

6125/2124-1501-6014-331 Art. No. 284567



- 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    |

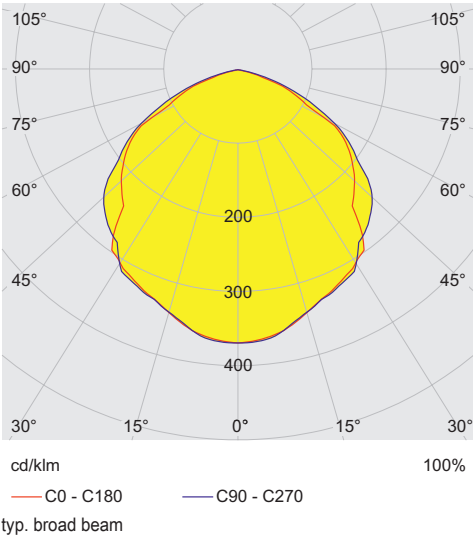
### Lighting Data

|                    |            |
|--------------------|------------|
| Lamp wattage       | 100 W      |
| Lamp type          | LED        |
| Lamp               | LED        |
| Light colour       | Warm white |
| Light distribution | Wide beam  |
| Luminaire efficacy | 99 lm/W    |
| Luminous flux      | 9860 lm    |
| Colour rendering   | ≥ 80       |
| Colour temperature | 4000 K     |

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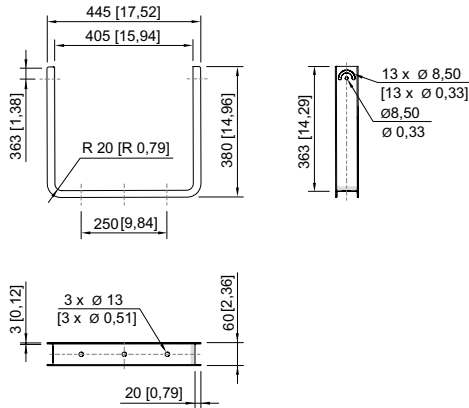
|                                           |                                                                     |
|-------------------------------------------|---------------------------------------------------------------------|
| <b>Ambient Conditions</b>                 |                                                                     |
| Ambient temperature                       | -50 °C ... +60 °C                                                   |
| Storage temperature                       | -40 °C ... +75 °C                                                   |
| <b>Mechanical Data</b>                    |                                                                     |
| Degree of protection (IP)                 | IP66                                                                |
| Class                                     | I                                                                   |
| Enclosure material                        | Stainless steel 1.4301, Powder-coated<br>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<br>Solid                                            |
| Width                                     | 400 mm                                                              |
| Height                                    | 70 mm                                                               |
| Length                                    | 520 mm                                                              |
| Impact strength (IEC 62262)               | IK10                                                                |
| Mounting                                  | With bracket, SS304                                                 |
| Weight                                    | 16.5 kg                                                             |
| Weight                                    | 36.38 lb                                                            |
| <b>Mounting / Installation</b>            |                                                                     |
| Note about mounting                       | Provided                                                            |
| <b>Components</b>                         |                                                                     |
| Drilled holes                             | 3 x M25                                                             |
| Cable glands and entries                  | 1 x M25 x 1.5<br>CMP-25A2F                                          |
| Material cable gland                      | Nickel-plated brass                                                 |
| Stopping plugs                            | 2 x M25 x 1.5                                                       |
| Stopping plug material                    | Polyamide, black                                                    |

Light Distribution Curves

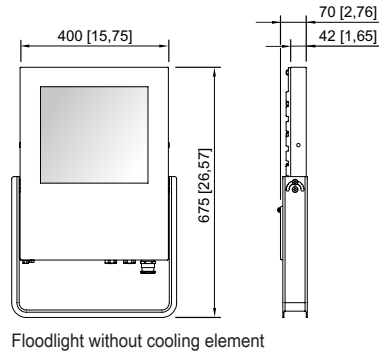


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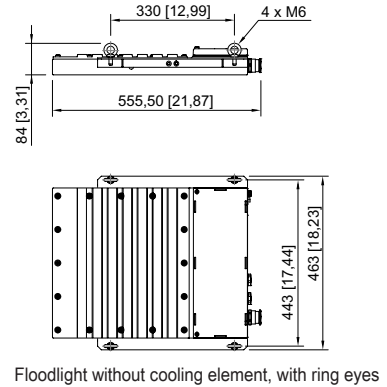
### Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



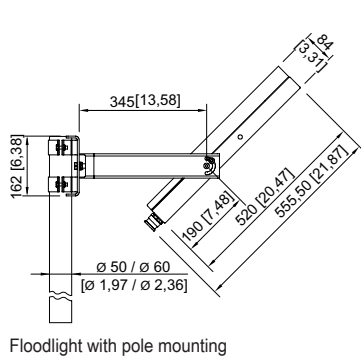
Mounting bracket



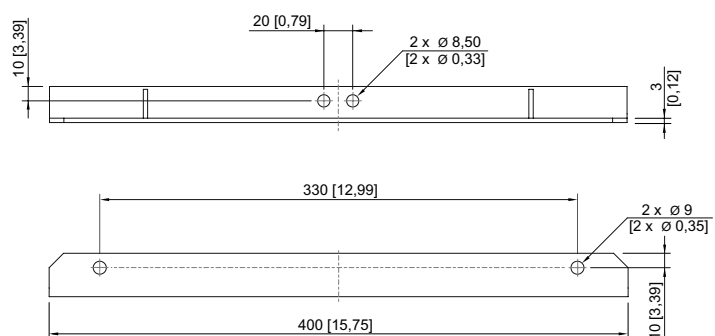
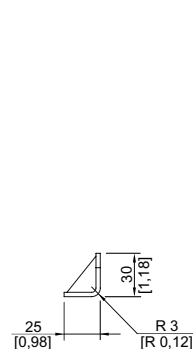
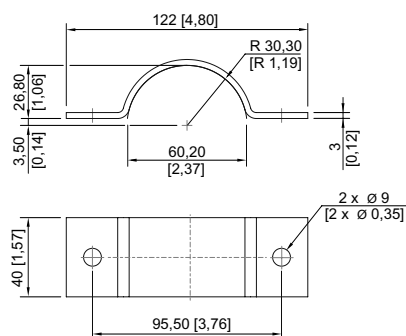
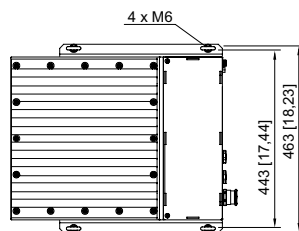
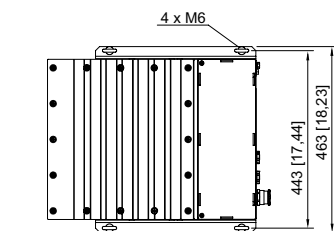
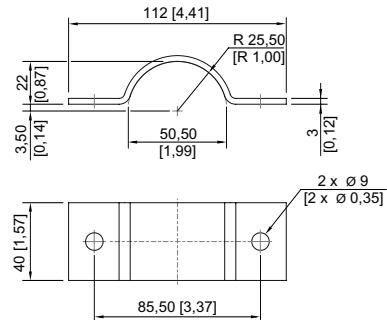
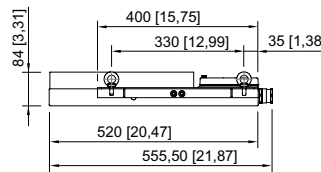
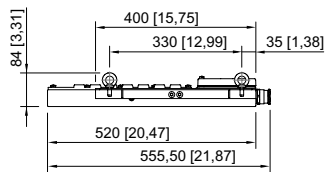
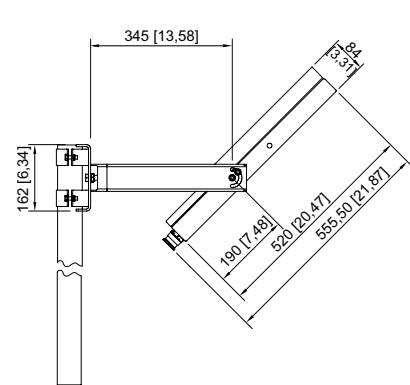
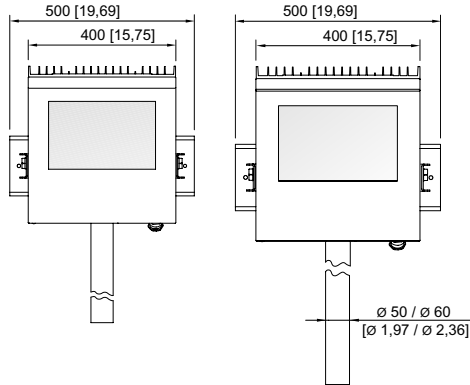
Floodlight without cooling element

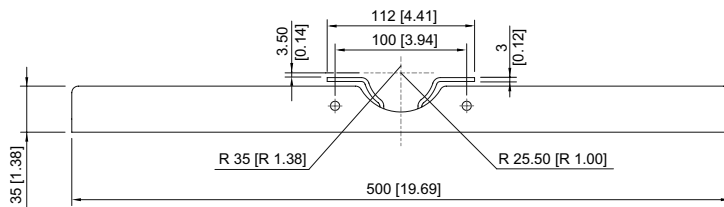
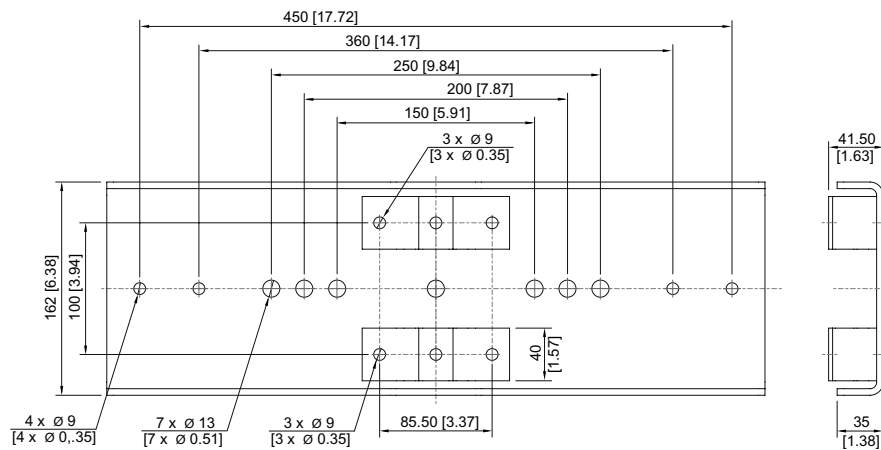
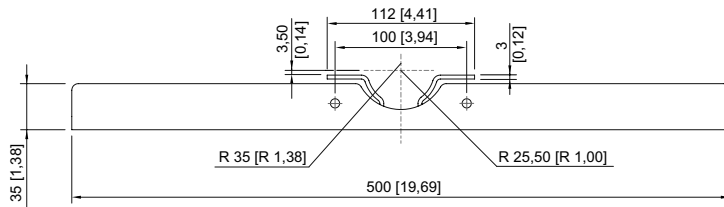


Floodlight without cooling element, with ring eyes



Floodlight with pole mounting



[illegible]

Technical drawing of a mechanical part, showing dimensions in mm and inches.

**Top View Dimensions:**

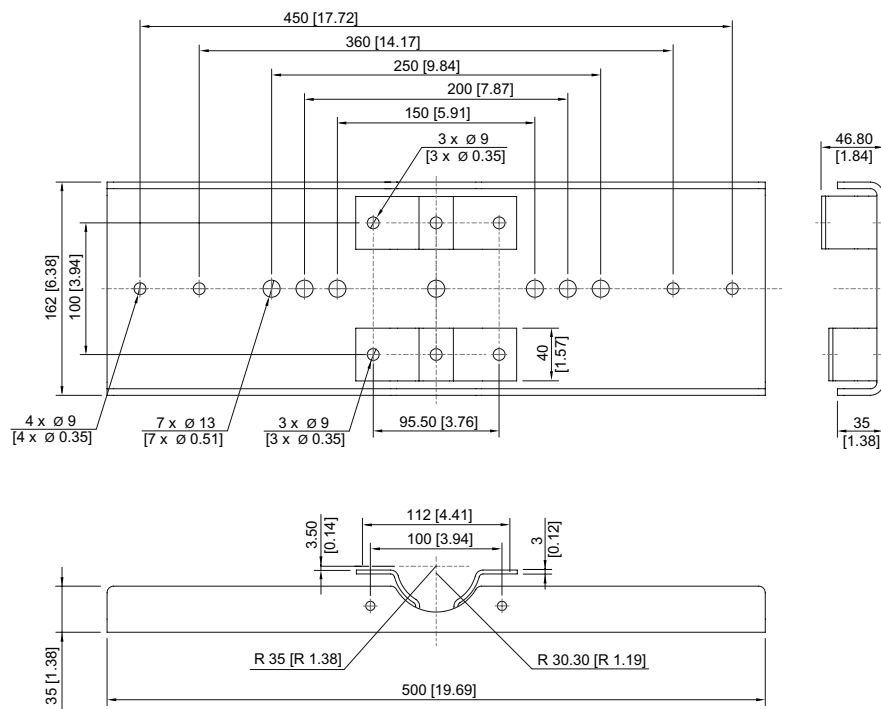
- Overall width: 450 [17,72]
- Overall height: 162 [6,38]
- Distance from left edge to first hole center: 100 [3,94]
- Distance between hole centers: 112 [4,41]
- Distance from last hole center to right edge: 100 [3,94]
- Distance from left edge to first hole center: 100 [3,94]
- Distance between hole centers: 112 [4,41]
- Distance from last hole center to right edge: 100 [3,94]
- Distance from left edge to first hole center: 100 [3,94]
- Distance between hole centers: 112 [4,41]
- Distance from last hole center to right edge: 100 [3,94]

**Side View Dimensions:**

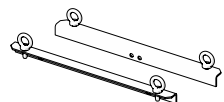
- Overall height: 46,80 [1,84]
- Distance from top edge to first hole center: 35 [1,38]
- Distance from top edge to last hole center: 35 [1,38]
- Distance from top edge to first hole center: 35 [1,38]
- Distance from top edge to last hole center: 35 [1,38]

**Other Dimensions:**

- Distance from left edge to first hole center: 100 [3,94]
- Distance between hole centers: 112 [4,41]
- Distance from last hole center to right edge: 100 [3,94]
- Distance from left edge to first hole center: 100 [3,94]
- Distance between hole centers: 112 [4,41]
- Distance from last hole center to right edge: 100 [3,94]
- Distance from left edge to first hole center: 100 [3,94]
- Distance between hole centers: 112 [4,41]
- Distance from last hole center to right edge: 100 [3,94]



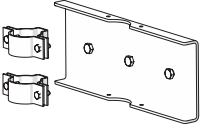
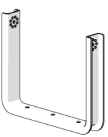
### Mounting set



**Art. No.**

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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          |
| <b>Ring bolt</b>                                                                 |                                                                                                               | <b>Art. No.</b> |
|  | M6 (4 pieces), direct mounting in insert nuts                                                                 | 254234          |
| <b>Mounting bracket</b>                                                          |                                                                                                               | <b>Art. No.</b> |
|  | 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.