

**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/STA1: Asymmetrical optic for long interdistance and wide roads, V and P class.                  Colour temperature: 4000K (optional 3000K)   CRI ≥ 70                  LOR= 100%, DLOR= 100%, ULOR= 0%                  Photobiological safety class: EXEMPT GROUP                  LED source efficiency: 163 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 10.5 kg
<b>Exposed surface</b>	Side: 0.05m <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



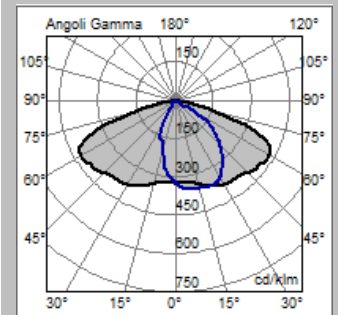
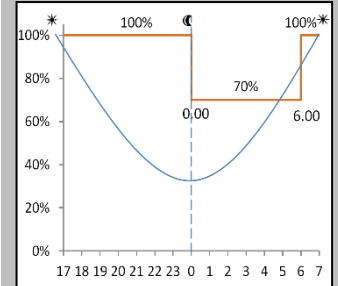
**ELECTRICAL CHARACTERISTICS**

<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>	For cables max section 4mm <sup>2</sup>
<b>Surge protection</b>	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.
<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

**DA Profile**



STU-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)
COMPASS 1 TP-UB 2W8 4.40-1M		2700	22	122	3099	19
COMPASS 1 TP-UB 2W8 4.40-2M	STU-M STU-S STU-W S03	5380	41.5	129	6198	38
COMPASS 1 TP-UB 2W8 4.40-3M		8040	62	129	9297	57
COMPASS 1 TP-UB 2W8 4.40-4M		10650	81	131	12396	76
COMPASS 1 TP-UB 2W8 4.50-1M		3320	28	118	3803	24
COMPASS 1 TP-UB 2W8 4.50-2M	STU-M STU-S STU-W S03	6540	53	123	7606	48
COMPASS 1 TP-UB 2W8 4.50-3M		9690	78	124	11409	72
COMPASS 1 TP-UB 2W8 4.50-4M		12830	104	123	15212	96
COMPASS 1 TP-UB 2W8 4.40-2M		S	5380	41.5	129	6198
COMPASS 1 TP-UB 2W8 4.40-4M	10650		81	131	12396	76
COMPASS 1 TP-UB 2W8 4.50-2M	S	6540	53	123	7606	48
COMPASS 1 TP-UB 2W8 4.50-4M		12830	104	123	15212	96

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

\*RATED LED FLUX / RATED LED POWER: Rated data extrapolated from LED manufacturer datasheet.

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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, 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 2W6 4.40-1M	STA	1930	16.5	116	2324	14
COMPASS 1 TP-UB 2W6 4.40-2M		3840	31	123	4648	28
COMPASS 1 TP-UB 2W6 4.40-3M		5740	46.5	123	6972	42
COMPASS 1 TP-UB 2W6 4.40-4M		7610	61	124	9296	56
COMPASS 1 TP-UB 2W6 4.50-1M	STA	2370	21	112	2852	18
COMPASS 1 TP-UB 2W6 4.50-2M		4670	40	116	5704	36
COMPASS 1 TP-UB 2W6 4.50-3M		6920	58.5	118	8556	54
COMPASS 1 TP-UB 2W6 4.50-4M		9180	78	117	11408	72
COMPASS 1 TP-UB 2W6 4.40-1M	STA1	1880	16.5	113	2324	14
COMPASS 1 TP-UB 2W6 4.40-2M		3740	31	120	4648	28
COMPASS 1 TP-UB 2W6 4.40-3M		5600	46.5	120	6972	42
COMPASS 1 TP-UB 2W6 4.40-4M		7420	61	121	9296	56
COMPASS 1 TP-UB 2W6 4.50-1M	STA1	2310	21	110	2852	18
COMPASS 1 TP-UB 2W6 4.50-2M		4560	40	114	5704	36
COMPASS 1 TP-UB 2W6 4.50-3M		6750	58.5	115	8556	54
COMPASS 1 TP-UB 2W6 4.50-4M		8940	78	114	11408	72

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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)
COMPASS 1 TP-UB 2W8 3.40-1M		2510	22	114	2882	19
COMPASS 1 TP-UB 2W8 3.40-2M	STU-M STU-S STU-W S03	5000	41.5	120	5764	38
COMPASS 1 TP-UB 2W8 3.40-3M		7480	62	120	8646	57
COMPASS 1 TP-UB 2W8 3.40-4M		9900	81	122	11528	76
COMPASS 1 TP-UB 2W8 3.50-1M		3090	28	110	3538	24
COMPASS 1 TP-UB 2W8 3.50-2M	STU-M STU-S STU-W S03	6080	53	114	7076	48
COMPASS 1 TP-UB 2W8 3.50-3M		9010	78	115	10614	72
COMPASS 1 TP-UB 2W8 3.50-4M		11930	104	114	14152	96
COMPASS 1 TP-UB 2W8 3.40-2M		S	5000	41.5	120	5764
COMPASS 1 TP-UB 2W8 3.40-4M	9900		81	122	11528	76
COMPASS 1 TP-UB 2W8 3.50-2M	S	6080	53	114	7076	48
COMPASS 1 TP-UB 2W8 3.50-4M		11930	104	114	14152	96

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COMPASS 1 TP-UB 2W6 3.40-1M	STA	1800	16.5	109	2162	14
COMPASS 1 TP-UB 2W6 3.40-2M		3570	31	115	4324	28
COMPASS 1 TP-UB 2W6 3.40-3M		5340	46.5	114	6486	42
COMPASS 1 TP-UB 2W6 3.40-4M		7080	61	116	8648	56
COMPASS 1 TP-UB 2W6 3.50-1M	STA	2200	21	104	2653	18
COMPASS 1 TP-UB 2W6 3.50-2M		4340	40	108	5306	36
COMPASS 1 TP-UB 2W6 3.50-3M		6430	58.5	109	7959	54
COMPASS 1 TP-UB 2W6 3.50-4M		8540	78	109	10612	72
COMPASS 1 TP-UB 2W6 3.40-1M	STA1	1750	16.5	106	2162	14
COMPASS 1 TP-UB 2W6 3.40-2M		3480	31	112	4324	28
COMPASS 1 TP-UB 2W6 3.40-3M		5210	46.5	112	6486	42
COMPASS 1 TP-UB 2W6 3.40-4M		6900	61	113	8648	56
COMPASS 1 TP-UB 2W6 3.50-1M	STA1	2150	21	102	2653	18
COMPASS 1 TP-UB 2W6 3.50-2M		4240	40	106	5306	36
COMPASS 1 TP-UB 2W6 3.50-3M		6280	58.5	107	7959	54
COMPASS 1 TP-UB 2W6 3.50-4M		8310	78	106	10612	72

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