

6050/604-801-7B2-008850-002 Art. No. 270018



- Extremely compact universal light fitting with 4 power classes
- Can be used as a ceiling light fitting, pendant light fitting or floodlight
- Three light distribution curves available: Ultra-wide-beam, wide-beam and medium-wide-beam
- Glare-free thanks to opaque light fitting covering
- Quick, easy installation thanks to Ex e connection chamber
- Universally suitable for use in particularly cold environments as cold as -55 °C
- Suitable for particularly high ambient temperatures up to +70 °C

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 certificate           | IECEX EPS 17.0093                                      |
| IECEX gas explosion protection  | Ex db eb op is IIC T4 Gb                               |
| IECEX dust certificate          | IECEX EPS 17.0093                                      |
| IECEX dust explosion protection | Ex tb op is IIIC T110 °C Db                            |
| ATEX gas certificate            | EPS 17 ATEX 1 181                                      |
| ATEX gas explosion protection   | Ex II 2 G Ex db eb op is IIC T4 Gb                     |
| ATEX dust certificate           | EPS 17 ATEX 1 181                                      |
| ATEX dust explosion protection  | Ex II 2 D Ex tb op is IIIC T110 °C Db                  |
| Certificates and approvals      | ATEX<br>IECEX<br>UKEX                                  |
| Certificates                    | ATEX (BVIS), Brazil (ULB), IECEX (BVIS), Polen (CNBOP) |
| Ship approval                   | DNVGL  |
| Declaration of Conformity       | ATEX (EUK), Declaration of Conformity (AUS)            |
| Electrical Data                 |  |
| Rated operational voltage AC    | 220 ... 240 V  |
| Interfaces                      | DALI   |
| Frequency range                 | 50 – 60 Hz   |
| Start-up current                | I <sub>peak</sub> = 57 A, Delta t = 210 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  |

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### Lighting Data

|                    |          |
|--------------------|----------|
| Luminaire efficacy | 113 lm/W |
| Luminous flux      | 8800 lm  |
| Colour rendering   | ≥ 80     |
| Colour temperature | 5000 K   |

### Ambient Conditions

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

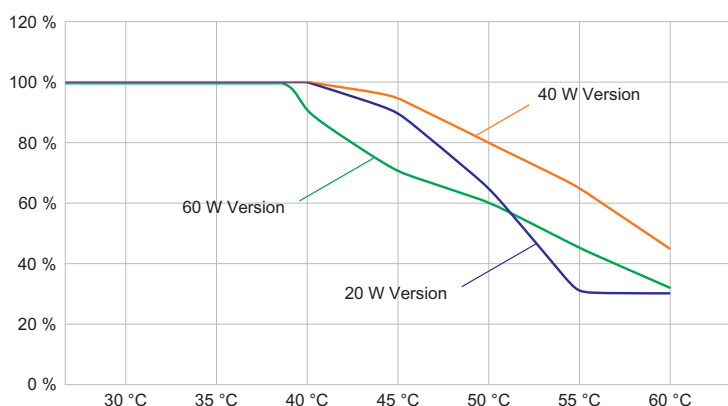
### Mechanical Data

|   |   |
|---|---|
| Version                                   | Pendant mounting                                      |
| Degree of protection (IP)                 | IP66 / IP68 (10 m)                                    |
| IP degree of protection (IEC 60598)       | IP66/IP68   |
| Enclosure material                        | Aluminium, Seawater-resistant                         |
| Enclosure colour                          | Standard  |
| Sealing material                          | Silicone  |
| Silicone-free content                     | Contains silicone                                     |
| Protective glass material 2               | Pressed glass   |
| Max. solid connection terminals           | 6 mm <sup>2</sup>                                     |
| Max. finely stranded connection terminals | 4 mm <sup>2</sup>                                     |
| Type of connection cable                  | Solid<br>Finely stranded<br>Finely stranded with clip |
| Size                                      | 1   |
| Width                                     | 260 mm  |
| Height                                    | 231.5 mm  |
| Length                                    | 310 mm  |
| Reflector                                 | Yes   |
| Weight                                    | 6.86 kg   |
| Weight                                    | 15.12 lb  |
| Disconnection of the luminaire            | No  |

### 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



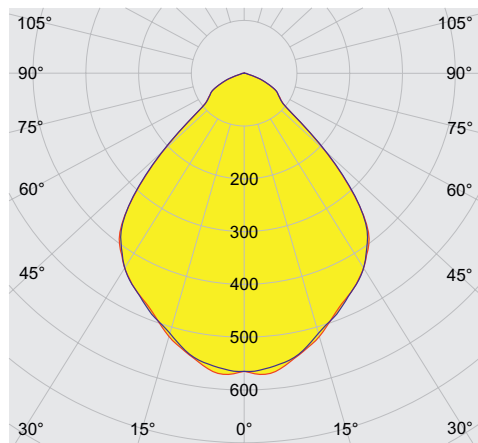
Luminous flux decrease at ambient temperature - variants with DALI

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Luminous flux decrease at ambient temperature - variants without DALI

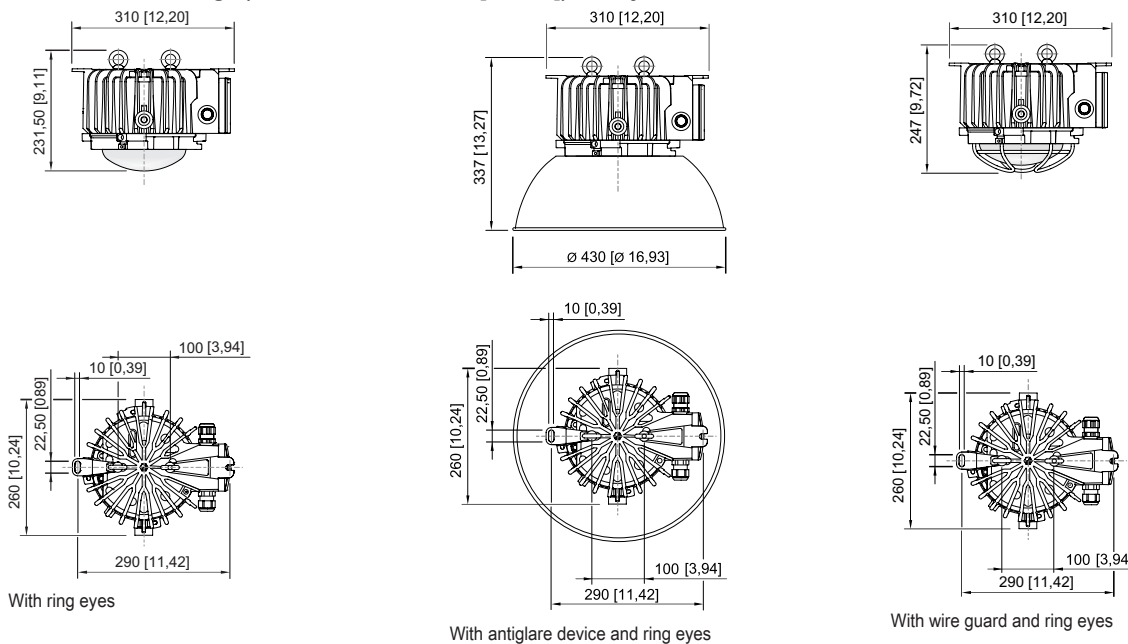
### Light Distribution Curves



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





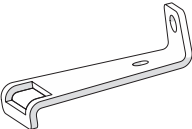
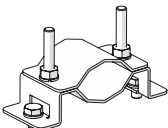


With internal reflector, protection glass clear

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



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Accessories

| Antiglare device / reflector   |   | Art. No. |
|--|---|----------|
|    | Complete with mounting parts<br>Material: Aluminium<br>For 6050/11 and 6050/6   | 118565   |
| Cable gland made of plastic  |   | Art. No. |
|    | 8161/7-M25-1707, Ex e<br>Plastic, M25 x 1.5, cable outer diameter 7 to 17 mm<br>Lot size 50 pieces  | 239157   |
| External reflector   |   | Art. No. |
|    | Narrow-beam<br>Complete with mounting parts<br>Material: High-gloss anodised aluminium<br>For 6050/11   | 118558   |
| Mounting bracket   |   | Art. No. |
|  | Complete; made from stainless steel (for subsequent self-mounting)<br>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   |
| Pipe clamp   |   | Art. No. |
|  | for pipe R 1 1/4" to 2"   | 268967   |
| Plastic cable gland  |   | Art. No. |
|  | 8161/7-M25-1707<br>7 to 17 mm <sup>2</sup><br>1 piece   | 229918   |
| Ring bolt  |   | Art. No. |
|  | M8, für 6050/6, direct mounting; 1 pair   | 265874   |
|  | M10, direct mounting in insert nuts; 1 pair   | 118560   |

# Lighting

## LED pendant light fitting



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### Stopping plug

Art. No.

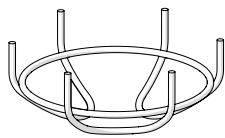


8290/3-M25  
Plastic, M25 x 1.5  
Lot size 1 piece

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.