

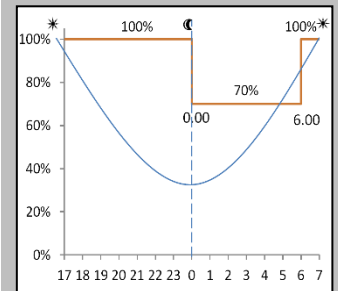
I-TRON 1 B

MAIN CHARACTERISTICS

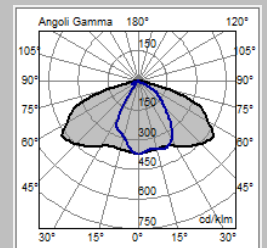
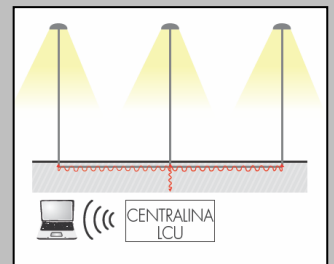
Applications	Street lighting
Optic	STU-S: Asymmetrical optic for street, urban and cycle-path lighting (narrow emission). STU-M: Asymmetrical optic for street, urban and cycle-path lighting (medium emission). STU-W: Asymmetrical optic for wide urban and suburban road lighting. S03: Asymmetrical optic 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: 160 lm/W @ Tj=85°C, led module current 525mA, 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	7 kg
Exposed surface	Side: 0.04m ² – Top: 0.16m 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	
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. PLM: Power Line single point communication system. WL: Wireless single point communication system. DALI: Digital dimming interface DALI. NEMA: Socket 7 pin (ANSI C136.41). ZHAGA: Socket 4 pin (ZHAGA book 18).
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, 5mm thickness high transparency.
Cable gland	Plastic cable gland M20x1.5 IP68
Gasket	Polyurethane
Colour	RAL 7016 satinized matt cod. AEC 3-O

I-TRON 1

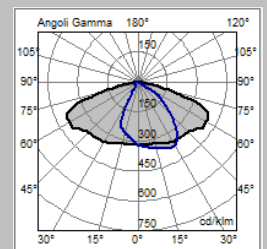
DA Profil



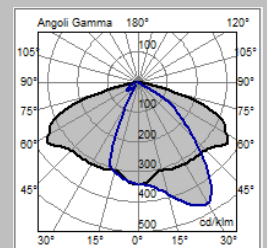
PLM



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 1 B 2W8 4.40-1M	STU-M STU-S STU-W S03	400	2840	22	129	3099	19
I-TRON 1 B 2W8 4.40-2M	STU-M STU-S STU-W S03	400	5660	41.5	136	6198	38
I-TRON 1 B 2W8 4.40-3M	STU-M STU-S STU-W S03	400	8460	62	136	9297	57
I-TRON 1 B 2W8 4.40-4M	STU-M STU-S STU-W S03	400	11210	81	138	12396	76
I-TRON 1 B 2W8 4.40-5M	STU-M STU-S STU-W S03	400	13960	100	139	15495	95
I-TRON 1 B 2W8 4.40-6M	STU-M STU-S STU-W S03	400	16490	119	138	18594	114
I-TRON 1 B 2W8 4.50-1M	STU-M STU-S STU-W S03	500	3490	28	124	3803	24
I-TRON 1 B 2W8 4.50-2M	STU-M STU-S STU-W S03	500	6880	53	129	7606	48



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 1 B 2W8 4.50-3M	STU-M STU-S STU-W S03	500	10200	78	130	11409	72
I-TRON 1 B 2W8 4.50-4M	STU-M STU-S STU-W S03	500	13510	104	129	15212	96
I-TRON 1 B 2W8 4.50-5M	STU-M STU-S STU-W S03	500	16610	128	129	19015	120
I-TRON 1 B 2W8 4.50-6M	STU-M STU-S STU-W S03	500	19590	152	128	22818	144

*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 1 B 2W8 3.40-1M	STU-M STU-S STU-W S03	400	2640	22	120	2882	19
I-TRON 1 B 2W8 3.40-2M	STU-M STU-S STU-W S03	400	5260	41.5	126	5764	38
I-TRON 1 B 2W8 3.40-3M	STU-M STU-S STU-W S03	400	7870	62	126	8646	57
I-TRON 1 B 2W8 3.40-4M	STU-M STU-S STU-W S03	400	10430	81	128	11528	76
I-TRON 1 B 2W8 3.40-5M	STU-M STU-S STU-W S03	400	12980	100	129	14410	95
I-TRON 1 B 2W8 3.40-6M	STU-M STU-S STU-W S03	400	15340	119	128	17292	114
I-TRON 1 B 2W8 3.50-1M	STU-M STU-S STU-W S03	500	3250	28	116	3538	24
I-TRON 1 B 2W8 3.50-2M	STU-M STU-S STU-W S03	500	6400	53	120	7076	48



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 1 B 2W8 3.50-3M	STU-M STU-S STU-W S03	500	9490	78	121	10614	72
I-TRON 1 B 2W8 3.50-4M	STU-M STU-S STU-W S03	500	12560	104	120	14152	96
I-TRON 1 B 2W8 3.50-5M	STU-M STU-S STU-W S03	500	15450	128	120	17690	120
I-TRON 1 B 2W8 3.50-6M	STU-M STU-S STU-W S03	500	18220	152	119	21228	144

*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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