



SI iBox Smart	
MAIN CHARACTERISTICS	
Applications	Street and urban lighting
Optic	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. SV/SV2: Asymmetrical optic for very narrow urban streets or highway entrance/exit turns. S05: Asymmetrical optic for street, urban and green areas lighting. S: Symmetrical optic for urban lighting and green areas. TS: Symmetrical optic for centre road lighting. Colour temperature: 4000K (3000K optional) CRI ≥ 70 Photobiological safety class: EXEMPT GROUP LED source efficiency: 168 lm/W @ 525mA, Tj=85°C, 4000K
Insulation class	II, I
Protection degree	Optical unit: IP66 Gear tray compartment: IP44 IK08
Dimensions	320x320x610mm
Weight	7.5 kg
Exposed surface	Side: 0.09m ² – Top: 0.10m ²
Installation	SI08/09: Installation on pole 1/2" GAS male. SI06/10: suspended installation for 1/2" GAS female. (on chain) SI07/11: suspended installation for 1/2" GAS female. (on tige)
Gear tray	Removable
Operating temp.	-40°C / +35°C
Storage temperature	-40°C / +80°C
Main reference	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	>0,9 (at full load)
Mains Connection	For cables max section 2,5mm ²
Surge protection	Up to 10kV With SPD (optional) 10kV / 10kV CM/DM
SPD (optional)	10kV-10kA, type 2+3, with LED signal and thermo fuse to disconnect load at the end of life.
Control system (options)	WL: Wireless single point communication system. DALI: Digital dimming interface DALI.
Optical unit lifetime (Ta=25°C, 700mA)	>100.000hr L90B10 >100.000hr L90, TM-21
MATERIALS	
Fixing	SI08/09: Steel powder painted. SI06/07/10/11: Stainless steel tube.
Body	SI06/07/08: Profiles: steel, upper dome: aluminium. SI09/10/11: Profiles: brass, upper dome: copper.
Optical unit body	Die-cast aluminum UNI EN1706 powder painted.
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 PCG.
Colour	SI06/07/08: Graphite - Cod. 01 SI09/10/11: Brass



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)
SI iBox Smart 0F2H1 4.5-1M PCG	S05 STU-M STU-S	525	1430	16	89	2184	13
SI iBox Smart 0F2H1 4.5-2M PCG	SV SV2 TS		2800	30.5	91	4368	26
SI iBox Smart 0F2H1 4.7-1M PCG	S05 STU-M STU-S	700	1840	21.5	85	2765	17
SI iBox Smart 0F2H1 4.7-2M PCG	SV SV2 TS		3590	40	89	5530	35
SI iBox Smart 0F3 4.5-1M PCG	STE-M STE-S	525	1980	21.5	92	2950	17
SI iBox Smart 0F3 4.5-2M PCG	STW		3920	39	100	5901	34
SI iBox Smart 0F3 4.7-1M PCG	STE-M STE-S	700	2490	28	88	3735	23
SI iBox Smart 0F3 4.7-2M PCG	STW		4960	52	95	7470	47
SI iBox Smart 0F3 4.5-1M PCG	S05	525	1900	21.5	88	2950	17
SI iBox Smart 0F3 4.5-2M PCG			3760	39	96	5901	34
SI iBox Smart 0F3 4.7-1M PCG	S05	700	2390	28	85	3735	23
SI iBox Smart 0F3 4.7-2M PCG			4760	52	91	7470	47
SI iBox Smart 0F2H1 4.5-2M PCG	S	525	2800	30.5	91	4368	26
SI iBox Smart 0F2H1 4.7-2M PCG	S	700	3590	40	89	5530	35

*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	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)
SI iBox Smart 0F2H1 3.5-1M PCG	S05 STU-M STU-S	525	1330	16	83	1990	13
SI iBox Smart 0F2H1 3.5-2M PCG	SV SV2 TS		2600	30.5	85	3981	26
SI iBox Smart 0F2H1 3.7-1M PCG	S05 STU-M STU-S	700	1710	21.5	79	2520	17
SI iBox Smart 0F2H1 3.7-2M PCG	SV SV2 TS		3340	40	83	5040	35
SI iBox Smart 0F3 3.5-1M PCG	STE-M STE-S	525	1840	21.5	85	2701	17
SI iBox Smart 0F3 3.5-2M PCG	STW		3650	39	93	5403	34
SI iBox Smart 0F3 3.7-1M PCG	STE-M STE-S	700	2320	28	82	3420	23
SI iBox Smart 0F3 3.7-2M PCG	STW		4610	52	88	6840	47
SI iBox Smart 0F3 3.5-1M PCG	S05	525	1770	21.5	82	2701	17
SI iBox Smart 0F3 3.5-2M PCG			3500	39	89	5403	34
SI iBox Smart 0F3 3.7-1M PCG	S05	700	2220	28	79	3420	23
SI iBox Smart 0F3 3.7-2M PCG			4430	52	85	6840	47
SI iBox Smart 0F2H1 3.5-2M PCG	S	525	2600	30.5	85	3981	26
SI iBox Smart 0F2H1 3.7-2M PCG	S	700	3340	40	83	5040	35

*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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