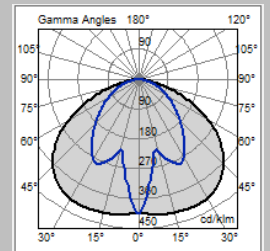


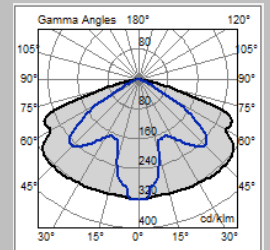
ARYA TP

MAIN CHARACTERISTICS

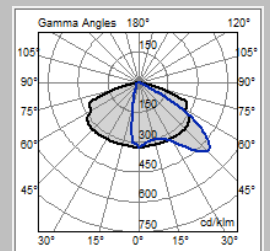
Applications	Street and urban lighting.
Optic	<p>HC-S: Hyper Comfort symmetric optic for urban lighting and green areas. HC-ST: Hyper Comfort asymmetrical optic for urban lighting and green areas. STU-S: Asymmetrical optic for street, urban and cycle-path lighting (narrow emission). STU-M: Asymmetrical 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: Symmetric optic for urban lighting and green areas. STA: Asymmetrical optic for long interdistance and wide roads. 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
Dimensions	See the drawing
Weight	max 7.5 kg
Exposed surface	Side: 0.05m ² – Top: 0.17m ²
Mounting	Post-top Ø60-Ø76mm
LED Modules	Removable / Replaceable
Gear tray	Removable / Replaceable
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)
Mains connection	Cable H07RN-F nx1mm 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 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. DALI: Digital dimming interface DALI. ZHAGA: Socket 4 pin (ZHAGA Book 18). TELEMANAGEMENT: Wireless single point communication system available with Zhaga option (external node WL-ZHAGA is necessary).</p>
LED source lifetime (Tq=25°C, 500mA)	<p>>100.000hr L90B10 >100.000hr L90, TM21</p>
MATERIALS	
Fixing	Die-cast aluminium UNI EN1706 powder painted.
Body	
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, 5mm thickness, high transparency.
Gasket	Polyurethane
Colour	Graphite - Cod. 01



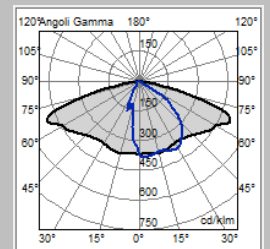
HC-S Optic



S Optic



S03 Optic



STU-M 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)
ARYA TP 2Z8 4.40-1M	STU-M	400	2490	21.5	115	3184	18
ARYA TP 2Z8 4.40-2M	STU-S		5010	40.5	123	6368	36
ARYA TP 2Z8 4.40-2M	STU-W		5010	40.5	123	6368	36
ARYA TP 2Z8 4.50-1M	STU-M	500	3010	27	111	3899	23
ARYA TP 2Z8 4.50-2M	STU-S		6110	51.5	118	7798	46
ARYA TP 2Z8 4.50-2M	STU-W		6110	51.5	118	7798	46
ARYA TP 2Z8 4.40-1M	S03	400	2440	21.5	113	3175	18
ARYA TP 2Z8 4.40-2M			4910	40.5	121	6351	36
ARYA TP 2Z8 4.50-1M	S03	500	2950	27	109	3896	23
ARYA TP 2Z8 4.50-2M			5990	51.5	116	7792	46
ARYA TP 2Z8 4.40-2M	S	400	4910	40.5	121	6351	36
ARYA TP 2Z8 4.50-2M	S	500	5990	51.5	116	7792	46
ARYA TP 2Z6 4.40-1M	STA	400	1820	17	107	2382	13
ARYA TP 2Z6 4.40-2M			3620	31.5	114	4763	27
ARYA TP 2Z6 4.50-1M	STA	500	2220	21.5	103	2922	17
ARYA TP 2Z6 4.50-2M			4410	40	110	5844	34
ARYA TP 2Z8 4.25-1M VEX	HC-ST	250	1470	13.5	108	2049	11
ARYA TP 2Z8 4.25-2M VEX			3010	25	120	4097	22
ARYA TP 2Z8 4.35-1M VEX	HC-ST	350	2030	18.5	109	2806	16
ARYA TP 2Z8 4.35-2M VEX			4050	35	115	5612	31
ARYA TP 2Z8 4.25-2M VEX	HC-S	250	3010	25	120	4097	22
ARYA TP 2Z8 4.25-4M VEX			5990	47.5	126	8195	44
ARYA TP 2Z8 4.35-2M VEX	HC-S	350	4050	35	115	5612	31
ARYA TP 2Z8 4.35-4M VEX**			8070	68	118	11224	62

*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: $\pm 10\%$.

**Operating temperature: $-40^{\circ}\text{C} / +40^{\circ}\text{C}$

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)
ARYA TP 2Z8 3.40-1M	STU-M	400	2440	21.5	113	3112	18
ARYA TP 2Z8 3.40-2M	STU-S		4910	40.5	121	6224	36
ARYA TP 2Z8 3.40-2M	STU-W		4910	40.5	121	6224	36
ARYA TP 2Z8 3.50-1M	STU-M	500	2950	27	109	3818	23
ARYA TP 2Z8 3.50-2M	STU-S		5990	51.5	116	7636	46
ARYA TP 2Z8 3.50-2M	STU-W		5990	51.5	116	7636	46
ARYA TP 2Z8 3.40-1M	S03	400	2390	21.5	111	3112	18
ARYA TP 2Z8 3.40-2M			4810	40.5	118	6224	36
ARYA TP 2Z8 3.50-1M	S03	500	2890	27	107	3818	23
ARYA TP 2Z8 3.50-2M			5870	51.5	113	7636	46
ARYA TP 2Z8 3.40-2M	S	400	4810	40.5	118	6224	36
ARYA TP 2Z8 3.50-2M	S	500	5870	51.5	113	7636	46
ARYA TP 2Z6 3.40-1M	STA	400	1780	17	104	2334	13
ARYA TP 2Z6 3.40-2M			3550	31.5	112	4668	27
ARYA TP 2Z6 3.50-1M	STA	500	2170	21.5	100	2864	17
ARYA TP 2Z6 3.50-2M			4320	40	108	5727	34
ARYA TP 2Z8 3.25-1M VEX	HC-ST	250	1440	13.5	106	2008	11
ARYA TP 2Z8 3.25-2M VEX			2950	25	118	4016	22
ARYA TP 2Z8 3.35-1M VEX	HC-ST	350	1990	18.5	107	2750	16
ARYA TP 2Z8 3.35-2M VEX			3970	35	113	5500	31
ARYA TP 2Z8 3.25-2M VEX	HC-S	250	2950	25	118	4016	22
ARYA TP 2Z8 3.25-4M VEX			5870	47.5	123	8031	44
ARYA TP 2Z8 3.35-2M VEX	HC-S	350	3970	35	113	5500	31
ARYA TP 2Z8 3.35-4M VEX**			7910	68	116	10999	62

*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: $\pm 10\%$.

**Operating temperature: $-40^{\circ}\text{C} / +40^{\circ}\text{C}$

The characteristics of the product listed above are subjected to change without notice.