

COMPASS 1 TP-UB

MAIN CHARACTERISTICS

Applications	Street and urban lighting.
Optic	<p>STU-S: Asymmetrical optic for street, urban and cycle-path lighting (narrow emission). STU-M: Asymmetrical optic for street, urban and cycle-path lighting (medium emission). STU-W: Asymmetrical optic for wide urban and suburban road lighting. S03: Asymmetrical optic for wide urban and suburban 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: 174 lm/W @ 400mA, Tj=85°C, 4000K</p>
Insulation class	II, I
Protection degree	IP66 IK08 total
LED Modules	Removable / Replaceable
Dimensions	See the drawing
Weight	max 10.5 kg
Exposed surface	Side: 0.05m ² – Top: 0.25m ²
Mounting	Post-top Ø60mm
Gear tray	Removable plate.
Operating temp.	-40°C / +50°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
Power factor	>0,9 (at full load, F, DA, DAC)
On-load switch	Included, with integrated cable clamp.
Mains connection	Cable H07RN-F nx1.5mm ² Optional: connector M/F IP66/68 for cables max. 2,5mm ² , Ø max. 12mm
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.

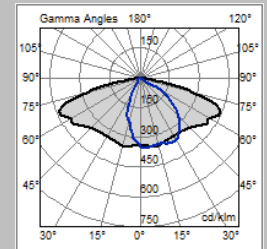
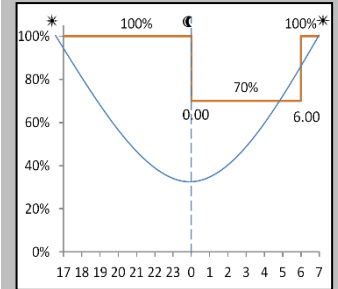
Control system (options)	<p>F: Fixed power not dimmable. DA: Automatic dimming (virtual midnight) with default profile. DAC: Custom DA profile. FLC: Constant light flux. WL: Wireless single point communication system. DALI: Digital dimming interface DALI. NEMA: Socket 7 pin (ANSI C136.41). ZHAGA: Socket 4 pin (ZHAGA Book 18).</p>
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Optical unit lifetime (Tq=25°C, 500mA)	<p>>100.000hr L90B10 >100.000hr L90, TM21</p>
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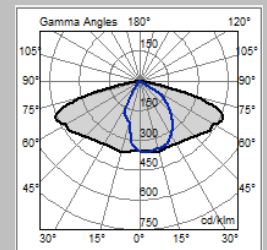
MATERIALS

Fixing	
Body	Die-cast aluminum UNI EN1706 powder painted.
Closure hook	
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, 5mm thickness high transparency.
Cable gland	Plastic M20x1.5 - IP68
Gasket	Polyurethane
Colour	Graphite - Cod. 01

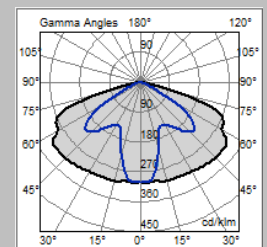
DA Profile



STU-M Optic



STU-S Optic



S Optic

All the published photometrical data has been obtained according to EN 13032-1





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)
COMPASS 1 TP-UB 2Z8 4.40-1M	STU-M STU-S STU-W	400	2620	21.5	121	3184	18
COMPASS 1 TP-UB 2Z8 4.40-2M			5280	40.5	130	6368	36
COMPASS 1 TP-UB 2Z8 4.40-3M			7850	59.5	131	9552	54
COMPASS 1 TP-UB 2Z8 4.40-4M			10340	79.5	130	12736	72
COMPASS 1 TP-UB 2Z8 4.50-1M	STU-M STU-S STU-W	500	3160	27	117	3899	23
COMPASS 1 TP-UB 2Z8 4.50-2M			6430	51.5	124	7798	46
COMPASS 1 TP-UB 2Z8 4.50-3M			9480	75.5	125	11697	69
COMPASS 1 TP-UB 2Z8 4.50-4M			12370	100	123	15596	92
COMPASS 1 TP-UB 2Z8 4.40-1M	S03	400	2570	21.5	119	3184	18
COMPASS 1 TP-UB 2Z8 4.40-2M			5170	40.5	127	6368	36
COMPASS 1 TP-UB 2Z8 4.40-3M			7690	59.5	129	9552	54
COMPASS 1 TP-UB 2Z8 4.40-4M			10130	79.5	127	12736	72
COMPASS 1 TP-UB 2Z8 4.50-1M	S03	500	3100	27	114	3899	23
COMPASS 1 TP-UB 2Z8 4.50-2M			6300	51.5	122	7798	46
COMPASS 1 TP-UB 2Z8 4.50-3M			9290	75.5	123	11697	69
COMPASS 1 TP-UB 2Z8 4.50-4M			12120	100	121	15596	92
COMPASS 1 TP-UB 2Z8 4.40-2M	S	400	5170	40.5	127	6368	36
COMPASS 1 TP-UB 2Z8 4.40-4M			10130	79.5	127	12736	72
COMPASS 1 TP-UB 2Z8 4.50-2M	S	500	6300	51.5	122	7798	46
COMPASS 1 TP-UB 2Z8 4.50-4M			12120	100	121	15596	92

*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	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)
COMPASS 1 TP-UB 2Z8 3.40-1M	STU-M STU-S STU-W	400	2570	21.5	119	3089	18
COMPASS 1 TP-UB 2Z8 3.40-2M			5170	40.5	127	6178	36
COMPASS 1 TP-UB 2Z8 3.40-3M			7690	59.5	129	9267	54
COMPASS 1 TP-UB 2Z8 3.40-4M			10130	79.5	127	12356	72
COMPASS 1 TP-UB 2Z8 3.50-1M	STU-M STU-S STU-W	500	3100	27	114	3782	23
COMPASS 1 TP-UB 2Z8 3.50-2M			6300	51.5	122	7564	46
COMPASS 1 TP-UB 2Z8 3.50-3M			9290	75.5	123	11346	69
COMPASS 1 TP-UB 2Z8 3.50-4M			12120	100	121	15128	92
COMPASS 1 TP-UB 2Z8 3.40-1M	S03	400	2520	21.5	117	3089	18
COMPASS 1 TP-UB 2Z8 3.40-2M			5070	40.5	125	6178	36
COMPASS 1 TP-UB 2Z8 3.40-3M			7540	59.5	126	9267	54
COMPASS 1 TP-UB 2Z8 3.40-4M			9930	79.5	124	12356	72
COMPASS 1 TP-UB 2Z8 3.50-1M	S03	500	3040	27	112	3782	23
COMPASS 1 TP-UB 2Z8 3.50-2M			6180	51.5	120	7564	46
COMPASS 1 TP-UB 2Z8 3.50-3M			9110	75.5	120	11346	69
COMPASS 1 TP-UB 2Z8 3.50-4M			11880	100	118	15128	92
COMPASS 1 TP-UB 2Z8 3.40-2M	S	400	5070	40.5	125	6178	36
COMPASS 1 TP-UB 2Z8 3.40-4M			9930	79.5	124	12356	72
COMPASS 1 TP-UB 2Z8 3.50-2M	S	500	6180	51.5	120	7564	46
COMPASS 1 TP-UB 2Z8 3.50-4M			11880	100	118	15128	92

*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.