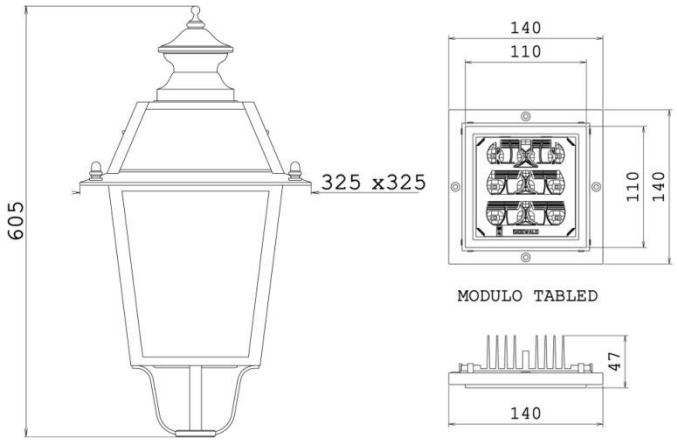
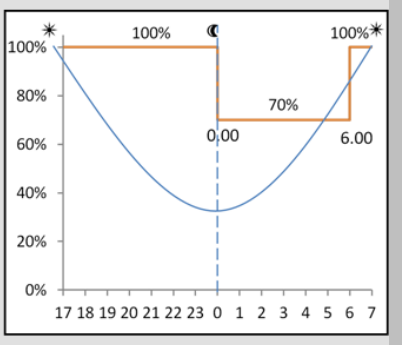
Product Sheet



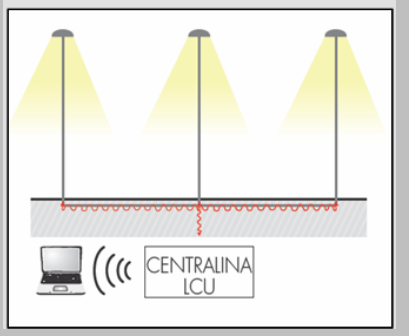
SI08 LED 0H

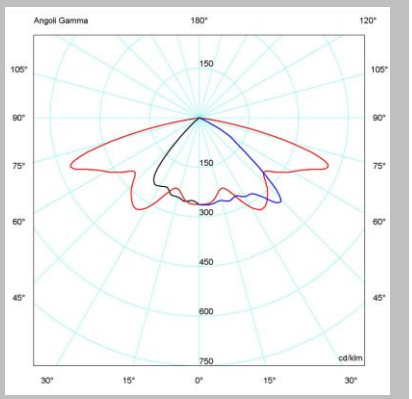
MAIN CHARACTERISTICS	
Applications	Urban lighting.
Optic	ST: Asymmetric optic for street lighting. OC: Asymmetric optic for pedestrian and cycle path lighting S: Symmetric optic for urban lighting. Colour temperature: 4000K (3000K optional) CRI typical: 75 Photobiological safety class: EXEMPT GROUP LED source efficiency:139 lm/W @ 525mA, Tj=85°C Photometrical classification: Cut-off.
Insulation class	II (I optional)
Protection degree	Optic compartment IP66
Tilt angle	0°
Mounting	Post-top or bracket installation Ø3/8" GAS
Gear tray	Removable
LED modules	Removable, mantaining IP degree of the optical unit.
Dimensions	325x325x605mm
Side surface	0.09m^2
Top surface	0.10m^2
Main reference standards	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3
CE EXEMPT GROUP	
ELECTRICAL CHARACTERISTICS	
Rated voltage	220÷240V 50/60Hz
LED current	525mA 700mA
Power factor	>0,9 (at full load)
Control system	F: Fixed output. DA: Automatic dimming with default profile. DAC: Custom DA profile. PLM: Single point communication module.
Surge protection	Pulse withstand CL.I: up to 10kV. Pulse withstand CL. II: from 5kV to 7kV
Connection	Connector for cables max section 2.5mm^2
Optical unit lifetime (Ta=25°C)	**525mA**
	>70.000hr B20L80 (including critical failures) >100.000hr L80, TM21
	700mA
	>60.000hr B20L80 (including critical failures) >100.000hr L80, TM21
MATERIALS	
Fixing	Steel
Body	Steel and aluminium
Heatsink	Extruded aluminium
Optic	Polycarbonate, metalized high efficiency
Screen	Flat tempered glass, 4mm thickness
Colour	Graphite (Cod. 01)

DA Profile



PLM





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

Product Sheet

The tables below describe the flux and output power of the available versions. These parameters are necessary in order to guarantee a correct comparison of the luminaire performance.
In particular, the luminaire efficiency (expressed in lm/W) must be calculated as the ratio between the output luminous flux of the luminaire and the power absorbed by the input power supply unit.
For the sake of completeness the tables also show the data of the nominal flux and power of the used LED.

LUMINAIRE FLUX[1] (Ta=25°C, 4000K, lm)			RATED LED FLUX[2] (Tj=85°C, 4000K, lm)	
N. LED	525mA	700mA	525mA	700mA
	ST Optic			
9	1200	1490	1809	2295
N.LED	OC/S Optic			
9	1150	1430		

RATED LUMINAIRE POWER[1] (Ta=25°C, Vin=230Vac, W) F and DA at full load			RATED LED POWER[2] (Tj=85°C, W)	
N. LED	525mA	700mA	525mA	700mA
9	15	20	13	22

LUMINAIRE EFFICACY (Ta=25°C, lm/W)				
N. LED	525mA	700mA	525mA	700mA
	ST Optic		OC/S Optic	
9	80	75	77	72

Note: The characteristics of the product listed above are subjected to change.
They will have to be confirmed in case of order.
Values indicated in this technical sheet are to be considered rated values subject to a tolerance of +/-5%.

1:Rated data obtained in laboratory
2:Rated data extrapolated from LED manufacturer datasheet.

*Multiplier to obtain the **flux** as a function of Ta and Tk.*

Ta(°C)	Multiplier
50	0,95
40	0,97
25	1,00
15	1,01
5	1,02
0	1,03
Tk(K)	**Multiplier**
3000	0.90
4000	1.00

*Multiplier to obtain the **power** as a function of Ta.*

Ta (°C)	Moltiplicatore
50	0,99
25	1,00
0	1,01

Legend:

Ta =Ambient temperature.

Tk = Colour temperature.

Example of luminaire data calculation
Ta=40°C
Tk=4000K
9 LED, 525mA ST Optic
Flux: 1200 x 0,97 = 1164 lm
Power: 15 x 0,99 = 14.8 W
Efficiency: 1164 / 14.8 = 79 lm/W