

ITALO 2 URBAN TP

MAIN CHARACTERISTICS

Applications	Urban and street 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. SV: Asymmetrical optic for narrow urban streets or highway entrance/exit turns. S05: Asymmetrical optic for urban and street lighting. S: Roto-symmetric optic for urban lighting and green areas. OP-DX / SX: Asymmetrical optic for crosswalks lighting. Colour temperature: 4000K (optional 3000K, 5700K) CRI ≥ 70 LOR= 100%, DLOR= 100%, ULOR= 0% Photobiological safety class: EXEMPT GROUP LED source efficiency: 168lm/W @ 525mA, Tj=85°C – 4000K</p>
Insulation class	II, I
Protection degree	IP66 IK09 total
LED Modules	Removable
Tilt Angle	0°
Dimensions - Weight	See the drawing – 12Kg
Exposed surface	Side: 0.06m ² – Top: 0.25m ² SCx: 0.06m ²
Mounting	Post-top Ø60mm
Gear tray	Removable plate
Operating temp.	-40°C / +50°C
Storage temp.	-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



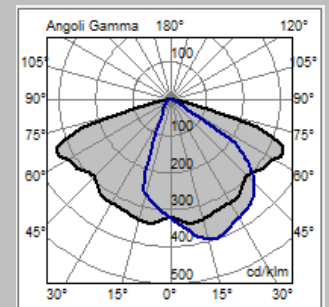
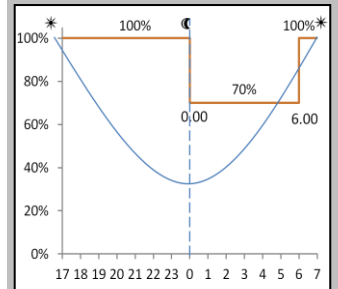
ELECTRICAL CHARACTERISTICS

Rated voltage	220±240V 50/60Hz (Standard tolerance +/-10%, other voltages and tolerances upon request)
Power factor	>0,9 (at full load)
On-load switch	Included, with integrated cable clamp.
Mains connection	For cables max section 4mm ²
Surge protection	SPD integrated 10kV-10kA, type II, with LED signal and thermo fuse to disconnect load at the end of life. Pulse withstand: 10kV / 10kV CM/DM
Control system (options)	<p>F: Fixed power not dimmable. 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). ZHAGA: Socket 4 pin (ZHAGA book 18).</p>
Optical unit lifetime (Tq=25°C, 700mA)	>100.000hr L90B10 >100.000hr L90, TM-21

MATERIALS

Fixing	Die-cast aluminium UNI EN1706 powder painted.
Heat-sink	
Lower frame	
Upper canopy	
Closure hook	Extruded aluminium with stainless steel spring.
Optic	99.85% aluminium with a surface finish in 99.95% with vacuum-sealed deposition. Alluminum grade class A+ (DIN EN 16268)
Screen	Flat tempered glass, 4mm thickness.
Cable gland	Plastic M20x1.5 - IP68
Gasket	Polyurethane
Colour	Semi-gloss satin grey - Cod. 2B

DA Profile



STE-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)
ITALO 2 UB TP 0F2H1 4.5-1M	STU-M STU-S SV S05	1830	16	114	2184	13
ITALO 2 UB TP 0F2H1 4.5-2M		3600	30.5	118	4368	26
ITALO 2 UB TP 0F2H1 4.5-3M		5390	44	122	6552	39
ITALO 2 UB TP 0F2H1 4.5-4M		6970	57	122	8736	52
ITALO 2 UB TP 0F2H1 4.5-5M		9190	72	127	10920	65
ITALO 2 UB TP 0F2H1 4.5-6M		10830	85	127	13104	78
ITALO 2 UB TP 0F2H1 4.5-7M		12600	99	127	15288	91
ITALO 2 UB TP 0F2H1 4.5-8M		14380	113	127	17472	104
ITALO 2 UB TP 0F2H1 4.5-9M		16480	128	128	19656	117
ITALO 2 UB TP 0F2H1 4.7-1M	STU-M STU-S SV S05	2360	21.5	109	2765	18
ITALO 2 UB TP 0F2H1 4.7-2M		4600	40	115	5530	36
ITALO 2 UB TP 0F2H1 4.7-3M		6850	58	118	8295	54
ITALO 2 UB TP 0F2H1 4.7-4M		8770	76	115	11060	72
ITALO 2 UB TP 0F2H1 4.7-5M		11590	95	122	13825	90
ITALO 2 UB TP 0F2H1 4.7-6M		13720	114	120	16590	108
ITALO 2 UB TP 0F2H1 4.7-7M		15880	132	120	19355	126
ITALO 2 UB TP 0F2H1 4.7-8M		18120	151	120	22120	144
ITALO 2 UB TP 0F3 4.5-1M	STE-M STE-S STW	2540	21.5	118	2950	17
ITALO 2 UB TP 0F3 4.5-2M		5030	39	128	5900	34
ITALO 2 UB TP 0F3 4.5-3M		7300	57	128	8850	51
ITALO 2 UB TP 0F3 4.5-4M		9700	76	127	11800	68
ITALO 2 UB TP 0F3 4.5-5M		12400	95	130	14750	85
ITALO 2 UB TP 0F3 4.5-6M		14790	112	132	17700	102
ITALO 2 UB TP 0F3 4.5-7M		17150	131	130	20650	119
ITALO 2 UB TP 0F3 4.5-8M		19530	150	130	23600	136

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)
ITALO 2 UB TP 0F3 4.7-1M	STE-M STE-S STW	3190	28	113	3735	24
ITALO 2 UB TP 0F3 4.7-2M		6370	52	122	7470	48
ITALO 2 UB TP 0F3 4.7-3M		9180	76	120	11205	72
ITALO 2 UB TP 0F3 4.7-4M		12240	102	120	14940	96
ITALO 2 UB TP 0F3 4.7-5M		15550	127	122	18675	120
ITALO 2 UB TP 0F3 4.7-6M		18560	150	123	22410	144
ITALO 2 UB TP 0F2H1 4.5-2M	S	3600	30.5	118	4368	26
ITALO 2 UB TP 0F2H1 4.5-4M		6970	57	122	8736	52
ITALO 2 UB TP 0F2H1 4.5-6M		10830	85	127	13104	78
ITALO 2 UB TP 0F2H1 4.7-2M	S	4600	40	115	5530	36
ITALO 2 UB TP 0F2H1 4.7-4M		8770	76	115	11060	72
ITALO 2 UB TP 0F2H1 4.7-6M		13720	114	120	16590	108
ITALO 2 UB TP 0F6 4.5-1M	OP-DX	5030	39	128	5901	35
ITALO 2 UB TP 0F6 4.5-2M	OP-SX	9700	76	127	11803	70
ITALO 2 UB TP 0F6 4.7-1M	OP-DX	6370	52	122	7470	47
ITALO 2 UB TP 0F6 4.7-2M	OP-SX	12240	102	120	14940	94

*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	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)
ITALO 2 UB TP 0F2H1 3.5-1M	STU-M STU-S SV S05	1700	16	106	1990	13
ITALO 2 UB TP 0F2H1 3.5-2M		3350	30.5	109	3980	26
ITALO 2 UB TP 0F2H1 3.5-3M		5010	44	113	5970	39
ITALO 2 UB TP 0F2H1 3.5-4M		6480	57	113	7960	52
ITALO 2 UB TP 0F2H1 3.5-5M		8550	72	118	9950	65
ITALO 2 UB TP 0F2H1 3.5-6M		10070	85	118	11940	78
ITALO 2 UB TP 0F2H1 3.5-7M		11720	99	118	13930	91
ITALO 2 UB TP 0F2H1 3.5-8M		13370	113	118	15920	104
ITALO 2 UB TP 0F2H1 3.5-9M		15330	128	119	18283	117
ITALO 2 UB TP 0F2H1 3.7-1M	STU-M STU-S SV S05	2190	21.5	101	2520	18
ITALO 2 UB TP 0F2H1 3.7-2M		4280	40	107	5040	36
ITALO 2 UB TP 0F2H1 3.7-3M		6370	58	109	7560	54
ITALO 2 UB TP 0F2H1 3.7-4M		8160	76	107	10080	72
ITALO 2 UB TP 0F2H1 3.7-5M		10780	95	113	12600	90
ITALO 2 UB TP 0F2H1 3.7-6M		12760	114	111	15120	108
ITALO 2 UB TP 0F2H1 3.7-7M		14770	132	111	17640	126
ITALO 2 UB TP 0F2H1 3.7-8M		16850	151	111	20160	144
ITALO 2 UB TP 0F3 3.5-1M	STE-M STE-S STW	2360	21.5	109	2701	17
ITALO 2 UB TP 0F3 3.5-2M		4680	39	120	5402	34
ITALO 2 UB TP 0F3 3.5-3M		6790	57	119	8103	51
ITALO 2 UB TP 0F3 3.5-4M		9020	76	118	10804	68
ITALO 2 UB TP 0F3 3.5-5M		11530	95	121	13505	85
ITALO 2 UB TP 0F3 3.5-6M		13750	112	122	16206	102
ITALO 2 UB TP 0F3 3.5-7M		15950	131	121	18907	119
ITALO 2 UB TP 0F3 3.5-8M		18160	150	121	21608	136

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)
ITALO 2 UB TP 0F3 3.7-1M	STE-M STE-S STW	2970	28	106	3420	24
ITALO 2 UB TP 0F3 3.7-2M		5920	52	113	6840	48
ITALO 2 UB TP 0F3 3.7-3M		8540	76	112	10260	72
ITALO 2 UB TP 0F3 3.7-4M		11380	102	111	13680	96
ITALO 2 UB TP 0F3 3.7-5M		14460	127	113	17100	120
ITALO 2 UB TP 0F3 3.7-6M		17260	150	115	20520	144
ITALO 2 UB TP 0F2H1 3.5-2M	S	3350	30.5	109	3980	26
ITALO 2 UB TP 0F2H1 3.5-4M		6480	57	113	7960	52
ITALO 2 UB TP 0F2H1 3.5-6M		10070	85	118	11940	78
ITALO 2 UB TP 0F2H1 3.7-2M	S	4280	40	107	5040	36
ITALO 2 UB TP 0F2H1 3.7-4M		8160	76	107	10080	72
ITALO 2 UB TP 0F2H1 3.7-6M		12760	114	111	15120	108
ITALO 2 UB TP 0F6 3.5-1M	OP-DX	4680	39	120	5190	35
ITALO 2 UB TP 0F6 3.5-2M	OP-SX	9020	76	118	10380	70
ITALO 2 UB TP 0F6 3.7-1M	OP-DX	5920	52	113	6570	47
ITALO 2 UB TP 0F6 3.7-2M	OP-SX	11380	102	111	13140	94

*RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory.

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