

I-TRON
ZERO

I-TRON ZERO 2Z8 STU-M 4.40-2M CL.2 DA-SC

MAIN CHARACTERISTICS

Applications	Street lighting.
Optic	STU-M: Asymmetrical optic for street, urban and cycle-path lighting (medium emission). Colour temperature: 4000K CRI ≥ 70 LOR= 100%, DLOR= 100%, ULOR= 0% Photobiological safety class: EXEMPT GROUP LED source efficiency: 174 lm/W @ 400mA, Tj=85°C, 4000K
Insulation class	II
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	max. 4.5 kg
Exposed surface	Side: 0.03m ² – Top: 0.11m ²
Mounting	Bracket or Post-top Ø60mm
Gear tray	Removable. Gear tray integrated on luminaire body, separated from optic unit.
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

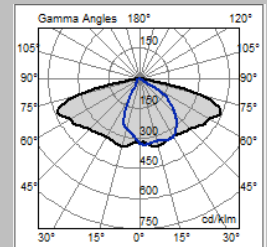


ELECTRICAL CHARACTERISTICS

Rated voltage	220÷240V 50/60Hz
Power factor	>0,95 (at full load)
Mains connection	For cables max section 4mm ²
Surge protection	SPD integrated 10kV-10kA, type 2+3, with LED signal and thermo fuse to disconnect load at the end of life. Pulse withstand: 10kV / 10kV CM / DM
Control system	DA: Automatic dimming (virtual midnight) with default profile.
Optical unit lifetime (Tq=25°C, 500mA)	>100.000hr L90B10 >100.000hr L90, TM21

MATERIALS

Fixing	
Lower frame	Die-cast aluminum UNI EN1706 powder painted.
Upper canopy	
Closure	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. 30



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)
I-TRON Zero 2Z8 STU-M 4.40-2M VEX	STU-M	5850	40.5	144	6351	36

*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%.

Power tolerance with ZHAGA version or power supply D4i/SR: ±10%.

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