

6050/604-600-6B2-100850-001 Art. No. 265421



- 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 explosion protection  | Ex db eb op is IIC T4 Gb                               |
| IECEX dust explosion protection | Ex tb op is IIIC T110 °C Db                            |
| ATEX gas explosion protection   | ⊕ II 2 G Ex db eb op is IIC T4 Gb                      |
| ATEX dust explosion protection  | ⊕ 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                   | DNV  |
| Declaration of conformity       | ATEX (EUK)   |

#### Electrical Data

|                              |  |
|------------------------------|--|
| AC rated operational voltage | 110 ... 277 V                              |
| Frequency range              | 50 – 60 Hz                                 |
| Start-up current             | I <sub>peak</sub> = 55 A, Delta t = 230 µs |

#### Lighting Data

|                    |                        |
|--------------------|------------------------|
| Number of lamps    | 1                      |
| Lamp wattage       | 60 W                   |
| Lamp type          | LED                    |
| Lamp               | LED                    |
| Light colour       | 5000 K – neutral white |
| Light distribution | Wide beam              |
| Luminaire efficacy | 122 lm/W               |
| Luminous flux      | 7400 lm                |
| Colour rendering   | ≥ 80                   |
| Colour temperature | 5000 K                 |

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### Ambient Conditions

Ambient temperature -40 °C ... +60 °C

### Mechanical Data

|   |   |
|---|---|
| Version                                   | Bracket 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                  | Finely stranded<br>Solid<br>Finely stranded with clip |
| Size                                      | 1   |
| Width                                     | 298 mm  |
| Height                                    | 327.5 mm  |
| Length                                    | 310 mm  |
| Reflector                                 | No  |
| Disconnection of the luminaire            | No  |
| Weight                                    | 8.52 kg   |
| Weight                                    | 18.78 lb  |

### Components

|                          |               |
|--------------------------|---------------|
| Cable glands and entries | 1 x M25 x 1.5 |
| Stopping plugs           | 1 x M25 x 1.5 |
| Wire guard               | Yes           |

### 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

Without internal reflector, protection glass clear

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



With mounting bracket

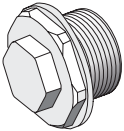
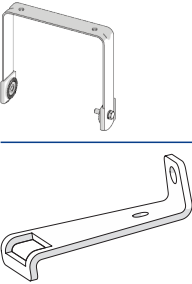
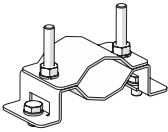

With wire guard and mounting bracket

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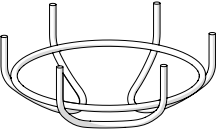


With antiglare device and mounting bracket

## Accessories

|  |   | Art. No. |
|--|---|----------|
| <b>Breather</b>  |   |          |
|  | Thread: M20 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut   | 323702   |
|  | Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut   | 296608   |
| <b>Mounting bracket</b>  |   |          |
|  | 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   |
| <b>Pipe clamp</b>  |   |          |
|  | for pipe R 1 1/4" to 2"   | 268967   |
| <b>Plastic cable gland</b>   |   |          |
|  | 81617-M25-1707<br>7 to 17 mm <sup>2</sup><br>1 piece  | 229918   |
|  | 81617-M25-1707, Ex e<br>Plastic, M25 x 1.5, cable outer diameter 7 to 17 mm<br>Lot size 50 pieces   | 239157   |

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| Ring bolt  |  | Art. No. |
|--|--|----------|
|  | M8, für 6050/6, direct mounting; 1 pair                                      | 265874   |
|  | M10, direct mounting in insert nuts; 1 pair                                  | 118560   |
| Stopping plug  |  | Art. No. |
|  | 8290/3-M25<br>Plastic, M25 x 1.5<br>Lot size 1 piece                         | 143524   |
| Wire guard   |  | Art. No. |
|  | Complete with mounting parts<br>Material: Stainless steel wire<br>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.