

ARYA TS

MAIN CHARACTERISTICS

Applications	Street and urban lighting.
Optic	TS-S: Symmetrical optic for centre road lighting (narrow emission). TS-M: Symmetrical optic for centre road lighting (medium emission). TS-W: Symmetrical optic for centre road lighting (wide emission). TS-03: Symmetrical optic for centre road lighting (extra wide emission). 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
Insulation class	II, I
Protection degree	IP66 IK08 total
Dimensions	See the drawing
Weight	max 7.5 kg
Exposed surface	Side: 0.04m ² – Top: 0.17m ²
Mounting	Suspended installation on cable Ø5-12mm. Inclination on horizontal plane: ±15°. Rotation: 360° on vertical axis.
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

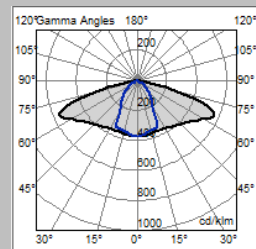


ELECTRICAL CHARACTERISTICS

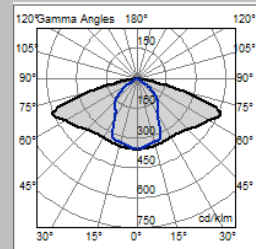
Rated voltage	220÷240V 50/60Hz
Power factor	>0,9 (at full load, F, DA, DAC)
Mains connection	Cable H07RN-F nx1mm ² Optional: connector M/F IP66/68 for cables max. 2,5mm ² , Ø max. 14mm
Surge protection	Up to 10kV With SPD (optional) 10kV / 10kV CM/DM
SPD (optional)	10kV-10kA, type 2+3, with LED signal 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. 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).
LED source lifetime (Tq=25°C, 500mA)	>100.000hr L90B10 >100.000hr L90, TM21

MATERIALS

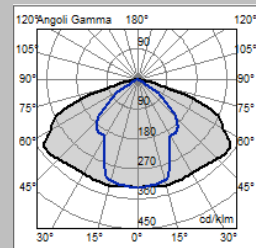
Fixing	Stainless steel AISI 316L
Body	Die-cast aluminium UNI EN1706 powder painted.
Optic	99.85% aluminium with a surface finish in 99.95% with vacuum-sealed deposition. Aluminum grade class A+ (DIN EN 16268)
Screen	Flat tempered glass, 5mm thickness, high transparency.
Gasket	Polyurethane
Colour	Graphite - Cod. 01



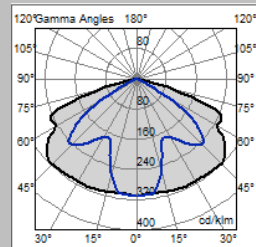
TS-S Optic



TS-M Optic



TS-W Optic



TS-03 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 TS 2Z8 4.20-2M	TS-M TS-S TS-W	200	2750	21	130	3322	17
ARYA TS 2Z8 4.30-2M		300	4020	30.5	131	4861	26
ARYA TS 2Z8 4.40-2M		400	5130	40.5	126	6351	36
ARYA TS 2Z8 4.50-2M		500	6250	51.5	121	7792	46
ARYA TS 2Z8 4.20-2M	TS-03	200	2680	21	127	3322	17
ARYA TS 2Z8 4.30-2M		300	3900	30.5	127	4861	26
ARYA TS 2Z8 4.40-2M		400	4980	40.5	122	6351	36
ARYA TS 2Z8 4.50-2M		500	6070	51.5	117	7792	46

*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)
ARYA TS 2Z8 3.20-2M	TS-M TS-S TS-W	200	2700	21	128	3256	17
ARYA TS 2Z8 3.30-2M		300	3930	30.5	128	4763	26
ARYA TS 2Z8 3.40-2M		400	5020	40.5	123	6224	36
ARYA TS 2Z8 3.50-2M		500	6120	51.5	118	7636	46
ARYA TS 2Z8 3.20-2M	TS-03	200	2620	21	124	3256	17
ARYA TS 2Z8 3.30-2M		300	3820	30.5	125	4763	26
ARYA TS 2Z8 3.40-2M		400	4880	40.5	120	6224	36
ARYA TS 2Z8 3.50-2M		500	5950	51.5	115	7636	46

*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.