

## COMPASS 1 TP-UB

### MAIN CHARACTERISTICS

<b>Applications</b>	Street and urban lighting.
<b>Optic</b>	<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.                  STA: Asymmetrical optic for long interdistance and wide roads, V and P class.                  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>
<b>Insulation class</b>	II, I
<b>Protection degree</b>	IP66   IK08 total
<b>LED Modules</b>	Removable / Replaceable
<b>Dimensions</b>	See the drawing
<b>Weight</b>	max 12.5 kg
<b>Exposed surface</b>	Side: 0.08m <sup>2</sup> – Top: 0.25m <sup>2</sup>
<b>Mounting</b>	Post-top Ø60mm
<b>Gear tray</b>	Removable plate.
<b>Operating temp.</b>	-40°C / +50°C
<b>Storage temperature</b>	-40°C / +80°C
<b>Main reference standards</b>	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN-61000-3-3

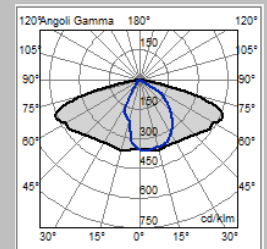


### ELECTRICAL CHARACTERISTICS

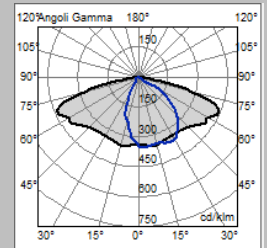
<b>Rated voltage</b>	220÷240V 50/60Hz
<b>Power factor</b>	>0,9 (at full load, F, DA, DAC)
<b>On-load switch</b>	Included, with integrated cable clamp.
<b>Mains connection</b>	Cable H07RN-F nx1.5mm <sup>2</sup> Optional: connector M/F IP66/68 for cables max. 2,5mm <sup>2</sup> , Ø max. 12mm
<b>Surge protection</b>	Up to 10kV   With SPD (optional) 10kV / 10kV CM/DM
<b>SPD (optional)</b>	10kV-10kA, type 2+3, with LED signal and thermo fuse to disconnect load at the end of life.
<b>Control system (options)</b>	<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>
<b>Optical unit lifetime (Tq=25°C, 500mA)</b>	<p>&gt;100.000hr L90B10                  &gt;100.000hr L90, TM21</p>

### MATERIALS

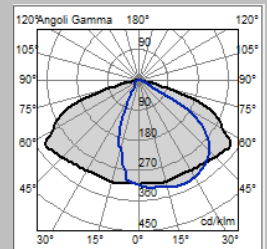
<b>Fixing</b>	Die-cast aluminum UNI EN1706 powder painted.
<b>Body</b>	
<b>Closure hook</b>	
<b>Optic</b>	99.85% aluminum with a surface finish in 99.95% with vacuum-sealed deposition. Aluminum grade class A+ (DIN EN 16268)
<b>Screen</b>	Flat tempered glass, 5mm thickness high transparency.
<b>Cable gland</b>	Plastic M20x1.5 - IP68
<b>Gasket</b>	Polyurethane
<b>Colour</b>	Graphite - Cod. 01



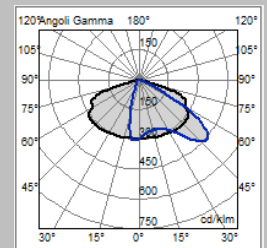
STU-S Optic



STU-M Optic



STU-W Optic



S03 Optic

All the published photometrical data has been obtained according to applicable international standards





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	3175	18
COMPASS 1 TP-UB 2Z8 4.40-2M			5280	40.5	130	6351	36
COMPASS 1 TP-UB 2Z8 4.40-3M			7850	59.5	131	9526	54
COMPASS 1 TP-UB 2Z8 4.40-4M			10340	79.5	130	12701	72
COMPASS 1 TP-UB 2Z8 4.50-1M	STU-M STU-S STU-W	500	3160	27	117	3896	23
COMPASS 1 TP-UB 2Z8 4.50-2M			6430	51.5	124	7792	46
COMPASS 1 TP-UB 2Z8 4.50-3M			9480	75.5	125	11688	68
COMPASS 1 TP-UB 2Z8 4.50-4M			12370	100	123	15585	91
COMPASS 1 TP-UB 2Z8 4.40-1M	S03	400	2570	21.5	119	3175	18
COMPASS 1 TP-UB 2Z8 4.40-2M			5170	40.5	127	6351	36
COMPASS 1 TP-UB 2Z8 4.40-3M			7690	59.5	129	9526	54
COMPASS 1 TP-UB 2Z8 4.40-4M			10130	79.5	127	12701	72
COMPASS 1 TP-UB 2Z8 4.50-1M	S03	500	3100	27	114	3896	23
COMPASS 1 TP-UB 2Z8 4.50-2M			6300	51.5	122	7792	46
COMPASS 1 TP-UB 2Z8 4.50-3M			9290	75.5	123	11688	68
COMPASS 1 TP-UB 2Z8 4.50-4M			12120	100	121	15585	91
COMPASS 1 TP-UB 2Z6 4.40-1M	STA	400	1910	17	112	2382	13
COMPASS 1 TP-UB 2Z6 4.40-2M			3770	31.5	119	4763	27
COMPASS 1 TP-UB 2Z6 4.40-3M			5630	46	122	7145	40
COMPASS 1 TP-UB 2Z6 4.40-4M			7500	60	125	9526	54
COMPASS 1 TP-UB 2Z6 4.50-1M	STA	500	2320	21.5	107	2922	17
COMPASS 1 TP-UB 2Z6 4.50-2M			4560	40	114	5844	34
COMPASS 1 TP-UB 2Z6 4.50-3M			6800	58.5	116	8766	51
COMPASS 1 TP-UB 2Z6 4.50-4M			9050	76.5	118	11688	68



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 4.40-2M	S	400	5170	40.5	127	6351	36
COMPASS 1 TP-UB 2Z8 4.40-4M			10130	79.5	127	12701	72
COMPASS 1 TP-UB 2Z8 4.50-2M	S	500	6300	51.5	122	7792	46
COMPASS 1 TP-UB 2Z8 4.50-4M			12120	100	121	15585	91

\*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%.

Power tolerance with ZHAGA version or power supply D4i/SR: ±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	3112	18
COMPASS 1 TP-UB 2Z8 3.40-2M			5170	40.5	127	6224	36
COMPASS 1 TP-UB 2Z8 3.40-3M			7690	59.5	129	9336	54
COMPASS 1 TP-UB 2Z8 3.40-4M			10130	79.5	127	12447	72
COMPASS 1 TP-UB 2Z8 3.50-1M	STU-M STU-S STU-W	500	3100	27	114	3818	23
COMPASS 1 TP-UB 2Z8 3.50-2M			6300	51.5	122	7636	46
COMPASS 1 TP-UB 2Z8 3.50-3M			9290	75.5	123	11455	68
COMPASS 1 TP-UB 2Z8 3.50-4M			12120	100	121	15273	91
COMPASS 1 TP-UB 2Z8 3.40-1M	S03	400	2520	21.5	117	3112	18
COMPASS 1 TP-UB 2Z8 3.40-2M			5070	40.5	125	6224	36
COMPASS 1 TP-UB 2Z8 3.40-3M			7540	59.5	126	9336	54
COMPASS 1 TP-UB 2Z8 3.40-4M			9930	79.5	124	12447	72
COMPASS 1 TP-UB 2Z8 3.50-1M	S03	500	3040	27	112	3818	23
COMPASS 1 TP-UB 2Z8 3.50-2M			6180	51.5	120	7636	46
COMPASS 1 TP-UB 2Z8 3.50-3M			9110	75.5	120	11455	68
COMPASS 1 TP-UB 2Z8 3.50-4M			11880	100	118	15273	91
COMPASS 1 TP-UB 2Z6 3.40-1M	STA	400	1880	17	110	2334	13
COMPASS 1 TP-UB 2Z6 3.40-2M			3700	31.5	117	4668	27
COMPASS 1 TP-UB 2Z6 3.40-3M			5520	46	120	7002	40
COMPASS 1 TP-UB 2Z6 3.40-4M			7350	60	122	9336	54
COMPASS 1 TP-UB 2Z6 3.50-1M	STA	500	2280	21.5	106	2864	17
COMPASS 1 TP-UB 2Z6 3.50-2M			4470	40	111	5727	34
COMPASS 1 TP-UB 2Z6 3.50-3M			6660	58.5	113	8591	51
COMPASS 1 TP-UB 2Z6 3.50-4M			8870	76.5	115	11455	68



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 3.40-2M	S	400	5070	40.5	125	6224	36
COMPASS 1 TP-UB 2Z8 3.40-4M			9930	79.5	124	12447	72
COMPASS 1 TP-UB 2Z8 3.50-2M	S	500	6180	51.5	120	7636	46
COMPASS 1 TP-UB 2Z8 3.50-4M			11880	100	118	15273	91

\*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:  $\pm 10\%$ .

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