

I-TRON ZERO B 2W8

MAIN CHARACTERISTICS

| | |
|---------------------------------|---|
| Applications | Street lighting |
| Optic | STU-S: Asymmetrical optic for street lighting. Narrow beam-angle . STU-M: Asymmetrical optic for street lighting. Mid beam-angle . STU-W: Asymmetrical optic for street lighting. Wide beam-angle . Colour temperature: 4000K, (optional 3000K) CRI ≥ 70 Photobiological safety class: EXEMPT GROUP LED source efficiency: 163 lm/W @ Tj=85°C, led module current 400mA, 4000K |
| Insulation class | EU: II, I - US: 1 |
| Protection degree | IP66 IK09 total |
| LED Modules | Removable / Replaceable |
| Tilt Angle | Post-top: 0°, +5°, +10°, +15°, +20° Bracket: +5°, 0°, -5°, -10°, -15°, -20° |
| Dimensions | See the drawing |
| Weight | 4.5 kg |
| Exposed surface | Side: 0.03m ² – Top: 0.11m ² |
| Mounting | Bracket or Post-top Ø60mm Ø32 / Ø42 / Ø48 / Ø76 mm (optional) |
| Gear tray | Removable. Gear tray integrated on luminaire body, separated from optic unit. Removable plate optional. |
| Operating temp. | -40°C / +50°C |
| Storage temperature | -40°C / +80°C |
| Main reference standards | EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN-61000-3-3 |
| Marks | |

ELECTRICAL CHARACTERISTICS

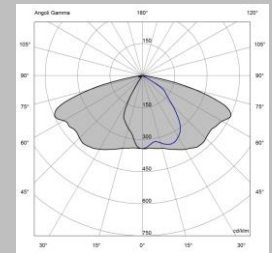
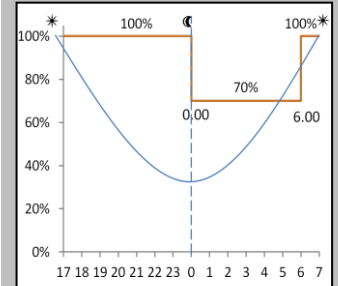
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|--------------------------------------|--|
| Rated voltage | 220÷240V 50/60Hz |
| LED current | 400mA, 500mA |
| Power factor | >0,95 (at full load - F, DA, DAC) |
| Mains connection | For cables max section 4mm ² |
| Surge protection | Up to 10kV With SPD 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 dimmable. DA: Automatic dimming (virtual midnight) with default profile. DAC: Custom DA profile. FLC: Constant light flux. WL: Wireless single point communication system. DALI: Digital dimming interface DALI. NEMA: Socket 7 pin (ANSI C136.41). |
| LED source lifetime (Tq=25°C) | >100.000hr L80B10 |

MATERIALS

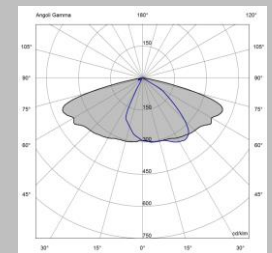
| | |
|---------------------|---|
| Fixing | Die-cast aluminum UNI EN1706 powder painted. |
| Lower frame | |
| Upper canopy | |
| Closure hook | Stainless steel captive screws |
| Optic | 99.85% aluminum with a surface finish in 99.95% with vacuum-sealed deposition. (Aluminum grade class A+ DIN EN 16268) |
| Screen | Flat tempered glass, 4mm thickness high transparency. |
| Cable gland | Plastic cable gland M20x1.5 IP68 |
| Gasket | Polyurethane |
| Colour | RAL 7016 satinized matt cod. AEC 3-O |

I-TRON ZERO

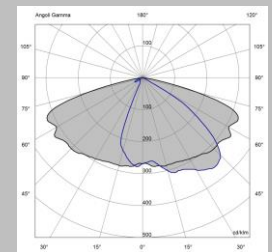
DA Profile



STU-S Optic



STU-M Optic



STU-W Optic

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





| LUMINAIRE | OPTIC | LED CURRENT (mA) | 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) |
|---------------------------|-------------------------|------------------|--|---|------------------------------------|--------------------------------------|-------------------------------|
| I-TRON ZERO B 2W8 4.40-1M | STU-M STU-S STU-W | 400 | 2840 | 22 | 129 | 3099 | 19 |
| I-TRON ZERO B 2W8 4.40-2M | STU-M STU-S STU-W | 400 | 5660 | 41.5 | 136 | 6198 | 38 |
| I-TRON ZERO B 2W8 4.40-3M | STU-M STU-S STU-W | 400 | 8460 | 62 | 136 | 9297 | 57 |
| I-TRON ZERO B 2W8 4.50-1M | STU-M STU-S STU-W | 500 | 3490 | 28 | 124 | 3803 | 24 |
| I-TRON ZERO B 2W8 4.50-2M | STU-M STU-S STU-W | 500 | 6880 | 53 | 129 | 7606 | 48 |
| I-TRON ZERO B 2W8 4.50-3M | STU-M STU-S STU-W | 500 | 10200 | 78 | 130 | 11409 | 72 |

*RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory.

*RATED LED FLUX / RATED LED POWER: Rated data extrapolated from LED manufacturer datasheet.

The characteristics of the product listed above are subjected to change without notice.

Values indicated in this technical sheet are to be considered rated values subject to a tolerance of +/-5%.



| LUMINAIRE | OPTIC | LED CURRENT (mA) | 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) |
|---------------------------|-------------------------|------------------|--|---|------------------------------------|--------------------------------------|-------------------------------|
| I-TRON ZERO B 2W8 3.40-1M | STU-M STU-S STU-W | 400 | 2640 | 22 | 120 | 2882 | 19 |
| I-TRON ZERO B 2W8 3.40-2M | STU-M STU-S STU-W | 400 | 5260 | 41.5 | 126 | 5764 | 38 |
| I-TRON ZERO B 2W8 3.40-3M | STU-M STU-S STU-W | 400 | 7870 | 62 | 126 | 8646 | 57 |
| I-TRON ZERO B 2W8 3.50-1M | STU-M STU-S STU-W | 500 | 3250 | 28 | 116 | 3538 | 24 |
| I-TRON ZERO B 2W8 3.50-2M | STU-M STU-S STU-W | 500 | 6400 | 53 | 120 | 7076 | 48 |
| I-TRON ZERO B 2W8 3.50-3M | STU-M STU-S STU-W | 500 | 9490 | 78 | 121 | 10614 | 72 |

*RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory.

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