



Streetlight

PI

ICPI



Square Light Point made from extruded aluminum. Extremely robust and durable, its understated, modern design adapts to any urban environment. It features a Benito LED module at its end, with a power range from 20W to 40W, allowing it to meet any lighting requirement.

MAIN FEATURES:

High efficiency. Up to 145 lm/W real
18 different light distributions
Zhaga Standard (Book 15)
IP66 optical block

APPLICATIONS:

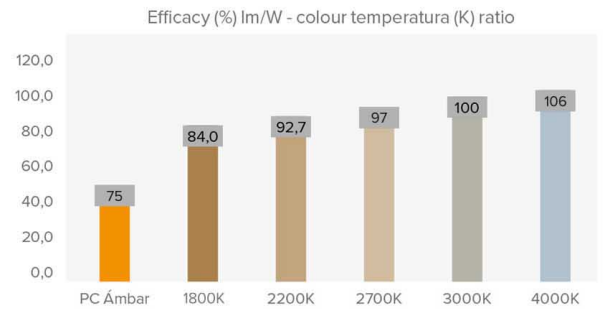
Historic Centers
Residential Streets (Zones 30)
Pedestrian Zones
Commercial and Tourist Streets
Squares
Green Areas; Parks and Gardens

SPECIFICATIONS :

Housing material:	Rolled steel tube (S235-JR) with a rectangular profile of 250mm x 150mm.
Diffuser (optic system enclosure):	Watertight PMMA lenses
Fixing elements:	18/8 Stainless Steel - AISI 304
Housing:	Built in one piece with a register for the BENITO -NOVATILU Module
Sealing gaskets:	Silicone (extrusion)
IP rating (luminaire):	
IP rating (optic system):	IP66
IK rating (impact resistance):	IK10
LEDs thermal dissipation:	Passive dissipation by convection and ensuring thermal contact of the LED modules through highly conductive thermal transfer material.
Anti-condensation valve:	Pressure compensation valve that ensures moisture evacuation, preventing condensation and maintaining the module's IP tightness rating.
Paint and finishes:	Galvanized and polyester powder coated, electrostatically sprayed, and oven sublimated. Corrosion resistant.
Colour:	Sablé Grey 900
Mounting:	Fixing using M18x500 bolts. 300mm x 300mm center to center template.
Tilt range:	Non-adjustable luminaire
Maintenance:	Replaceable modules: LEDs, Drivers, SPD.
Recommended mounting height:	4,5 m
Driver:	Dimmable and programmable constant current driver. Built into the luminaire, pre-wired on a steel plate. .
Flow Reduction:	Dimmable 0-10V Driver, programmable in 5 levels and with DALI 2 option. With the features of Wireless, AOC, MTP, DTL.
Ready4IOT - Connectivity:	
Surge protection device (SPD):	
DarkSky Approved	

TECHNICAL DATA:

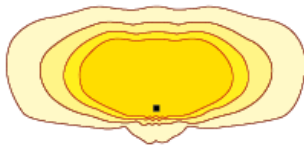
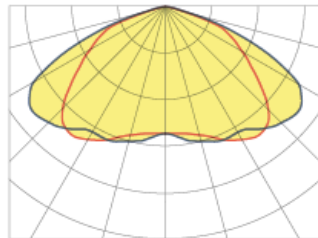
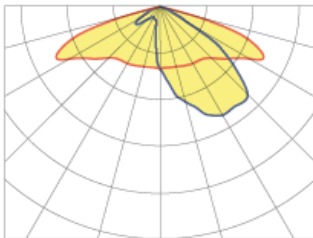
	REF.	N° LEDs	Power W	I Driver mA	Real luminous flux (T) =85°C		Initial luminous flux (T) =25°C	
					Flux lm	Efficacy lm/W	Flux lm	Efficacy lm/W
Farola PI	ICPI	16	20	375	2842	142	3240	162
		16	30	563	4260	142	4856	162
		16	40	750	5642	141	6432	161



PHOTOMETRY:

Asymmetric Extensive (AE)

Symmetric Square (S4)



*Show 4 recommended lighting distributions. Refer to the 18 typologies.

LEDs MODULE:

LEDs module:	BENITO Zhaga format with 8, 12, and 16 LEDs. Consult color temperatures, CRI, and light distributions.
Replaceable module:	Yeah
LED:	5050
Number of LEDs:	16
PCBs format:	2 Zhaga (Book 15) 2x4 o 2 Zhaga (Book 15) 2x8
LED nominal efficacy:	172
Colour temperature:	PC Amber, 2K2, 2K7, 3K, 4K, 5K
Colour rendering index CRI:	>70 (optional >80)
Average LED useful time L90B10:	L90B10 >100,000 hours

OPTIC SPECIFICATIONS:

Optic system:	PMMA 2x2 lenses
Light distributions:	
Upward light output ratio ULOR:	0%
Downward light output ratio DLOR:	100%
Glare index:	
Luminous intensity category:	
Luminous flux CIE n°3:	>95%
Photobiological safety:	RG0 (risk-free)
Initial luminous flux Tj=25°C (up to):	lm 6432
Initial luminaire efficacy Tj=25°C (up to):	lm/W 161
Real luminous flux Tj=85°C (UNE EN 13032-4) (up to):	lm 5642
Real luminaire efficacy Tj=85°C (UNE EN 13032-4) (up to):	lm/W 141

ELECTRIC SPECIFICATIONS:

Nominal maximum power (LEDs):	W 45
Maximum power consumed (luminaire):	W 40
Power range:	W 20 - 40W
Maximum current of LED:	mA <500 (<50% I _{max})
Power supply protection classes IEC:	Class I and II
Surge protection device (SPD):	
Common and differential mode protection (SPD) Udc:	kV 10 y NTC opcional
Max current (8/20) (SPD):	kA 20
Thermal phase disconnection (SPD):	
Input voltage:	Vac 220-240
Input voltage (max rate):	Vac 198-264
Input frequency:	Hz 47-63
Starting current:	A <65
Duration of the starting voltage peak:	ms <0,3
Driver efficacy:	>90%
Power factor 100% consumption:	>0,98
Power factor 50% consumption:	>0,95
Total harmonic distortion (THD):	<10
Power consumption on standby mode:	W <0.4
Energy class:	A++ IPEA>1.15

OPERATING CONDITIONS:

Average LED useful time L90B10:	hours >100.000
Average driver useful life to Tp <70°C:	hours 100.000
Average luminaire useful life L90B10 (TM-21):	hours
Ambient temperature (Ta):	°C de -35°C a +50°C
Aerodynamic resistance (CxS):	m2
Vibration test (15Hz 3 axis):	
Wind load test:	29
Guarantee:	Years

PACKAGING DIMENSIONS:

Net weight	kg
Gross weight	kg
Luminaire dimensions (LxWxH)	mm
Packaging dimensions (LxWxH)	mm
Pieces per box	
Quantity per container 20ft	
Quantity per container 40ft	

CERTIFICATES:

Security certificates:	EMC certificates:	Other certifications:
EN 40 / EN 62031 / EN 62493 / EN 62471 / IEC 62778 / EN 61247-2-13	EN 55015 / EN 61547 / EN 61000-3-2 / EN 61000-3-3 / EN 61347-2-13 / EN 61347-1 / EN 62384	IEC 62262 / EN 13032-4 / EN 62717 / EN 6272-1 / EN 6272-2-1 / EN 61643-11