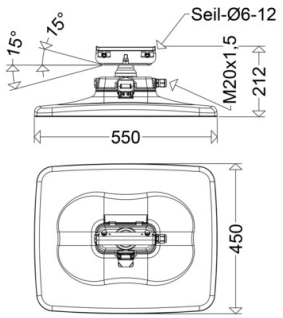
LED rope-supported light fitting

# PENDO
# 49 6402
**[ Item no. : 49000 0006 ]**



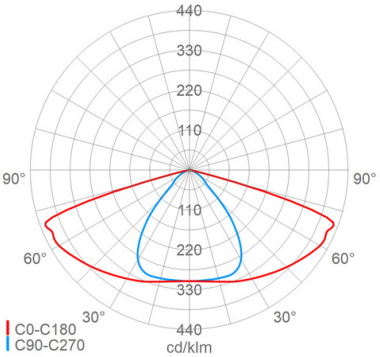
## General product description

LED rope-supported light fitting consisting of powder-coated die-cast aluminium housing, two-part. Upper part with bracket, adjustable inclination, cable entry and pressure compensation system. Lower part with LED modules, highly-efficient optics, frameless safety glass pane and ECG, hinged and detachable. Isolating plug connection and strain relief in junction box between upper and lower part, hinged and toolless accessible. Zhaga LED modules with highly efficient optics, direct beam, Multi-Layer Technology. ECG with high surge protection, overload and short circuit protection. Rope mounting with stainless steel bracket, rotatable (360°) and tiltable (15°) for ropes Ø 6-12mm.




## General product benefits

- long-lasting, corrosion-resistant die-cast aluminium housing with smooth surface without cooling fins
-
- Integrated pressure equalisation system for defined ‘breathing’ prevents condensation from forming inside the luminaire.
- toolless removable lower part of the housing allows comfortable, time- and cost-saving mounting in 2 steps: 1. Hinge upper part with bracket onto the rope and connect mains, 2. Hinge lower part, connect isolating plug, shut the housing and lock. READY
- universal usage on crosswise, lengthwise and inclined ropes or 3-point rope supports (see "Optional accessories")
- toolless disconnection (also electrical!) of the lower part from the upper part allows comfortable replacement of components on-site or in the workshop, no extensive dismounting or painful overhead working necessary
- homogenous illumination due to Multi-Layer Technology, i.e. every individual LED illuminates the whole surface, the light distribution curves of the LED are overlapping
- no light emission into the upper half space, ULOR=0
- versions dimmable to 10% and with color temperature up to 3,000 K comply with Dark Sky requirements
- interchangeable components
- future proof by using standardised Zhaga LED modules




## Applications

- collecting, main, and through roads with rope mounting

LED rope-supported light fitting

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# 49 6402
## [ Item no. : 49000 0006 ]

### Technical data

**General**

| | |
|---|---|
| EAN/GTIN: | 4041254261416 |

**Key technical data**

| | |
|---|---|
| Light source: | LED |
| LED module standard: | Zhaga |
| Exchangeability: | light source and control gear replaceable by qualified person |
| Connected load: | 99 W |
| Luminaire luminous flux: | 17520 lm |
| Luminous efficacy: | 177 lm/W |
| Colour temperature: | 4000 K |
| Colour rendering (CRI): | ≥ 70 |
| Light colour: | 740 |
| Admissible ambient temperature $T_a$: | -40 °C to +40 °C |
| Control gear: | 1 x ECG, Overload protection, Short circuit protection |
| Energy efficiency class: | B |
| Overvoltage protection: | 10 kV |
| I LED max: | 500 mA |

**Lighting technology**

| | |
|---|---|
| Optical system: | Lens optics |
| Optical system material: | PMMA |
| Light distribution: | symmetrical wide beam |
| Photobiological safety: | RG1 |

**Service life**

| | |
|---|---|
| Service life LED: | L95>100000 h (@ Ta max) |

**Electrical connection**

| | |
|---|---|
| Rated voltage: | 220 - 240 V, 50/60 Hz |
| Terminal clamp: | Plug, Screw terminal, 3-polig, 0,75 - 2,5 mm² |
| Max. no. with circuit breaker B16: | 23 |
| CB B10/B13/B20: | 15/19/29 |
| CB C10/C13/C16/C20: | 23/31/39/47 |
| Cable entries: | M20 (1x), cable gland (1x), Plastic, 6 - 13 mm |

**Features/Certificates**

| | |
|---|---|
| Protection class: | II |
| IP rating: | IP66 |
| IK rating: | IK10 |
| Approval marks: | CE |

**Mounting**

| | |
|---|---|
| Mounting method (accessories possibly needed): | Rope |
| Operating position: | downwards radiation |
| Swivel range: | -15 - 15 ° |
| Rope diameter: | 6 - 12 mm |

**Mounting**

| | |
|---|---|
| Wind-exposed surface: | 0.05 m² |

**Housing**

| | |
|---|---|
| Housing material: | Die-cast aluminium |
| Varnished: | Yes |
| Colour: | grey, DB 702 |

**Cover**

| | |
|---|---|
| Cover type / material: | Pane (Safety glass) |
| Cover characteristic: | clear |
| Closure: | screwed (Stainless steel V4A) |

**Other features**

| | |
|---|---|
| Pressure compensation system: | Yes |

**Product life cycle**

| | |
|---|---|
| Dismountable at end of life: | Yes |
| recyclable: | 80 % |
| Construction modular: | Yes |
| Spareparts availability > 10 years: | Yes |
| luminaire is upgradeable: | Yes |
| Guarantee 5 years: | Yes |
| Packaging made of 95% recyclet paper: | Yes |

**Dimension/Weight**

| | |
|---|---|
| Length: | 550.00 mm |
| Width / Diameter: | 450.00 mm |
| Height: | 212.00 mm |
| Net weight: | 11.80 kg |

# PENDO
# 49 6402
**[ Item no. : 49000 0006 ]**

**Optional accessories / spare parts**

| Item no. | Item name | Item description |
|---|---|---|
| 49001 9001 | ABD 49 ESGW | safety glass pane clear |