LED damp-proof light fitting

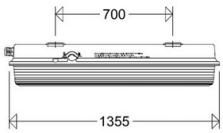
# 144 12L60 AUS

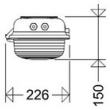
**[ Item no. : 14402 0014 ]**



## General product description

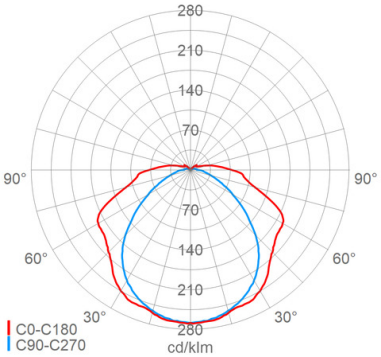
Extremely sturdy LED damp-proof light fitting for application in unprotected outdoor areas. Highly impact-resistant glass fibre reinforced polyester housing and clear PC diffuser with very high impact resistance. Central locking system, silicone gasket and pressure compensation system. Powder-coated 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 and unprotected outdoor areas
- housing and PC diffuser with high impact resistance, robust internal central locking system
- pressure compensation system to prevent condensation inside the light fitting
- 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

- protected and unprotected outdoor areas with high mechanical strains, e.g. areas with high wind loads, walkways, stairs, steel constructions, tube arms, on buildings, storage tanks etc.

# 144 12L60 AUS

## [ Item no. : 14402 0014 ]

### Technical data

**General**

| | |
|---|---|
| EAN/GTIN: | 4041254323268 |

**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), pressure compensation element (1x), screw plug (1x), cable gland (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 |
| Pressure compensation system: | Yes |

**Dimension/Weight**

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

# 144 12L60 AUS

**[ Item no. : 14402 0014 ]**

**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 |