



ARYA TS	
MAIN CHARACTERISTICS	
Applications	Street and urban lighting.
Optic	TS: Symmetrical optic for centre road lighting. Colour temperature: 4000K, 3000K, 2700, 2200K (others in option) CRI ≥ 70 LOR= 100%, DLOR= 100%, ULOR= 0% Photobiological safety class: EXEMPT GROUP LED source efficiency: 185 lm/W @ 140mA, Tj=85°C, 4000K
Insulation class	II, I
Protection degree	IP667IP67 IK08 total
Dimensions	See the drawing
Weight	max 7.5 kg
Exposed surface	Side: 0.04m ² – Top: 0.17m ² SCx: 0.03 m 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 / +55°C
Storage temp	-40°C / +80°C
Main reference standards	EN 60598-1, EN 60598-2-3, EN 62471, PD EPRS 003 / EN 62722-2-1 2016 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 12kV With SPD: CL.II: 10kV / 10kV CM/DM CL.I: 12kV / 10kV CM/DM Without SPD: CL.II: 10kV / 6kV CM/DM CL.I: 10kV / 6kV CM/DM
SPD (optional)	12kV-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. NEMA: Socket 7 pin (ANSI C136.41). ZHAGA: Socket 4 pin (ZHAGA Book 18). TELEMANAGEMENT: Wireless single point communication system available with Zhaga option (external node WL-ZHAGA is necessary).
Optical unit lifetime (Tq=25°C)	>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 without joints.
Colour	Graphite - Cod. 01



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 5P5 7040.060-1M	TS	60	1700	11.9	142.8	1847	9.4
ARYA TS 5P5 7040.060-2M			3410	23	148.2	3694	18.8
ARYA TS 5P5 7040.060-3M			5020	33.8	148.5	5541	28.2
ARYA TS 5P5 7040.060-4M			6740	43.4	155.2	7387	37.6
ARYA TS 5P5 7040.100-1M		100	2780	19.1	145.5	3023	16
ARYA TS 5P5 7040.100-2M			5560	37.4	148.6	6046	31.9
ARYA TS 5P5 7040.100-3M			8170	54.8	149	9069	47.9
ARYA TS 5P5 7040.100-4M			10870	72	150.9	12092	63.8
ARYA TS 5P5 7040.140-1M		140	3840	26.8	143.2	4150	22.7
ARYA TS 5P5 7040.140-2M			7620	52.3	145.6	8299	45.4
ARYA TS 5P5 7040.140-3M			11160	76.7	145.5	12449	68
ARYA TS 5P5 7040.140-4M			14710	102	144.2	16598	90.7

*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: $\pm 7\%$.

Power tolerance with ZHAGA version or power supply D4/SR: $\pm 10\%$.

Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.

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 5P5 7030.060-1M	TS	60	1590	11.9	133.6	1736	9.4
ARYA TS 5P5 7030.060-2M			3210	23	139.5	3472	18.8
ARYA TS 5P5 7030.060-3M			4720	33.8	139.6	5208	28.2
ARYA TS 5P5 7030.060-4M			6340	43.4	146	6944	37.6
ARYA TS 5P5 7030.100-1M		100	2610	19.1	136.6	2842	16
ARYA TS 5P5 7030.100-2M			5230	37.4	139.8	5683	31.9
ARYA TS 5P5 7030.100-3M			7680	54.8	140.1	8525	47.9
ARYA TS 5P5 7030.100-4M			10220	72	141.9	11367	63.8
ARYA TS 5P5 7030.140-1M		140	3610	26.8	134.7	3901	22.7
ARYA TS 5P5 7030.140-2M			7160	52.3	136.9	7801	45.4
ARYA TS 5P5 7030.140-3M			10490	76.7	136.7	11702	68
ARYA TS 5P5 7030.140-4M			13830	102	135.5	15602	90.7

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Power tolerance with ZHAGA version or power supply D4I/SR: $\pm 10\%$.

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LUMINAIRE	OPTIC	LED CURRENT (mA)	RATED LUMINAIRE FLUX* (Tq=25°C, 2700K, 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, 2700K, lm)	RATED LED POWER* (Tj=85°C, W)
ARYA TS 5P5 7027.060-1M	TS	60	1530	11.9	128.5	1662	9.4
ARYA TS 5P5 7027.060-2M			3070	23	133.4	3324	18.8
ARYA TS 5P5 7027.060-3M			4520	33.8	133.7	4986	28.2
ARYA TS 5P5 7027.060-4M			6070	43.4	139.8	6649	37.6
ARYA TS 5P5 7027.100-1M		100	2500	19.1	130.8	2721	16
ARYA TS 5P5 7027.100-2M			5000	37.4	133.6	5441	31.9
ARYA TS 5P5 7027.100-3M			7350	54.8	134.1	8162	47.9
ARYA TS 5P5 7027.100-4M			9780	72	135.8	10883	63.8
ARYA TS 5P5 7027.140-1M		140	3460	26.8	129.1	3735	22.7
ARYA TS 5P5 7027.140-2M			6860	52.3	131.1	7469	45.4
ARYA TS 5P5 7027.140-3M			10040	76.7	130.8	11204	68
ARYA TS 5P5 7027.140-4M			13240	102	129.8	14938	90.7

*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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LUMINAIRE	OPTIC	LED CURRENT (mA)	RATED LUMINAIRE FLUX* (Tq=25°C, 2200K, 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, 2200K, lm)	RATED LED POWER* (Tj=85°C, W)
ARYA TS 5P5 7022.060-1M	TS	60	1370	11.9	115.1	1496	9.4
ARYA TS 5P5 7022.060-2M			2770	23	120.4	2992	18.8
ARYA TS 5P5 7022.060-3M			4070	33.8	120.4	4488	28.2
ARYA TS 5P5 7022.060-4M			5460	43.4	125.8	5984	37.6
ARYA TS 5P5 7022.100-1M		100	2250	19.1	117.8	2449	16
ARYA TS 5P5 7022.100-2M			4500	37.4	120.3	4897	31.9
ARYA TS 5P5 7022.100-3M			6620	54.8	120.8	7346	47.9
ARYA TS 5P5 7022.100-4M			8800	72	122.2	9795	63.8
ARYA TS 5P5 7022.140-1M		140	3110	26.8	116	3361	22.7
ARYA TS 5P5 7022.140-2M			6170	52.3	117.9	6722	45.4
ARYA TS 5P5 7022.140-3M			9040	76.7	117.8	10083	68
ARYA TS 5P5 7022.140-4M			11920	102	116.8	13445	90.7

*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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