-fifth and sixty-sixth hole centers: 450 [17,72]
- Distance between sixty-sixth and sixty-seventh hole centers: 450 [17,72]
- Distance between sixty-seventh and sixty-eighth hole centers: 450 [17,72]
- Distance between sixty-eighth and sixty-ninth hole centers: 450 [17,72]
- Distance between sixty-ninth and seventieth hole centers: 450 [17,72]
- Distance between seventieth and seventy-first hole centers: 450 [17,72]
- Distance between seventy-first and seventy-second hole centers: 450 [17,72]
- Distance between seventy-second and seventy-third hole centers: 450 [17,72]
- Distance between seventy-third and seventy-fourth hole centers: 450 [17,72]
- Distance between seventy-fourth and seventy-fifth hole centers: 450 [17,72]
- Distance between seventy-fifth and seventy-sixth hole centers: 450 [17,72]
- Distance between seventy-sixth and seventy-seventh hole centers: 450 [17,72]
- Distance between seventy-seventh and seventy-eighth hole centers: 450 [17,72]
- Distance between seventy-eighth and seventy-ninth hole centers: 450 [17,72]
- Distance between seventy-ninth and eightieth hole centers: 450 [17,72]
- Distance between eightieth and eighty-first hole centers: 450 [17,72]
- Distance between eighty-first and eighty-second hole centers: 450 [17,72]
- Distance between eighty-second and eighty-third hole centers: 450 [17,72]
- Distance between eighty-third and eighty-fourth hole centers: 450 [17,72]
- Distance between eighty-fourth and eighty-fifth hole centers: 450 [17,72]
- Distance between eighty-fifth and eighty-sixth hole centers: 450 [17,72]
- Distance between eighty-sixth and eighty-seventh hole centers: 450 [17,72]
- Distance between eighty-seventh and eighty-eighth hole centers: 450 [17,72]
- Distance between eighty-eighth and eighty-ninth hole centers: 450 [17,72]
- Distance between eighty-ninth and ninetieth hole centers: 450 [17,72]
- Distance between ninetieth and one hundred hole centers: 450 [17,72]



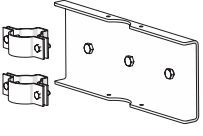
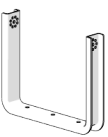
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Accessories

Mounting set		Art. No.
	for pendant mounting with ring bolts included - stainless steel SS316L (1.4404 or V4A) without powder coating	257464

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	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
Ring bolt		Art. No.
	M6 (4 pieces), direct mounting in insert nuts	254234
Mounting bracket		Art. No.
	Sheet steel, single powder coated	244604
	Stainless steel SS316L (1.4404 or V4A) without powder coating	221589

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.