

## Explosion-protected LED light fitting

## ExeLED 2

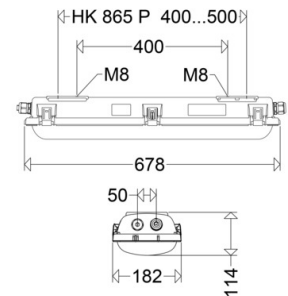
### nD866F 06L22

[ Item no. : 86600 0050 ]



#### General product description

Explosion-protected LED light fitting ExeLED 2 for zone 2/22. Glass fibre reinforced polyester housing, frosted cover made of polycarbonate with silicone gasket and stainless steel clips, two of them as safety clip. Steel reflector, varnished, carrying the LED modules and all electrical components, clipped into the cover, removable as a unit. ECG with overvoltage, overload and short circuit protection. External mounting system for variable mounting (accessory).

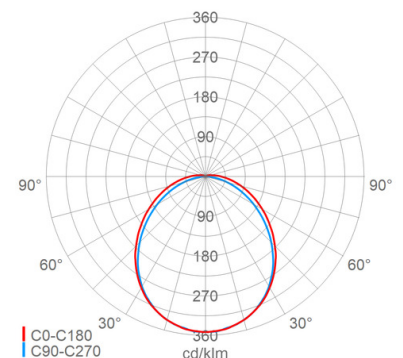


#### General product benefits

- LED modules protected against mechanical and electrostatic damage by sandwich design of reflector and cover
- homogenous illumination due to frosted cover for comfortable perception of light and brilliant glare limitation
- high colour rendering index  $CRI \geq 80$ , according to the workplace guidelines suitable for nearly all plant locations
- FastFix mounting system - external mounting system for variable mounting distances and easy installation (accessory)
- ECG and reflector with LED modules replaceable by qualified personnel on-site

#### Applications

Hazardous areas zone 2 (gas) and zone 22 (dust), light fitting is not suitable for use in areas with permanently high humidity and short operation time, e.g. sewage plants and rainwater retention basins



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**Technical data****Explosion protection**

|                                     |                            |
|-------------------------------------|----------------------------|
| EX-Zone:                            | 2, 22                      |
| EX-marking gas:                     | II 3 G Ex ec IIC T4 Gc     |
| EX-marking dust:                    | II 3 D Ex tc IIIC T80°C Dc |
| Primary ignition protection method: | ec                         |
| Temperature class:                  | T4                         |
| Surface temperature:                | T80°C                      |
| ATEX:                               | IBExU 16 ATEX B006         |
| IECEX:                              | IECEX IBE 15.0015          |

**Key technical data**

|                                    |   |
|------------------------------------|---|
| Light source:                      | LED   |
| LED module standard:               | Zhaga   |
| Connected load:                    | 15 W  |
| Luminaire luminous flux:           | 2170 lm   |
| Luminous efficacy:                 | 145 lm/W  |
| Colour temperature:                | 5000 K  |
| Colour rendering (CRI):            | ≥ 80  |
| Light colour:                      | 850   |
| Admissible ambient temperature Ta: | -30 °C to +40 °C  |
| Control gear:                      | 1 x ECG, Overload protection , Short circuit protection |

**Lighting technology**

|                         |           |
|-------------------------|-----------|
| Light distribution:     | wide beam |
| Photobiological safety: | RG1       |

**Service life**

|                   |   |
|-------------------|---|
| Service life LED: | L80B50>100000 h (@ Ta max),<br>L80B50>100000 h (@ Ta 25°C),<br>L90B50>80000 h (@ Ta 25°C) |
|-------------------|---|

**Electrical connection**

|                         |   |
|-------------------------|---|
| Rated voltage:          | 220 - 240 V, 0 Hz, 50/60 Hz                                     |
| Terminal clamp:         | Cage clamp, 3-polig, 0.75 - 2.5 mm <sup>2</sup>                 |
| Max. no. (with CB B16): | 19  |
| CB B10/B13/B20/B25:     | 11/15/23/29   |
| CB C10/C13/C16/C20/C25: | 19/25/32/39/49  |
| Cable entries:          | M25 (3x), screw plug (1x), cable gland (2x), Plastic, 8 - 17 mm |
| In-out wiring (RR):     | Yes   |

**Housing**

|                   |                                  |
|-------------------|----------------------------------|
| Housing material: | Glass fibre reinforced polyester |
| Colour:           | grey                             |

**Cover**

|                       |                                  |
|-----------------------|----------------------------------|
| Cover type/material:  | Diffuser (PC)                    |
| Cover characteristic: | satined                          |
| Closure:              | Clips (Stainless steel (1.4571)) |

**Mounting**

|  |   |
|--|---|
| Mounting method (accessories possibly needed): | Ceiling, Ceiling with bracket, Ceiling with angle, Wall, Wall with bracket, Wall with angle, Suspended, Mounting rail |
| Operating position:                            | downwards radiation, forwards radiation, vertical, horizontal   |
| Mounting:                                      | 2-point   |

**Features/Certificates**

|                          |      |
|--------------------------|------|
| Protection class:        | I    |
| IP rating:               | IP66 |
| IK rating:               | IK10 |
| Approval marks:          | CE   |
| Energy efficiency class: | C    |

**Dimension/Weight**

|                 |               |
|-----------------|---------------|
| Length:         | 678.00 mm     |
| Width/Diameter: | 182.00 mm     |
| Height:         | 114.00 mm     |
| Net weight:     | 3.30 kg       |
| EAN/GTIN:       | 4041254341477 |

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**Optional accessories/spare parts**

| Item no.   | Item name      | Item description                                      |
|------------|----------------|---|
| 90055 9004 | KE/KES VE10    | locking clips (10 pcs.) with 2 safety clips           |
| 90055 9005 | KES P          | safety clips (1 pair)                                 |
| 90055 9007 | KE/KES G2 VE10 | locking clips (10 pcs.) with 2 safety clips           |
| 90055 9006 | KES G2 P       | safety clips (1 pair)                                 |
| 90117 9006 | 2537 G         | Ex-protected plastic cable gland M25x1.5 with locknut |
| 90118 9006 | 2538 G         | Ex-protected plastic screw plug M25x1.5 with locknut  |
| 90259 9000 | KS25 EX        | Ex-protected breathing gland M25x1.5                  |
| 86501 9003 | HK865 P        | 2 retaining clips for variable mounting distances     |
| 90001 0002 | H8V P          | 2 suspension eyes with bolt M8, stainless steel       |
| 90000 0002 | 15A P          | 2 ceiling brackets, hot galvanized steel              |
| 90032 0002 | 15AV P         | 2 ceiling brackets, stainless steel                   |
| 90037 0004 | RO84 112 A P   | 2 pipe clamps 1 1/2", stainless steel, with support   |
| 90038 0004 | RO84 2 A P     | 2 pipe clamps 2", stainless steel, with support       |
| 26000 0004 | W 26 P         | 2 wall mounting angles, hot galvanized steel          |
| 26000 0002 | W 26/30 P      | 2 wall mounting angles 30°, hot galvanized steel      |
| 26000 0003 | W 26/45 P      | 2 wall mounting angles 45°, hot galvanized steel      |