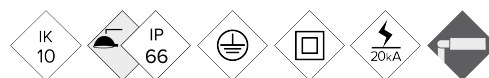




Light point

PI
ICPI



Light point with cylindrical design made of rolled steel of rectangular section 250mm x 150mm. High robustness and durability. Its simple yet modern design adapts to any kind of urban environment. Includes a BENITO LEDs module with high distributions from 20W to 120W to cover all applications.

MAIN FEATURES:

High efficiency. Up to 145 lm/W real
2 different sizes. From 20W to 120W
18 different light distributions
Zhaga standard (Book 15)
IP66 optical compartment

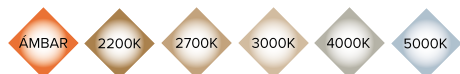
APPLICATIONS:

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

SPECIFICATIONS :

Housing material:	
Diffuser (optic system enclosure):	
Fixing elements:	
Housing:	
Sealing gaskets:	
IP rating (luminaire):	
IP rating (optic system):	IP66
IK rating (impact resistance):	IK10
LEDs thermal dissipation:	
Anti-condensation valve:	
Paint and finishes:	
Colour:	
Mounting:	
Tilt range:	
Maintenance:	
Recommended mounting height:	4,5 m
Driver:	
Ready4IOT - Connectivity:	
Surge protection device (SPD):	

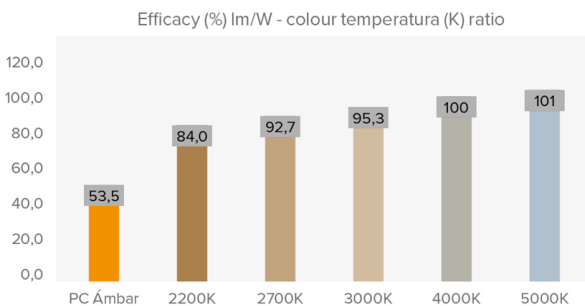
V. 2024-05-15 | The constant improvement and evolution of our products may result in some modifications of the technical specifications and characteristics of the products without prior notice.



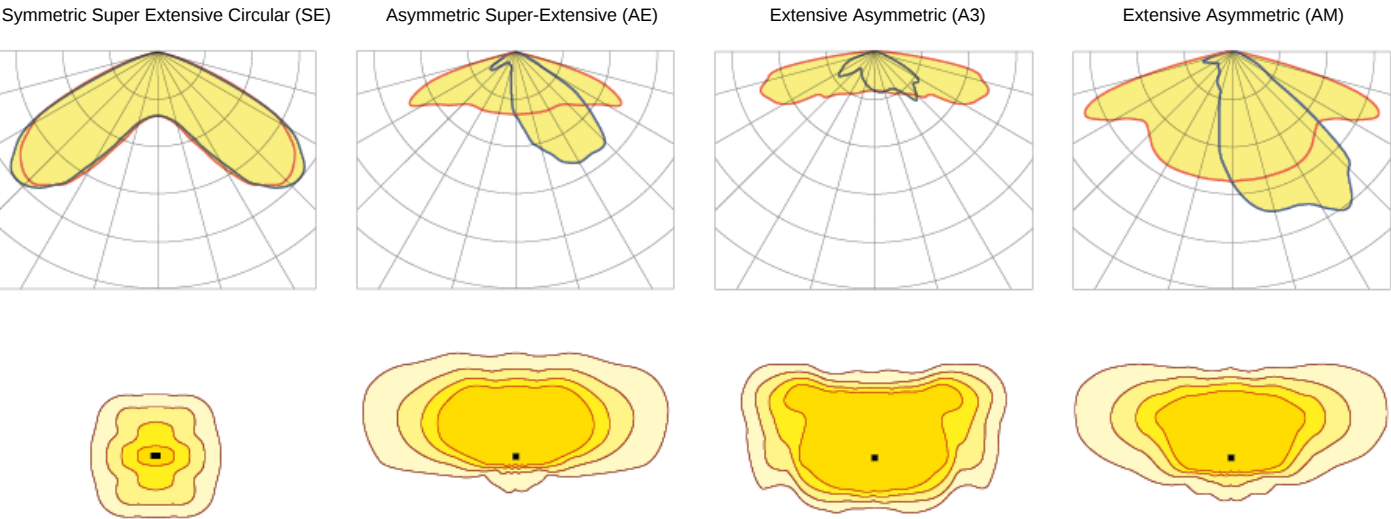
TECHNICAL DATA:

	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
		16	50	938	7055	141	8043	161

Luminous flux and efficiency at 4000°K and CRI>70.
Luminous flux tolerance < +/-3%.
Values may be subject to changes due to LED binning.



PHOTOMETRY:



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

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LEDs MODULE:

LEDs module:

Replaceable module:

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:

Colour rendering index CRI:

Average LED useful time L90B10: L90B10 >100.000 horas

OPTIC SPECIFICATIONS:

Optic system:

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:

Initial luminous flux Tj=25°C (up to): lm 8043

Initial luminaire efficacy Tj=25°C (up to): lm/W 162

Real luminous flux Tj=85°C (UNE EN 13032-4) (up to): lm 7055

Real luminaire efficacy Tj=85°C (UNE EN 13032-4) (up to): lm/W 142

ELECTRIC SPECIFICATIONS:

Nominal maximum power (LEDs): W 45

Maximum power consumed (luminaire): W 50

Power range: W 20 - 50W

Maximum current of LED: mA <500 (<50% I_{max})

Power supply protection classes IEC:

Surge protection device (SPD):

Common and differential mode protection (SPD) Udc: kV 10 y NTC optional

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: >100.000

Average driver useful life to Tp <70°C: 100.000

Average luminaire useful life L90B10 (TM-21):

Ambient temperature (Ta): °C de -35°C a +50°C

Aerodynamic resistance (CxS): m2

Vibration test (15Hz 3 axis):

Wind load test: 29

Guarantee:

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 55015 / EN 61547 / EN 61000-3-2 / EN 61000-3-3 / IEC 62262 / EN 13032-4 / EN 62717 / EN 6272-1 / EN 6272-2-1 / EN 61643-11

EN 61347-2-13 / EN 61347-1 / EN 62384