

SOLED TRIO

MAIN CHARACTERISTICS

Applications	Street and urban lighting.
Optic	<p>STE-M/S: Asymmetrical optic for suburban street lighting. STU-M/S: Asymmetrical optic for street, urban and cycle-path lighting. STW: Asymmetrical optic for wide urban and suburban road lighting, specific for wet asphalts. S05: Asymmetrical optic for street, urban and green areas lighting. S: Symmetrical optic for urban lighting and green areas. Colour temperature: 4000K (3000K optional) CRI ≥ 70 Photobiological safety class: EXEMPT GROUP LED source efficiency: 168 lm/W @ 525mA, T_j=85°C, 4000K</p>
Insulation class	II, I
Protection degree	IP66 IK08 total
Tilt angle	0°
Mounting	Post-top Ø60mm
Gear tray	Removable
LED modules	Removable/Replaceable
Dimensions and weight	Ø561x478mm – 9 kg
Exposed surface	Side: 0.07m ² – Top: 0.25m ²
Operating temperature	-40°C / +35°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



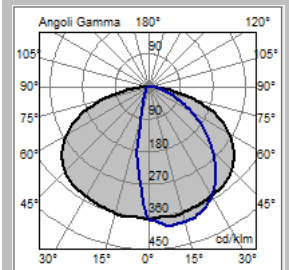
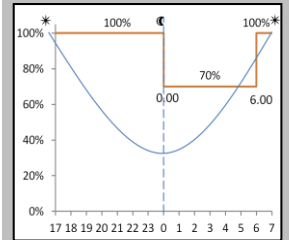
ELECTRICAL CHARACTERISTICS

Rated voltage	220=240V 50/60Hz
Rated voltage	>0,9 (at full load)
Connection	Connector for cables max.section 2,5mm ²
Surge protection	Up to 10kV With SPD (optional) 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)	<p>F: Fixed power not dimmerable. DA: Automatic dimming (virtual midnight) with default profile. DAC: Custom DA profile. FLC: Constant light flux. DALI: Digital dimming interface DALI.</p>
Optical unit lifetime (T_q=25°C, 700mA)	<p>>100.000hr L90B10 >100.000hr L90, TM-21</p>

MATERIALI

Fixing	Die-cast aluminium UNI EN 1706
Body	Aluminium
Heat sink	Extruded aluminium EN AW - UNI EN 755.
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
Gasket	Polyurethane
Colour	Graphite - Cod. 01

DA Profile



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)
SOLED 0F2H1 4.5-1M	STU-M STU-S	1650	16	103	2184	13
SOLED 0F2H1 4.5-2M		3250	30.5	106	4368	26
SOLED 0F2H1 4.7-1M	STU-M STU-S	2130	21.5	99	2765	18
SOLED 0F2H1 4.7-2M		4150	40	103	5530	36
SOLED 0F2H1 4.5-1M	S05	1600	16	100	2184	13
SOLED 0F2H1 4.5-2M		3140	30.5	102	4368	26
SOLED 0F2H1 4.7-1M	S05	2060	21.5	95	2765	18
SOLED 0F2H1 4.7-2M		4010	40	100	5530	36
SOLED 0F3 4.5-1M	STE-M STE-S STW	2300	21.5	106	2950	17
SOLED 0F3 4.5-2M		4540	39	116	5900	34
SOLED 0F3 4.7-1M	STE-M STE-S STW	2880	28	102	3735	24
SOLED 0F3 4.7-2M		5750	52	110	7470	48
SOLED 0F2H1 4.5-2M	S	2800	30.5	91	4368	26
SOLED 0F2H1 4.7-2M	S	3590	40	89	5530	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%.

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



LUMINAIRE	OPTIC	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)
SOLED 0F2H1 3.5-1M	STU-M STU-S	1540	16	96	1990	13
SOLED 0F2H1 3.5-2M		3020	30.5	99	3980	26
SOLED 0F2H1 3.7-1M	STU-M STU-S	1980	21.5	92	2520	18
SOLED 0F2H1 3.7-2M		3860	40	96	5040	36
SOLED 0F2H1 3.5-1M	S05	1490	16	93	1990	13
SOLED 0F2H1 3.5-2M		2920	30.5	95	3980	26
SOLED 0F2H1 3.7-1M	S05	1910	21.5	88	2520	18
SOLED 0F2H1 3.7-2M		3730	40	93	5040	36
SOLED 0F3 3.5-1M	STE-M STE-S STW	2140	21.5	99	2701	17
SOLED 0F3 3.5-2M		4220	39	108	5402	34
SOLED 0F3 3.7-1M	STE-M STE-S STW	2680	28	95	3420	24
SOLED 0F3 3.7-2M		5340	52	102	6840	48
SOLED 0F2H1 3.5-2M	S	2610	30.5	85	3980	26
SOLED 0F2H1 3.7-2M	S	3340	40	83	5040	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%.

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