



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/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. OP-DX / SX: Asymmetrical optic for crosswalks lighting. Colour temperature: 4000K (3000K optional) 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
Dimensions - Weight	See the drawing – 12Kg
Exposed surface	Side: 0.06m ² – Top: 0.25m ² SCx: 0.06m ²
Mounting	Post-top Ø60mm
Tilt Angle	0°
LED Modules	Removable
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	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)	<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. Aluminum 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

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 SV2 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 SV2 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	11802	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.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: $\pm 7\%$. Power tolerance: $\pm 5\%$.

Power tolerance with ZHAGA version or power supply D4i/SR: $\pm 10\%$.

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)
ITALO 2 UB TP 0F2H1 3.5-1M	STU-M STU-S SV SV2 S05	1710	16	106	1990	13
ITALO 2 UB TP 0F2H1 3.5-2M		3340	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		13380	113	118	15920	104
ITALO 2 UB TP 0F2H1 3.5-9M		15330	128	119	17910	117
ITALO 2 UB TP 0F2H1 3.7-1M	STU-M STU-S SV SV2 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		6380	58	110	7560	54
ITALO 2 UB TP 0F2H1 3.7-4M		8150	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	2370	21.5	110	2701	17
ITALO 2 UB TP 0F3 3.5-2M		4680	39	120	5402	34
ITALO 2 UB TP 0F3 3.5-3M		6800	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		13760	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	2960	28	105	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		17270	150	115	20520	144
ITALO 2 UB TP 0F2H1 3.5-2M	S	3340	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		8150	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

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