

## ARMONIA MINI TRIO

### MAIN CHARACTERISTICS

<b>Applications</b>	Street and urban lighting.
<b>Optic</b>	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. Colour temperature: 4000K (3000K optional)   CRI ≥ 70 Photobiological safety class: EXEMPT GROUP LED source efficiency: 168 lm/W @ 525mA, Tj=85°C
<b>Insulation class</b>	II, I
<b>Protection degree</b>	IP66   IK08 total
<b>LED modules</b>	Removable/Replaceable
<b>Tilt angle</b>	0°
<b>Dimensions and weight</b>	Ø550x205mm – 10kg
<b>Side surface</b>	Side: 0.8m <sup>2</sup> – Top: 0.24m <sup>2</sup>
<b>Mounting</b>	Installation on brackets MA – MK/S – MP – MG (1/2" GAS)
<b>Gear tray</b>	Removable
<b>Operating temperature</b>	-40°C / +35°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

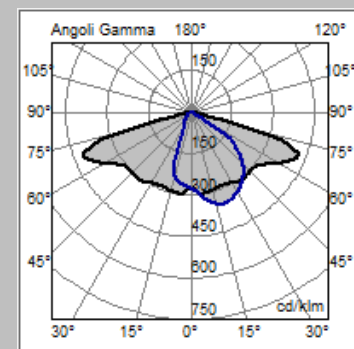
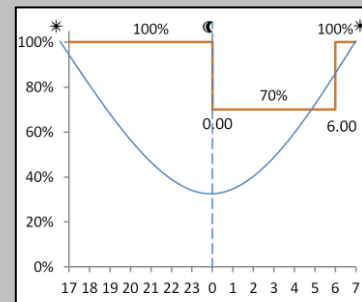
<b>Rated voltage</b>	220÷240V 50/60Hz
<b>Power factor</b>	>0,9 (at full load)
<b>On-load switch</b>	Included, with integrated cable clamp.
<b>Mains connection</b>	Connector for cables max section 4mm <sup>2</sup>
<b>Surge protection</b>	Up to 10kV   With SPD (optional) 10kV / 10kV CM/DM
<b>SPD (optional)</b>	10kV-10kA, type II, with LED signal and thermo fuse to disconnect load at the end of life.
<b>Control system (options)</b>	F: Fixed power not dimmerable. DA: Automatic dimming (virtual midnight) with default profile. DAC: Custom DA profile. FLC: Constant light flux. DALI: Digital dimming interface DALI.
<b>Optical unit lifetime (Tq=25°C, 700mA)</b>	>100.000hr L90B10 >100.000hr L90, TM-21

### MATERIALS

<b>Fixing</b>	Aluminum powder painted.
<b>Body</b>	Aluminum powder painted.
<b>Heatsink</b>	Extruded aluminum.
<b>Lower frame</b>	Die-cast aluminum UNI EN 1706 powder painted.
<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, 4mm thickness high transparency.
<b>Gasket</b>	EPDM
<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)
ARMONIA MINI 0F2H1 4.5-1M	S05	1840	16	115	2184	13
ARMONIA MINI 0F2H1 4.5-2M	STU-M STU-S	3620	30.5	118	4368	26
ARMONIA MINI 0F2H1 4.7-1M	S05	2370	21.5	110	2765	18
ARMONIA MINI 0F2H1 4.7-2M	STU-M STU-S	4630	40	115	5530	36
ARMONIA MINI 0F3 4.5-1M	STE-M	2560	21.5	119	2950	17
ARMONIA MINI 0F3 4.5-2M	STE-S STW	5060	39	129	5900	34
ARMONIA MINI 0F3 4.7-1M	STE-M	3200	28	114	3735	24
ARMONIA MINI 0F3 4.7-2M	STE-S STW	6400	52	123	7470	48

\*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%.

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



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)
ARMONIA MINI 0F2H1 3.5-1M	S05	1720	16	107	1990	13
ARMONIA MINI 0F2H1 3.5-2M	STU-M STU-S	3360	30.5	110	3980	26
ARMONIA MINI 0F2H1 3.7-1M	S05	2210	21.5	102	2520	18
ARMONIA MINI 0F2H1 3.7-2M	STU-M STU-S	4300	40	107	5040	36
ARMONIA MINI 0F3 3.5-1M	STE-M	2380	21.5	110	2701	17
ARMONIA MINI 0F3 3.5-2M	STE-S STW	4700	39	120	5402	34
ARMONIA MINI 0F3 3.7-1M	STE-M	2980	28	106	3420	24
ARMONIA MINI 0F3 3.7-2M	STE-S STW	5950	52	114	6840	48

\*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:  $\pm 5\%$ .

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