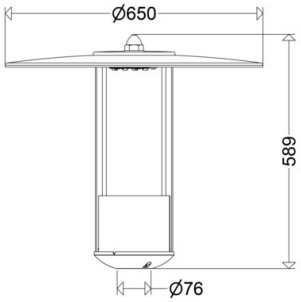
LED pole-top light fitting

# PLANEO
# 557 L50R G2 VARIO 730
**[ Item no. : 55702 0008 ]**



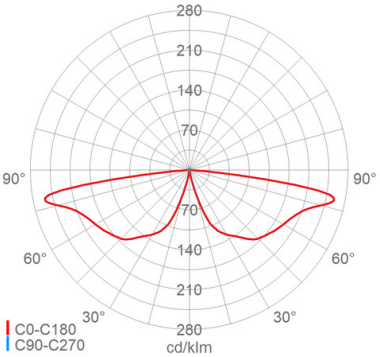



### General product description

LED pole-top light fitting PLANEO with variably adjustable luminous flux, consisting of powder-coated aluminium pole mount and roof as well as clear cylindrical PMMA cover. LED module and ECG unit wired ready for connection, disconnect plug connection to mains terminal and strain relief for connection cable. Zhaga LED modules with highly efficient optics and frosted cover, direct beam, Multi-Layer Technology. ECG with high surge protection, overload and short circuit protection. Mounting on straight poles Ø 76mm (see "Optional accessories" for poles Ø 60mm).

### General product benefits

- reduction of type diversity due to variably adjustable luminous flux
- simple, fast and toolless setting of the luminous flux on-site by means of integrated DIP switch, adjustable at any time
- highly economical stocking
- optimal light distribution due to highly efficient lens optics with direct beam
- uniform illumination due to Multi-Layer-Technology, i.e. every individual LED illuminates the whole surface, the light distribution curves of the LED are overlapping
- quick installation, maintenance and conversion thanks to tool-free replacement of the electrical components (LED module and ECG unit)
- BlackEdition, ULOR=0% (Modifications with accessories influence the light distribution)
- versions dimmable to 10% with luminous fluxes up to 2000 lm and with color temperature up to 3,000 K comply with Dark Sky requirements
- components tool-free interchangeable
- future proof by using standardised Zhaga LED modules




### Applications

- promenades, public parks, pedestrian areas, public places etc.

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### Technical data

**General**

| | |
|---|---|
| EAN/GTIN: | 4041254404288 |

**Key technical data**

| | |
|---|---|
| Light source: | LED |
| LED module standard: | Zhaga |
| Exchangeability: | light source and control gear replaceable by qualified person |
| Connected load: | 9 W, 35 W |
| Luminaire luminous flux: | 1250 lm, 5020 lm |
| Luminous efficacy: | 139 lm/W, 143 lm/W |
| Colour temperature: | 3000 K |
| Colour rendering (CRI): | ≥ 70 |
| Light colour: | 730 |
| Admissible ambient temperature $T_a$: | -40 °C to +35 °C |
| Control gear: | 1 x ECG (NFC-enabled), Overload protection, Short circuit protection |
| Energy efficiency class: | C |
| Overvoltage protection: | 10 kV |
| I LED max: | 700 mA |
| Special features: | variable and almost stepless adjustable luminous flux (Attention: only min, max values listed above) |

**Lighting technology**

| | |
|---|---|
| Optical system: | Lens optics |
| Optical system material: | PMMA |
| Light distribution: | rotationally symmetrical beam |
| Photobiological safety: | RG1 |
| Light emission: | ULOR=0% |

**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: | 28 |
| CB B10/B13/B20: | 18/23/36 |
| CB C10/C13/C16/C20: | 29/37/47/58 |

**Features/Certificates**

| | |
|---|---|
| Protection class: | II |
| IP rating: | IP54 |
| IK rating: | IK06 |
| Approval marks: | CE |

**Mounting**

| | |
|---|---|
| Mounting method (accessories possibly needed): | Pole-top mounting |
| Operating position: | vertical |
| Pole-top mounting: | Ø 76mm |
| Wind-exposed surface: | 0.13 m² |

**Housing**

| | |
|---|---|
| Housing material: | Aluminium |
| Varnished: | Yes |
| Colour: | grey, DB 702 |

**Cover**

| | |
|---|---|
| Cover type / material: | Cylinder (PMMA) |
| Cover characteristic: | clear |
| Protective cover: | Roof (aluminium) |

**Other features**

| | |
|---|---|
| Pressure compensation system: | Yes |
| Special features: | ULOR=0% |

**Dimension/Weight**

| | |
|---|---|
| Width / Diameter: | 650.00 mm |
| Height: | 589.00 mm |
| Net weight: | 6.00 kg |

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**Optional accessories / spare parts**

| Item no. | Item name | Item description |
|---|---|---|
| 10051 9000 | ABD 541/55. G2 PMMA | spare cover PMMA clear |
| 10041 9001 | ABDP 54./55. C PMMA | cover for glare limitation |
| 90113 0025 | HA 08/L25 WH SCR | Shielding on the house side, plastic (PC), white with screw fastening, for item name 08... and L25... |
| 90113 0032 | HA 08/L25 WH BC | Shielding on the house side, plastic (PC), with mounting clip, for item name 08... and L25... |
| 90113 0026 | HA 16/L50 WH SCR | Shielding on the house side, plastic (PC), white with screw fastening, for item name 16... and L50... |
| 90113 0033 | HA 16/L50 WH BC | Shielding on the house side, plastic (PC), with mounting clip, for item name 16... and L50... |
| 90549 0001 | ESSB HSM | Inrush current limiter for top-hat rail mounting |
| 90116 9004 | RS 54./55. G2 | ring mirror aluminium |
| 90126 0001 | RZ 1 BK | reducer ø76 -> 60mm |
| 90044 0001 | RZ 1 GY | reducer ø76 -> 60mm |
| 62599 0001 | MAU 625/1 | pole-top bracket for 1 light fitting ø=60mm |
| 62599 0002 | MAU 625/2 | pole-top bracket for 2 light fittings ø=60mm |
| 62599 0003 | MAU 625/3 | pole-top bracket for 3 light fittings ø=60mm |
| 62599 0004 | MAU 625/4 | pole-top bracket for 4 light fittings ø=60mm |
| 99100 0040 | AKB 4,0m H07RN-F 3G1,5 | Connection cable 4,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire |
| 99100 0041 | AKB 4,5m H07RN-F 3G1,5 | Connection cable 4,5 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire |
| 99100 0042 | AKB 5,0m H07RN-F 3G1,5 | Connection cable 5,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire |
| 99100 0044 | AKB 6,0m H07RN-F 3G1,5 | Connection cable 6,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire |
| 99100 0046 | AKB 7,0m H07RN-F 3G1,5 | Connection cable 7,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire |
| 99100 0048 | AKB 8,0m H07RN-F 3G1,5 | Connection cable 8,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire |
| 99100 0050 | AKB 9,0m H07RN-F 3G1,5 | Connection cable 9,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire |
| 99100 0052 | AKB 10,0m H07RN-F 3G1,5 | Connection cable 10,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire |
| | | Connection cable 12,0 m H07RN-F 3x1,5mm², connected to the above |

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| | | |
|---|---|---|
| 99100 0056 | AKB 12,0m H07RN-F 3G1,5 | mentioned luminaire |
| 99100 0074 | AKB 5,0m H07RN-F 4G1,5 | Connection cable 5,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire |
| 99100 0076 | AKB 6,0m H07RN-F 4G1,5 | Connection cable 6,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire |
| 99100 0078 | AKB 7,0m H07RN-F 4G1,5 | Connection cable 7,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire |
| 99100 0080 | AKB 8,0m H07RN-F 4G1,5 | Connection cable 8,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire |
| 99100 0082 | AKB 9,0m H07RN-F 4G1,5 | Connection cable 9,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire |
| 99100 0084 | AKB 10,0m H07RN-F 4G1,5 | Connection cable 10,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire |
| 99100 0088 | AKB 12,0m H07RN-F 4G1,5 | Connection cable 12,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire |