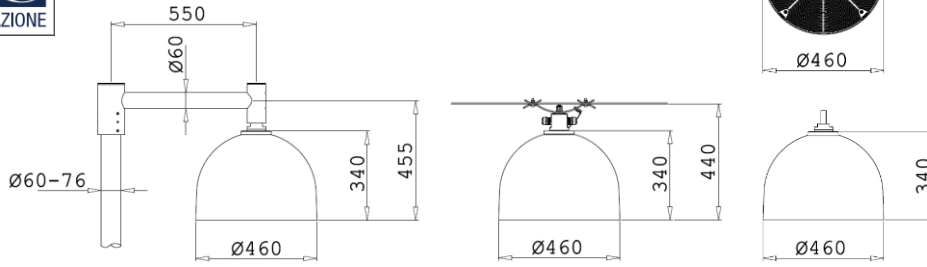




Product Sheet

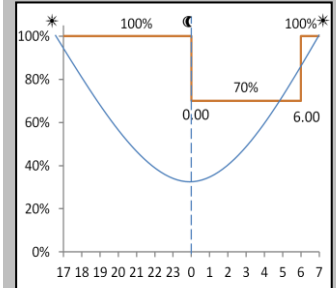


ARTELYS 460

MAIN CHARACTERISTICS

Applications	Street and urban lighting.
Optic	<p>STE-M/S: Asymmetrical optic for suburban street lighting. STU-M/S: Asymmetrical optic for street, urban and cycle-path lighting. STW: Asymmetrical optic for wide urban and suburban road lighting, specific for wet asphalts. S05: Asymmetrical optic for street, urban and green areas lighting. TS: Symmetrical optic for centre road lighting. SV: Asymmetrical optic for very narrow urban streets or highway entrance/exit turns. S: Symmetrical optic for urban lighting and green areas. OP-DX/SX: Asymmetrical optic for crosswalks lighting. Colour temperature: 4000K (optional 3000K) CRI ≥ 70 LOR= 100%, DLOR= 100%, ULOR= 0% Photobiological safety class: EXEMPT GROUP LED source efficiency: 168lm/W @ 525mA, Tj=85°C, 4000K</p>
Insulation class	II, I
Protection degree	IP66 IK08 total
LED Modules	Removable / Replaceable
Dimensions	See the drawing
Weight	max 8.8kg
Exposed surface	Side: 0.13m ² – Top: 0.17m ²
Mounting	S: on brackets 1/2" GAS (typical installation on bracket MY Ø60-76). TS: on cable Ø5÷12mm.
Gear tray	Removable plate.
Operating temp.	-40°C / +50°C (525mA) -40°C / +35°C (700mA)
Storage temp.	-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

DA Profile

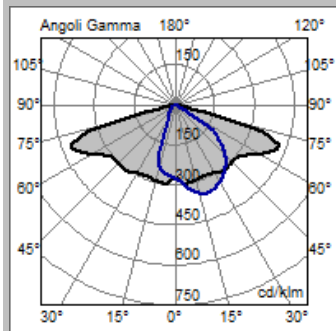


ELECTRICAL CHARACTERISTICS

Rated voltage	220÷240V 50/60Hz (Standard tolerance +/-10%. Other voltages and tolerances upon request)
Power factor	>0,95 (at full load F, DA, DAC)
On-load switch	Included, with integrated cable clamp.
Mains connection	For cables max section 4mm ²
Surge protection	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
Control system (options)	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.
Optical unit lifetime (Tq=25°C, 700mA)	>100.000hr L90B10 >100.000hr L90, TM-21

MATERIALS

Fixing	Turned steel.
Body	Turned aluminium powder painted.
Heatsink	Extruded aluminium.
Closure	Stainless steel captive screws.
Optic	99.85% aluminium with a surface finish in 99.95% with vacuum-sealed deposition. Alluminum grade class A+ (DIN EN 16268)
Screen	Flat tempered glass, 5mm thickness, high transparency.
Gasket	Polyurethane
Colour	Graphite - Cod. 01



STU-M Optic

All the published photometrical data has been obtained according to EN 13032-1





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)
ARTELYS 460 0F2H1 4.5-1M	S05 STU-M STU-S SV TS	525	1840	16	115	2184	13
ARTELYS 460 0F2H1 4.5-2M			3620	30.5	118	4368	26
ARTELYS 460 0F2H1 4.5-3M			5420	44	123	6552	39
ARTELYS 460 0F2H1 4.5-4M			7010	57	122	8736	52
ARTELYS 460 0F2H1 4.7-1M	S05 STU-M STU-S SV TS	700	2370	21.5	110	2765	18
ARTELYS 460 0F2H1 4.7-2M			4630	40	115	5530	36
ARTELYS 460 0F2H1 4.7-3M			6890	58	118	8295	54
ARTELYS 460 0F2H1 4.7-4M			8810	76	115	11060	72
ARTELYS 460 0F3 4.5-1M	STE-M STE-S STW	525	2560	21.5	119	2950	17
ARTELYS 460 0F3 4.5-2M			5060	39	129	5900	34
ARTELYS 460 0F3 4.5-3M			7340	57	128	8850	51
ARTELYS 460 0F3 4.5-4M			9750	76	128	11800	68
ARTELYS 460 0F3 4.7-1M	STE-M STE-S STW	700	3200	28	114	3735	24
ARTELYS 460 0F3 4.7-2M			6400	52	123	7470	48
ARTELYS 460 0F3 4.7-3M			9230	76	121	11205	72
ARTELYS 460 0F3 4.7-4M			12300	102	120	14940	96



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)
ARTELYS 460 0F2H1 S 4.5-2M	S	525	3620	30.5	118	4368	26
ARTELYS 460 0F2H1 S 4.5-4M			7010	57	122	8736	52
ARTELYS 460 0F2H1 4.7-2M	S	700	4630	40	115	5530	36
ARTELYS 460 0F2H1 4.7-4M			8810	76	115	11060	72
ARTELYS 460 0F6 4.5-1M	OP-DX OP-SX	525	5060	39	129	5901	35
ARTELYS 460 0F6 4.5-2M			9750	76	128	11802	70

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

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

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

Values indicated in this technical sheet are to be considered rated values subject to a tolerance of +/-5%.



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)
ARTELYS 460 0F2H1 3.5-1M	S05 STU-M STU-S SV TS	525	1710	16	106	1990	13
ARTELYS 460 0F2H1 3.5-2M			3370	30.5	110	3980	26
ARTELYS 460 0F2H1 3.5-3M			5040	44	114	5970	39
ARTELYS 460 0F2H1 3.5-4M			6520	57	114	7960	52
ARTELYS 460 0F2H1 3.7-1M	S05 STU-M STU-S SV TS	700	2200	21.5	102	2520	18
ARTELYS 460 0F2H1 3.7-2M			4310	40	107	5040	36
ARTELYS 460 0F2H1 3.7-3M			6410	58	110	7560	54
ARTELYS 460 0F2H1 3.7-4M			8190	76	107	10080	72
ARTELYS 460 0F3 3.5-1M	STE-M STE-S STW	525	2380	21.5	110	2701	17
ARTELYS 460 0F3 3.5-2M			4710	39	120	5402	34
ARTELYS 460 0F3 3.5-3M			6830	57	119	8103	51
ARTELYS 460 0F3 3.5-4M			9070	76	119	10804	68
ARTELYS 460 0F3 3.7-1M	STE-M STE-S STW	700	2980	28	106	3420	24
ARTELYS 460 0F3 3.7-2M			5950	52	114	6840	48
ARTELYS 460 0F3 3.7-3M			8580	76	112	10260	72
ARTELYS 460 0F3 3.7-4M			11440	102	112	13680	96



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)
ARTELYS 460 0F2H1 S 3.5-2M	S	525	3370	30.5	110	3980	26
ARTELYS 460 0F2H1 S 3.5-4M			6520	57	114	7960	52
ARTELYS 460 0F2H1 3.7-2M	S	700	4310	40	107	5040	36
ARTELYS 460 0F2H1 3.7-4M			8190	76	107	11060	72
ARTELYS 460 0F6 3.5-1M	OP-DX OP-SX	525	4710	39	120	5190	35
ARTELYS 460 0F6 3.5-2M			9070	76	119	10380	70

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

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

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

Values indicated in this technical sheet are to be considered rated values subject to a tolerance of +/-5%.