LED damp-proof light fitting

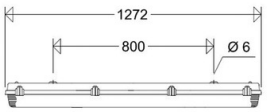
# 161 12L VARIO

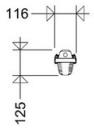
**[ Item no. : 16117 0399 ]**



## General product description

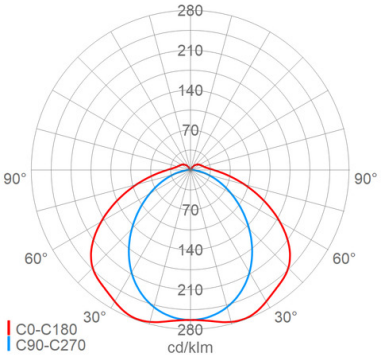
Sturdy LED damp-proof light fitting with variably adjustable luminous flux. Highly impact-resistant glass fibre reinforced polyester housing and frosted diffuser with high impact resistance. Captive clips, multi-part, incl. two safety clips, silicone gasket. Powder-coated aluminium reflector with highly efficient Zhaga LED modules, ECG with overload and short circuit protection and switch for toolless setting of the luminous flux.




## General product benefits

- universally usable due to variable setting of the luminous flux depending on the requirement (replaces fluorescent lamps from 1x36W up to 2x58W)
- high flexibility due to almost infinitely variable luminous flux setting
- quick and easy adjustment on-site
- adjustable at any time (e.g. change of use of the premises with new requirements in regard to the level of illumination
- sturdy, extremely reliable high-quality light fitting for application in rough industrial environments
- high impact resistant housing, chemical and UV resistant
- diffuser with high mechanical resistance
- highly efficient by using high-quality LED modules
- homogenous illumination due to frosted diffuser, comfortable perception of light and brilliant glare limitation
- maximum standardisation and highly economical storage (only one light fitting instead of multiple versions)
- sustainable, interchangeable components
- future proof by using standardised Zhaga LED modules




## Applications

- humid, wet and dusty indoor areas and sheltered outdoor areas in commerce, trade and industry etc.
- areas, where one standardised LED-light fitting with variable setting of luminous flux shall be used for different illumination tasks

# 161 12L VARIO

## [ Item no. : 16117 0399 ]

### Technical data

**General**

| | |
|---|---|
| EAN/GTIN: | 4041254261645 |

**Key technical data**

| | |
|---|---|
| Light source: | LED |
| LED module standard: | Zhaga |
| Exchangeability: | light source and control gear replaceable by qualified person |
| Connected load: | 15 W, 39 W |
| Luminaire luminous flux: | 2410 lm, 5920 lm |
| Luminous efficacy: | 161 lm/W, 152 lm/W |
| Colour temperature: | 4000 K |
| Colour rendering (CRI): | ≥ 80 |
| Light colour: | 840 |
| Admissible ambient temperature $T_a$: | -20 °C to +45 °C |
| Control gear: | 1 x ECG, Overload protection, Short circuit protection |
| Energy efficiency class: | B |
| I LED max: | 400 mA |
| BEG-eligible (Germany): | Yes |
| Special features: | variable and almost stepless adjustable luminous flux/connected load (Attention: only min, max values listed above). Max. ambient temperature depending on luminous flux setting |

**Lighting technology**

| | |
|---|---|
| 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, 3-polig, 0,75 - 2,5 mm² |
| Max. no. with circuit breaker B16: | 16 |
| CB B10/B13/B20: | 11/13/21 |
| CB C10/C13/C16/C20: | 16/21/27/33 |
| Cable entries: | M20 (2x), blanking plug (2x), Plastic, 8 - 15 mm |

**Features/Certificates**

| | |
|---|---|
| Protection class: | I |
| IP rating: | IP65 |
| IK rating: | IK05 |
| Limited surface temperature D: | Yes |
| Approval marks: | CE |

**Mounting**

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

**Housing**

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

**Cover**

| | |
|---|---|
| Cover type / material: | Diffuser (PMMA) |
| Cover characteristic: | satined |
| Closure: | Clips (Plastic) |

**Dimension/Weight**

| | |
|---|---|
| Length: | 1272.00 mm |
| Width / Diameter: | 116.00 mm |
| Height: | 125.00 mm |
| Net weight: | 2.70 kg |

# 161 12L VARIO

**[ Item no. : 16117 0399 ]**

**Optional accessories / spare parts**

| Item no. | Item name | Item description |
|---|---|---|
| 16111 9035 | ABD 161 018 F | cover PMMA frosted |
| 16111 9031 | ABD 161 036 F | cover PMMA frosted |
| 16111 9032 | ABD 161 058 F | cover PMMA frosted |
| 16111 9036 | ABD 161 018 F PC | cover PC frosted |
| 16111 9033 | ABD 161 036 F PC | cover PC frosted |
| 16111 9034 | ABD 161 058 F PC | cover PC frosted |
| 16111 9017 | ABD 161 018 LM | cover high chemical resistant clear IFS |
| 16111 9018 | ABD 161 036 LM | cover high chemical resistant clear IFS |
| 16111 9019 | ABD 161 058 LM | cover high chemical resistant clear IFS |
| 90004 0001 | SK 120 | wire guard powder coated for 161 06.. |
| 90004 0002 | SK 140 | wire guard powder coated for 161 12.. |
| 90004 0003 | SK 165 | wire guard powder coated for 161 15.. |
| 90053 9008 | KK/KKS FR VE10 | locking clips (10 pcs.) with 2 safety clips |
| 90055 9004 | KE/KES VE10 | locking clips (10 pcs.) with 2 safety clips |
| 90053 9004 | KKS FR P | safety clips (1 pair) |
| 90055 9005 | KES P | safety clips (1 pair) |
| 90063 9000 | 2511 | blanking plug M20 |
| 25610 9000 | 2561 | cable gland M20 |
| 25600 9000 | 2560 | cable gland M25 |
| 90259 9002 | DAE20 | breather M20 |
| 90259 9003 | DAE20/25 | breather M20 with extension M25 |
| 90093 0002 | 183 RO 112 A P | 2 pipe clamps 1 1/2", stainless steel, with support |
| 90094 0002 | 183 RO 2 A P | 2 pipe clamps 2", stainless steel, with support |
| 90045 9001 | HW 30 P | wall and ceiling mounting (1 pair) aluminium 30° |
| 90045 9002 | HW 45 P | wall and ceiling mounting (1 pair) aluminium 45° |
| 90045 9004 | HW 60 P | wall and ceiling mounting (1 pair) aluminium 60° |
| 90045 9003 | HW 90 P | wall and ceiling mounting (1 pair) aluminium 90° |
| 90049 0002 | 183 S | hook stainless steel for chain mounting |
| 90095 0001 | DS 183 | ceiling rail stainless steel with M5 screw |