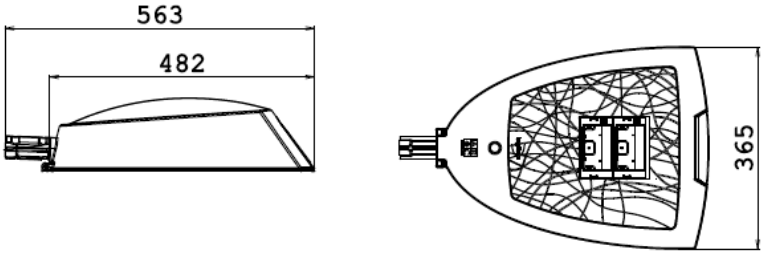
Product Sheet




# LOGIKA 1 TRIO

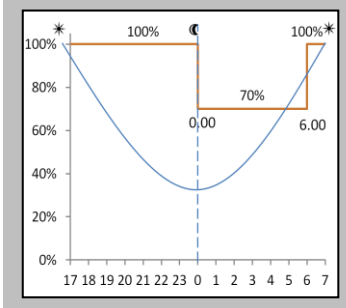
| MAIN CHARACTERISTICS | |
|---|---|
| **Applications** | Street and urban lighting. |
| **Optic** | STE-M/S: Asymmetrical optic for suburban street lighting.<br>STU-M/S: Asymmetrical optic for street, urban and cycle-path lighting.<br>STW: Asymmetrical optic for wide urban and suburban road lighting, specific for wet asphalts.<br>S05: Asymmetrical optic for street, urban and green areas lighting.<br>Colour temperature: 4000K (3000K optional) \| CRI: ≥ 70<br>Photobiological safety class: EXEMPT GROUP<br>LED source efficiency: 168 lm/W @ 525mA, Tj=85°C |
| **Insulation class** | II, I |
| **Protection degree** | IP66 \| IK08 total |
| **Tilt Angle** | 0° |
| **Mounting** | On bracket MT, AD/L1, TP (Post-top Ø60mm) |
| **Gear tray** | Removable plate. |
| **LED Modules** | Removable / Replaceable |
| **Dimensions and weight** | *See the drawing* - 7.5 kg |
| **Exposed surface** | Side: 0.06m$^2$ – Top: 0.14m$^2$ |
| **Operating temperature** | -40°C / +35°C |
| **Storage temperature** | -40°C / +80°C |
| **Main reference standards** | EN 60598-1, EN 60598-2-3, EN 62471,<br>EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3 |

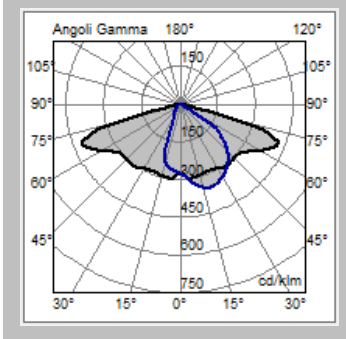
IK08 IP66 EXEMPT GROUP HIGH

| ELECTRICAL CHARACTERISTICS | |
|---|---|
| **Rated voltage** | 220÷240V 50/60Hz |
| **Power factor** | >0,9 (at full load) |
| **On-load switch** | Included, with integrated cable clamp. |
| **Mains connection** | For cables max section 4mm$^2$ |
| **Surge protection** | Up to 10kV \| With SPD (optional) 10kV / 10kV CM/DM |
| **SPD (optional)** | 10kV-10kA, type II, with LED signal and thermo fuse to disconnect load at the end of life. |
| **Control system (options)** | F: Fixed power not dimmerable.<br>DA: Automatic dimming (virtual midnight) with default profile.<br>DAC: Custom DA profile.<br>FLC: Constant light flux.<br>DALI: Digital dimming interface DALI. |
| **Optical unit lifetime (Tq=25°C, 700mA)** | >100.000hr L90B10<br>>100.000hr L90, TM-21 |

| MATERIALS | |
|---|---|
| **Fixing** | Die-cast aluminum UNI EN1706 powder painted. |
| **Lower frame and canopy** | |
| **Heat-sink** | Extruded aluminum. |
| **Closure hook** | Extruded aluminium with stainless steel spring. |
| **Optic** | 99.85% aluminum with a surface finish in 99.95% with vacuum-sealed deposition. Aluminum grade class A+ (DIN EN 16268) |
| **Screen** | Flat tempered glass, 4mm thickness high transparency. |
| **Cable gland** | Plastic M20x1.5 - IP68 |
| **Gasket** | EPDM |
| **Colour** | Graphite - Cod. 01 |

**DA Profile**




STU-M Optic

*All the published photometrical data has been obtained according to EN 13032-1*

| LUMINAIRE | OPTIC | RATED LUMINAIRE FLUX* (Tq=25°C, 4000K, lm) | RATED LUMINAIRE POWER* (Tq=25°C, Vin=230Vac, F/DA/DAC, W) | LUMINAIRE EFFICACY (Tq=25°C, lm/W) | RATED LED FLUX* (Tj=85°C, 4000K, lm) | RATED LED POWER* (Tj=85°C, W) |
|---|---|---|---|---|---|---|
| LOGIKA 1 0F2H1 4.5-1M | S05 STU-M STU-S | 1840 | 16 | 115 | 2184 | 13 |
| LOGIKA 1 0F2H1 4.5-2M | | 3620 | 30.5 | 118 | 4368 | 26 |
| LOGIKA 1 0F2H1 4.7-1M | S05 STU-M STU-S | 2370 | 21.5 | 110 | 2765 | 18 |
| LOGIKA 1 0F2H1 4.7-2M | | 4630 | 40 | 115 | 5530 | 36 |
| LOGIKA 1 0F3 4.5-1M | STE-M STE-S STW | 2560 | 21.5 | 119 | 2950 | 17 |
| LOGIKA 1 0F3 4.5-2M | | 5060 | 39 | 129 | 5900 | 34 |
| LOGIKA 1 0F3 4.7-1M | STE-M STE-S STW | 3200 | 28 | 114 | 3735 | 24 |
| LOGIKA 1 0F3 4.7-2M | | 6400 | 52 | 123 | 7470 | 48 |

**RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory.*
**RATED LED FLUX / RATED LED POWER: Rated data extrapolated from LED manufacturer datasheet.*
*Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±5%.*
*The characteristics of the product listed above are subjected to change without notice.*

| LUMINAIRE | OPTIC | RATED LUMINAIRE FLUX* (Tq=25°C, 3000K, lm) | RATED LUMINAIRE POWER* (Tq=25°C, Vin=230Vac, F/DA/DAC, W) | LUMINAIRE EFFICACY (Tq=25°C, lm/W) | RATED LED FLUX* (Tj=85°C, 3000K, lm) | RATED LED POWER* (Tj=85°C, W) |
|---|---|---|---|---|---|---|
| LOGIKA 1 0F2H1 3.5-1M | S05 STU-M STU-S | 1720 | 16 | 107 | 1990 | 13 |
| LOGIKA 1 0F2H1 3.5-2M | | 3360 | 30.5 | 110 | 3980 | 26 |
| LOGIKA 1 0F2H1 3.7-1M | S05 STU-M STU-S | 2210 | 21.5 | 102 | 2520 | 18 |
| LOGIKA 1 0F2H1 3.7-2M | | 1720 | 16 | 107 | 1990 | 13 |
| LOGIKA 1 0F3 3.5-1M | STE-M STE-S STW | 2380 | 21.5 | 110 | 2701 | 17 |
| LOGIKA 1 0F3 3.5-2M | | 4700 | 39 | 120 | 5402 | 34 |
| LOGIKA 1 0F3 3.7-1M | STE-M STE-S STW | 2980 | 28 | 106 | 3420 | 24 |
| LOGIKA 1 0F3 3.7-2M | | 5950 | 52 | 114 | 6840 | 48 |

**RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory.*
**RATED LED FLUX / RATED LED POWER: Rated data extrapolated from LED manufacturer datasheet.*
*Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±5%.*
*The characteristics of the product listed above are subjected to change without notice.*