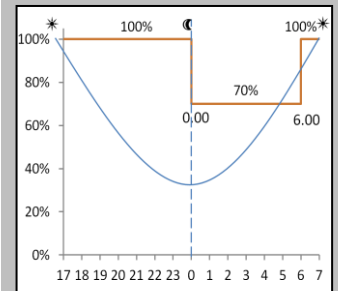
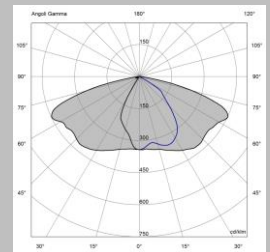


# I-TRON ZERO

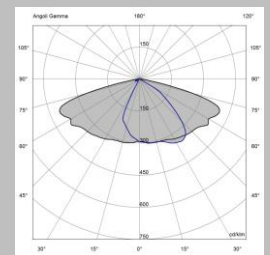
## DA Profile



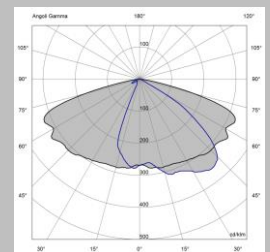
I-TRON ZERO	
MAIN CHARACTERISTICS	
<b>Applications</b>	Street lighting
<b>Optic</b>	STU-S: Asymmetrical optic for street lighting. Narrow emission. STU-M: Asymmetrical optic for street lighting. Mid emission. STU-W: Asymmetrical optic for street lighting. Wide emission. Colour temperature: 4000K (optional 3000K)   CRI ≥ 70 Photobiological safety class: EXEMPT GROUP LED source efficiency: 160 lm/W @ Tj=85°C, led module current 525mA, 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>	
ELECTRICAL CHARACTERISTICS	
<b>Rated voltage</b>	220÷240V 50/60Hz
<b>LED module current</b>	525mA, 700mA
<b>Power factor</b>	>0,95 (at full load - F, DA, DAC)
<b>On-load switch</b>	Included, with integrated cable clamp.
<b>Mains connection</b>	For cables max section 4mm <sup>2</sup>
<b>Surge protection</b>	SPD integrated 10kV-10kA, type II, with LED signal and thermo fuse to disconnect load at the end of life. Pulse withstand CL.I: 10 / 10 kV CM / DM Pulse withstand CL.II: 9 / 10 kV CM / DM
<b>Control system (options)</b>	F: Fixed power not dimmable. (Base version) 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).
<b>LED source lifetime (Tq=25°C)</b>	>100.000hr L90B10, led module current 700mA >100.000hr L90, TM21, led module current 700mA
MATERIALS	
<b>Fixing</b>	Die-cast aluminum UNI EN1706 powder painted.
<b>Lower frame</b>	
<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-O



STU-S Optic



STU-M Optic



STU-W Optic

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



**4000K**

LUMINAIRE	LED Current (mA)	OPTIC	LUMINAIRE FLUX <sup>1</sup> (Tq=25°C, 4000K, lm)	LUMINAIRE POWER <sup>1</sup> (Tq=25°C, Vin=230Vac, F / DA / DAC, W)	LUMINAIRE EFFICACY (Tq=25°C, lm/W)	RATED LED FLUX <sup>2</sup> (Tj=85°C, 4000K, lm)	RATED LED POWER <sup>2</sup> (Tj=85°C, W)
I-TRON ZERO 0C8 4.5-1M	525	STU-S	1690	14.5	116	1928	12
I-TRON ZERO 0C8 4.5-2M		STU-M	3340	28	119	3856	24
I-TRON ZERO 0C8 4.5-3M		STU-W	4980	41	121	5784	36
I-TRON ZERO 0C8 4.7-1M	700	STU-S	2150	19	113	2440	17
I-TRON ZERO 0C8 4.7-2M		STU-M	4260	37	115	4880	34
I-TRON ZERO 0C8 4.7-3M		STU-W	6360	57	111	7320	51

**3000K**

LUMINAIRE	LED Current (mA)	OPTIC	LUMINAIRE FLUX <sup>1</sup> (Tq=25°C, 3000K, lm)	LUMINAIRE POWER <sup>1</sup> (Tq=25°C, Vin=230Vac, F / DA / DAC, W)	LUMINAIRE EFFICACY (Tq=25°C, lm/W)	RATED LED FLUX <sup>2</sup> (Tj=85°C, 3000K, lm)	RATED LED POWER <sup>2</sup> (Tj=85°C, W)
I-TRON ZERO 0C8 3.5-1M	525	STU-S	1570	14.5	108	1793	12
I-TRON ZERO 0C8 3.5-2M		STU-M	3100	28	111	3586	24
I-TRON ZERO 0C8 3.5-3M		STU-W	4640	41	113	5379	36
I-TRON ZERO 0C8 3.7-1M	700	STU-S	2000	19	105	2269	17
I-TRON ZERO 0C8 3.7-2M		STU-M	3960	37	107	4538	34
I-TRON ZERO 0C8 3.7-3M		STU-W	5920	57	104	6808	51

The tables above describe the flux and output power of the available versions. These parameters are necessary in order to guarantee a correct comparison of the luminaire performance. In particular, the luminaire efficiency (expressed in lm/W) must be calculated as the ratio between the output luminous flux of the luminaire and the power absorbed by the input power supply unit. For the sake of completeness the tables also show the data of the nominal flux and power of the used LED.

Note: 1:Rated data obtained in laboratory | 2:Rated data extrapolated from LED manufacturer datasheet.

The characteristics of the product listed above are subjected to change without notice. They will have to be confirmed in case of order. Values indicated in this technical sheet are to be considered rated values subject to a tolerance of +/-5%.