

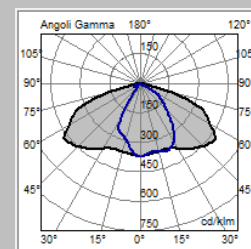
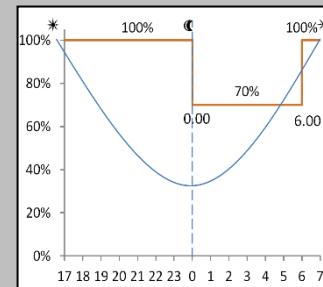
**I-TRON ZERO B**

**MAIN CHARACTERISTICS**

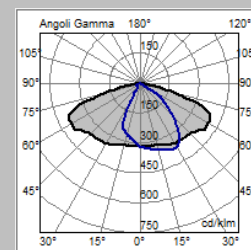
<b>Applications</b>	Street lighting
<b>Optic</b>	STU-S: Asymmetrical optic for street, urban and cycle-path lighting (narrow emission). STU-M: Asymmetrical optic for street, urban and cycle-path lighting (medium emission). STU-W: Asymmetrical optic for wide urban and suburban road lighting. S03: Asymmetrical optic for wide urban and suburban road lighting. Colour temperature: 4000K, (optional 3000K)   CRI ≥ 70 LOR= 100%, DLOR= 100%, ULOR= 0% Photobiological safety class: EXEMPT GROUP LED source efficiency: 163 lm/W @ Tj=85°C, led module current 400mA, 4000K
<b>Insulation class</b>	EU: II, I - US: 1
<b>Protection degree</b>	IP66   IK09 total
<b>LED Modules</b>	Removable / Replaceable
<b>Tilt Angle</b>	Post-top: 0°, +5°, +10°, +15°, +20°   Bracket: +5°, 0°, -5°, -10°, -15°, -20°
<b>Dimensions</b>	See the drawing
<b>Weight</b>	4.5 kg
<b>Exposed surface</b>	Side: 0.03m <sup>2</sup> – Top: 0.11m <sup>2</sup>
<b>Mounting</b>	Bracket or Post-top Ø60mm Ø32 / Ø42 / Ø48 / Ø76 mm (optional)
<b>Gear tray</b>	Removable. Gear tray integrated on luminaire body, separated from optic unit. Removable plate optional.
<b>Operating temp.</b>	-40°C / +50°C
<b>Storage temperature</b>	-40°C / +80°C
<b>Main reference standards</b>	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN-61000-3-3
<b>Marks</b>	
<b>ELECTRICAL CHARACTERISTICS</b>	
<b>Rated voltage</b>	220÷240V 50/60Hz
<b>LED current</b>	400mA, 500mA
<b>Power factor</b>	>0,95 (at full load - F, DA, DAC)
<b>Mains connection</b>	For cables max section 4mm <sup>2</sup>
<b>Surge protection</b>	Up to 10kV With SPD 10kV / 10kV CM / DM
<b>SPD (optional)</b>	10kV-10kA, type II, with LED signal and thermo fuse to disconnect load at the end of life.
<b>Control system (options)</b>	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). ZHAGA: Socket 4 pin (book 18).
<b>LED source lifetime (Tq=25°C)</b>	>100.000hr L80B10
<b>MATERIALS</b>	
<b>Fixing</b>	
<b>Lower frame</b>	Die-cast aluminum UNI EN1706 powder painted.
<b>Upper canopy</b>	
<b>Closure hook</b>	Stainless steel captive screws
<b>Optic</b>	99.85% aluminum with a surface finish in 99.95% with vacuum-sealed deposition. (Aluminum grade class A+ DIN EN 16268)
<b>Screen</b>	Flat tempered glass, 4mm thickness high transparency.
<b>Cable gland</b>	Plastic cable gland M20x1.5 IP68
<b>Gasket</b>	Polyurethane
<b>Colour</b>	RAL 7016 satinized matt cod. AEC 3-0

**I-TRON ZERO**

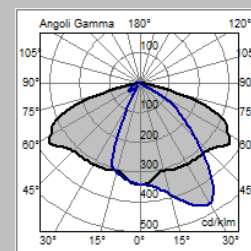
**DA Profil**



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 S03	400	2840	22	129	3099	19
I-TRON ZERO B 2W8 4.40-2M	STU-M STU-S STU-W S03	400	5660	41.5	136	6198	38
I-TRON ZERO B 2W8 4.40-3M	STU-M STU-S STU-W S03	400	8460	62	136	9297	57
I-TRON ZERO B 2W8 4.50-1M	STU-M STU-S STU-W S03	500	3490	28	124	3803	24
I-TRON ZERO B 2W8 4.50-2M	STU-M STU-S STU-W S03	500	6880	53	129	7606	48
I-TRON ZERO B 2W8 4.50-3M	STU-M STU-S STU-W S03	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 S03	400	2640	22	120	2882	19
I-TRON ZERO B 2W8 3.40-2M	STU-M STU-S STU-W S03	400	5260	41.5	126	5764	38
I-TRON ZERO B 2W8 3.40-3M	STU-M STU-S STU-W S03	400	7870	62	126	8646	57
I-TRON ZERO B 2W8 3.50-1M	STU-M STU-S STU-W S03	500	3250	28	116	3538	24
I-TRON ZERO B 2W8 3.50-2M	STU-M STU-S STU-W S03	500	6400	53	120	7076	48
I-TRON ZERO B 2W8 3.50-3M	STU-M STU-S STU-W S03	500	9490	78	121	10614	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.

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