LED damp-proof light fitting

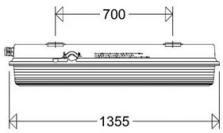
# 144 12L60

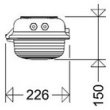
**[ Item no. : 14402 0004 ]**



## General product description

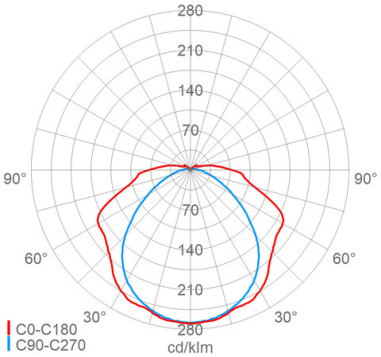
Extremely sturdy LED damp-proof light fitting with highly impact-resistant glass fibre reinforced polyester housing, clear PC diffuser with very high impact resistance, central locking system and silicone gasket. Powder-coated aluminium reflector with highly efficient Zhaga LED modules, frosted LED covers for glare limitation and ECG with overload and short circuit protection.




## General product benefits

- extremely sturdy high-quality light fitting with high mechanical and chemical resistance, for long-term application in rough industrial areas
- housing and PC diffuser with high impact resistance, robust internal central locking system
- highly efficient by using high-quality LED modules
- homogenous illumination due to frosted protective covers on the LED modules, comfortable perception of light and brilliant glare limitation
- colour rendering index CRI>80, according to the workplace guidelines suitable for nearly all plant locations
- best suitable for food industry and food processing industry, in accordance with IFS Food (International Featured Standard Food)
- sustainable, interchangeable components
- future proof by using standardised Zhaga LED modules




## Applications

- humid, wet and dusty indoor areas and sheltered outdoor areas in commerce, craft, trade and industry, areas with high mechanical strains, exposed conditions with high wind loads as well as areas, where any external clips are not wanted or could create problems

# 144 12L60

## [ Item no. : 14402 0004 ]

### Technical data

**General**

| | |
|---|---|
| EAN/GTIN: | 4041254293745 |

**Key technical data**

| | |
|---|---|
| Light source: | LED |
| LED module standard: | Zhaga |
| Exchangeability: | light source and control gear replaceable by qualified person |
| Connected load: | 44 W |
| Luminaire luminous flux: | 6590 lm |
| Luminous efficacy: | 150 lm/W |
| Colour temperature: | 4000 K |
| Colour rendering (CRI): | ≥ 80 |
| Light colour: | 840 |
| Admissible ambient temperature $T_a$: | -20 °C to +40 °C |
| Control gear: | 1 x ECG, Overload protection, Short circuit protection |
| Energy efficiency class: | B |
| I LED max: | 300 mA |
| BEG-eligible (Germany): | Yes |

**Lighting technology**

| | |
|---|---|
| Optical system: | Diffuser |
| Optical system material: | PMMA |
| Light distribution: | symmetrical wide beam |
| Beam angle: | 120 ° |
| Photobiological safety: | RG1 |

**Service life**

| | |
|---|---|
| Service life LED: | L70>100000 h (@ Ta max), L80>70000 h (@ Ta max), L90>50000 h (@ Ta 25° C) |

**Electrical connection**

| | |
|---|---|
| Rated voltage: | 220 - 240 V, 50/60 Hz |
| Terminal clamp: | Cage clamp, 5-polig, 0,75 - 2,5 mm² |
| Max. no. with circuit breaker B16: | 26 |
| CB B10/B13/B20: | 17/22/33 |
| CB C10/C13/C16/C20: | 27/35/44/54 |
| Cable entries: | M25 (3x), cable gland (2x), screw plug (2x), Plastic, 9 - 17 mm |
| In-out wiring (RR): | Yes |

**Features/Certificates**

| | |
|---|---|
| Protection class: | I |
| IP rating: | IP66 |
| IK rating: | IK10 |

**Features/Certificates**

| | |
|---|---|
| Limited surface temperature D: | Yes |
| Approval marks: | CE |

**Mounting**

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

**Housing**

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

**Cover**

| | |
|---|---|
| Cover type / material: | Diffuser (PC) |
| Cover characteristic: | clear with inner-prisms |
| Closure: | Central locking (hex socket 13mm) |

**Other features**

| | |
|---|---|
| International Food Standard (IFS): | Yes |

**Dimension/Weight**

| | |
|---|---|
| Length: | 1355.00 mm |
| Width / Diameter: | 226.00 mm |
| Height: | 150.00 mm |
| Net weight: | 6.60 kg |

# 144 12L60

**[ Item no. : 14402 0004 ]**

**Optional accessories / spare parts**

| Item no. | Item name | Item description |
|---|---|---|
| 84001 9004 | ABD 8404 SIL | |
| 25600 9000 | 2560 | cable gland M25 |
| 90118 9000 | 2538 | screw plug M25 for Ex-Zone 1/21 |
| 90259 9003 | DAE20/25 | breather M20 with extension M25 |
| 90001 0002 | H8V P | 2 suspension eyes with bolt M8, stainless steel |
| 90000 0002 | DS 15A P | ceiling rail (1 pair) galvanised steel with 2 M8 screws |
| 90032 0002 | DS 15AV P | ceiling rail (1 pair) stainless steel 1.4571 with 2 M8 screws |
| 90037 0004 | RO84 112 A P | Pipe clamp (1 pair) stainless steel material 1.4571 1 1/2" with support and 4 M8 screws also for pole mounting |
| 90038 0004 | RO84 2 A P | Pipe clamp (1 pair) stainless steel material 1.4571 1 2" with support and 4 M8 screws also for pole mounting |
| 26000 0008 | WW 26 L P | wall mounting (1 pair) galvanised steel 55° with 2 M8 screws long version |
| 26000 0002 | WW 26/30 P | wall mounting (1 pair) galvanised steel 30° with 2 M8 screws |
| 26000 0003 | WW 26/45 P | wall mounting (1 pair) galvanised steel 45° with 2 M8 screws |