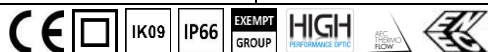


ITALO 2 URBAN TS

MAIN CHARACTERISTICS

| | |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications | Urban and street lighting. |
| Optic | TS: Symmetrical optic for centre road lighting. S: Symmetrical optic for urban lighting and green areas. 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 |
| 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: 0.04m ² |
| Mounting | Suspended installation on cable ø5-ø12mm. |
| Tilt Angle | Inclination on horizontal plane: ±15°. Rotation: 360° on vertical axis. |
| LED Modules | Removable/ Replaceable |
| 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) | 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). |
| Optical unit lifetime (Tq=25°C, 700mA) | >100.000hr L90B10 >100.000hr L90, TM-21 |

MATERIALS

| | |
|---------------------|----------------------------------------------------------------------------------------------------------------------------|
| Fixing | Stainless steel AISI 316L |
| Heat-sink | Die-cast aluminium UNI EN1706 powder painted. |
| 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 | Metallic 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 TS 0F2H1 4.5-1M | TS | 1880 | 16 | 117 | 2184 | 13 |
| ITALO 2 UB TS 0F2H1 4.5-2M | | 3690 | 30.5 | 120 | 4368 | 26 |
| ITALO 2 UB TS 0F2H1 4.5-3M | | 5530 | 44 | 125 | 6552 | 39 |
| ITALO 2 UB TS 0F2H1 4.5-4M | | 7150 | 57 | 125 | 8736 | 52 |
| ITALO 2 UB TS 0F2H1 4.5-5M | | 9430 | 72 | 130 | 10920 | 65 |
| ITALO 2 UB TS 0F2H1 4.5-6M | | 11110 | 85 | 130 | 13104 | 78 |
| ITALO 2 UB TS 0F2H1 4.5-7M | | 12920 | 99 | 130 | 15288 | 91 |
| ITALO 2 UB TS 0F2H1 4.5-8M | | 14750 | 113 | 130 | 17472 | 104 |
| ITALO 2 UB TS 0F2H1 4.5-9M | | 16900 | 128 | 132 | 19656 | 117 |
| ITALO 2 UB TS 0F2H1 4.7-1M | | 2420 | 21.5 | 112 | 2765 | 18 |
| ITALO 2 UB TS 0F2H1 4.7-2M | TS | 4720 | 40 | 118 | 5530 | 36 |
| ITALO 2 UB TS 0F2H1 4.7-3M | | 7030 | 58 | 121 | 8295 | 54 |
| ITALO 2 UB TS 0F2H1 4.7-4M | | 8990 | 76 | 118 | 11060 | 72 |
| ITALO 2 UB TS 0F2H1 4.7-5M | | 11890 | 95 | 125 | 13825 | 90 |
| ITALO 2 UB TS 0F2H1 4.7-6M | | 14070 | 114 | 123 | 16590 | 108 |
| ITALO 2 UB TS 0F2H1 4.7-7M | | 16290 | 132 | 123 | 19355 | 126 |
| ITALO 2 UB TS 0F2H1 4.7-8M | | 18580 | 151 | 123 | 22120 | 144 |
| ITALO 2 UB TS 0F2H1 4.5-2M | | S | 3690 | 30.5 | 120 | 4368 |
| ITALO 2 UB TS 0F2H1 4.5-4M | 7150 | | 57 | 125 | 8736 | 52 |
| ITALO 2 UB TS 0F2H1 4.5-6M | 11110 | | 85 | 130 | 13104 | 78 |
| ITALO 2 UB TS 0F2H1 4.7-2M | S | 4720 | 40 | 118 | 5530 | 36 |
| ITALO 2 UB TS 0F2H1 4.7-4M | | 8990 | 76 | 118 | 11060 | 72 |
| ITALO 2 UB TS 0F2H1 4.7-6M | | 14070 | 114 | 123 | 16590 | 108 |

*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 TS 0F2H1 3.5-1M | TS | 1750 | 16 | 109 | 1990 | 13 |
| ITALO 2 UB TS 0F2H1 3.5-2M | | 3430 | 30.5 | 112 | 3980 | 26 |
| ITALO 2 UB TS 0F2H1 3.5-3M | | 5140 | 44 | 116 | 5970 | 39 |
| ITALO 2 UB TS 0F2H1 3.5-4M | | 6650 | 57 | 116 | 7960 | 52 |
| ITALO 2 UB TS 0F2H1 3.5-5M | | 8770 | 72 | 121 | 9950 | 65 |
| ITALO 2 UB TS 0F2H1 3.5-6M | | 10330 | 85 | 121 | 11940 | 78 |
| ITALO 2 UB TS 0F2H1 3.5-7M | | 12020 | 99 | 121 | 13930 | 91 |
| ITALO 2 UB TS 0F2H1 3.5-8M | | 13720 | 113 | 121 | 15920 | 104 |
| ITALO 2 UB TS 0F2H1 3.5-9M | | 15720 | 128 | 122 | 17910 | 117 |
| ITALO 2 UB TS 0F2H1 3.7-1M | | TS | 2250 | 21.5 | 104 | 2520 |
| ITALO 2 UB TS 0F2H1 3.7-2M | 4390 | | 40 | 109 | 5040 | 36 |
| ITALO 2 UB TS 0F2H1 3.7-3M | 6540 | | 58 | 112 | 7560 | 54 |
| ITALO 2 UB TS 0F2H1 3.7-4M | 8360 | | 76 | 110 | 10080 | 72 |
| ITALO 2 UB TS 0F2H1 3.7-5M | 11060 | | 95 | 116 | 12600 | 90 |
| ITALO 2 UB TS 0F2H1 3.7-6M | 13090 | | 114 | 114 | 15120 | 108 |
| ITALO 2 UB TS 0F2H1 3.7-7M | 15150 | | 132 | 114 | 17640 | 126 |
| ITALO 2 UB TS 0F2H1 3.7-8M | 17280 | | 151 | 114 | 20160 | 144 |
| ITALO 2 UB TS 0F2H1 3.5-2M | S | 3430 | 30.5 | 112 | 3980 | 26 |
| ITALO 2 UB TS 0F2H1 3.5-4M | | 6650 | 57 | 116 | 7960 | 52 |
| ITALO 2 UB TS 0F2H1 3.5-6M | | 10330 | 85 | 121 | 11940 | 78 |
| ITALO 2 UB TS 0F2H1 3.7-2M | S | 4390 | 40 | 109 | 5040 | 36 |
| ITALO 2 UB TS 0F2H1 3.7-4M | | 8360 | 76 | 110 | 10080 | 72 |
| ITALO 2 UB TS 0F2H1 3.7-6M | | 13090 | 114 | 114 | 15120 | 108 |

*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.