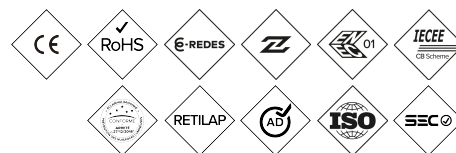
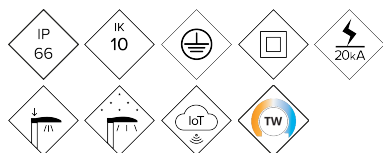


ILCZC

Luminaire

CITIZEN COMFORT



Decorative or functional luminaire ideal for residential areas (green spaces, pedestrian areas, parks...). Extensive optical and light distributions, glare control and cut-off suitable for pedestrians. Excellent relation between efficiency and cost.

MAIN FEATURES:

High efficiency. Up to 142 lm/W real
From 20W to 80W
Comfortable lighting, glare reduction
Exclusive Design
18 different light distributions
Zhaga Standard (Book 15)
Ready 4IoT. Ready for connectivity

APPLICATIONS:

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

[Project sheet](#) | [CAD](#) | [Mounting instructions](#) | [BIM](#) | [HD image](#)

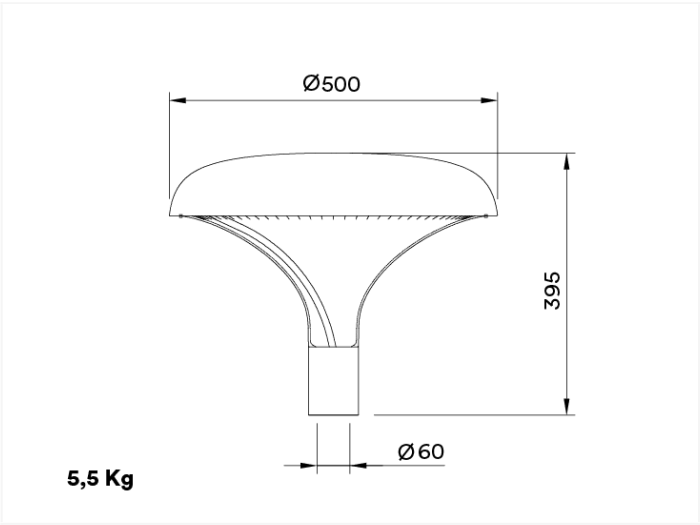
BENITO

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SPECIFICATIONS :

Housing material:	Die-cast aluminium casting of type EN AC-43000, EN AC-43100, EN AC-43400, EN AC-44100, EN AC-47100 according to standard UNE EN 1706.
Diffuser (optic system enclosure):	High quality, ultra-clear polycarbonate diffuser for life.
Fixing elements:	18/8 Stainless Steel - AISI 304
Housing:	Lightweight polycarbonate structure with an aluminum cover that houses the LED module and the driver.
Sealing gaskets:	Silicone Foam
IP rating (luminaire):	IP66
IP rating (optic system):	IP66
IK rating (impact resistance):	IK10
LEDs thermal dissipation:	Heat dissipation through the luminaire body, without external fins or conductive fluids. Passive heat dissipation through convection, ensuring thermal contact between the LED modules through highly conductive heat transfer material.
Anti-condensation valve:	
Paint and finishes:	Polyester powder coating, electrostatically sprayed and oven-sublimated. Corrosion-resistant.
Colour:	RAL 9006 color and other colors on request
Mounting:	Top fixing Ø60mm
Tilt range:	-
Maintenance:	IP67 Quick Connector, Replaceable modules: LEDs, Drivers, SPD.
Recommended mounting height:	3 - 6 m
Driver:	Dimmable and programmable constant-current driver. Built into the luminaire, pre-wired.
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:	- Autonomous multiple-level dimming or virtual midnight - Ready4IoT - Dimming by main voltage - Line switch
Surge protection device (SPD):	Type 2, 10-20kV and 20kA transient surge protector. Series connection with thermofuse disconnecter for a more effective protection at the end of its service life
DarkSky Approved	

DRAWING:



INSTALLATION:

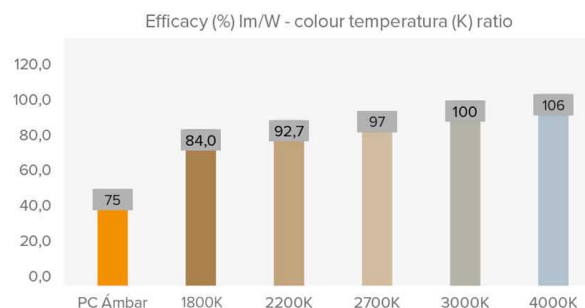


V. 2026-06-11 | The constant improvement and evolution of our products may result in some modifications of the technical specifications and characteristics of the products without prior notice.

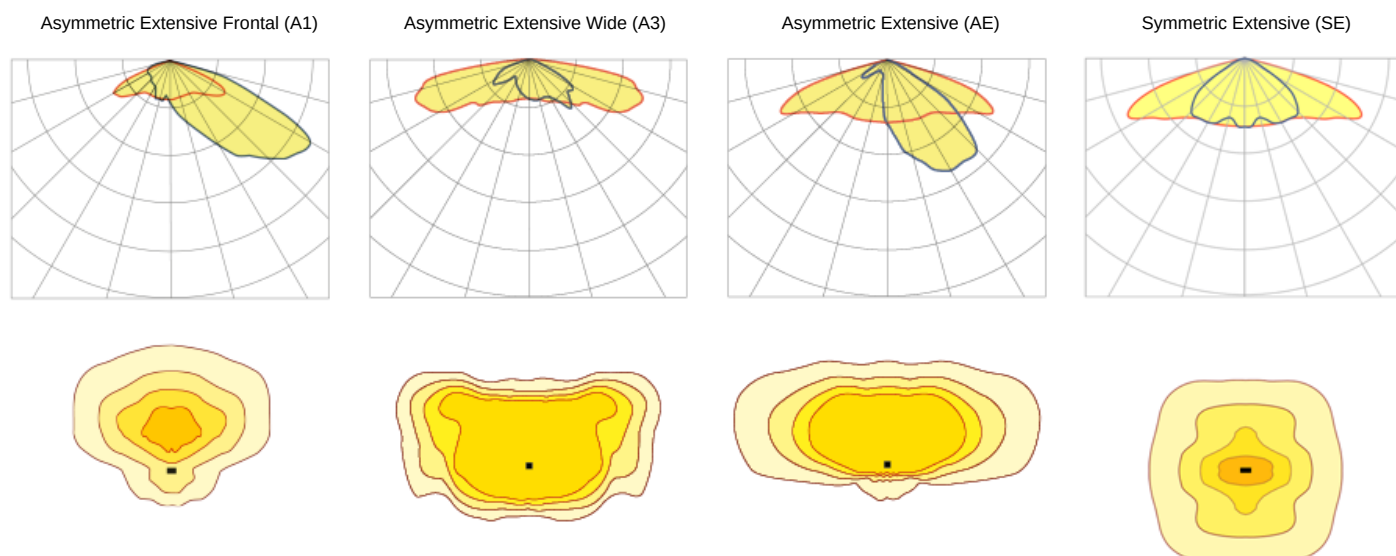
TECHNICAL DATA:

	REF.	Nº 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
CITIZEN SOFT	ILCZ1	16	20	375	2842	142	3240	162
		16	30	563	4242	141	4836	161
		16	40	750	5600	140	6384	160
		32	40	375	5680	142	6475	162
		32	60	563	8400	140	9576	160
		32	80	750	11040	138	12586	157

Luminous flux and efficiencies at 3000K and CRI>70 – Tolerance $\pm 3\%$
Approved by DarkSky with 3000K or lower



PHOTOMETRY:



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

LEDs MODULE:		
LEDs module:	BENITO Zhaga format with 8 and 16 LEDs. Consult color temperatures, CRI, and light distributions.	
Replaceable module:	YEAH	
LED:	5050	
Number of LEDs:	16 - 32	
PCBs format:	2 o 4 Zhaga (Book 15) 2x4	
LED nominal efficacy:	172 lm/W	
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:	18 light distribution curves	
Upward light output ratio ULOR:	<1%	
Downward light output ratio DLOR:	>99%	
Glare index:	Between D5 and D6 (depending on the light distribution)	
Luminous intensity category:	Between G*4 and G*6 (depending on the light distribution)	
Luminous flux CIE n°3:	>95%	
Photobiological safety:	RG0 (risk-free)	
Initial luminous flux Tj=25°C (up to):	lm	10069
Initial luminaire efficacy Tj=25°C (up to):	lm/W	130
Real luminous flux Tj=85°C (UNE EN 13032-4) (up to):	lm	7507
Real luminaire efficacy Tj=85°C (UNE EN 13032-4) (up to):	lm/W	114 (Rendimiento = 82.6 % lm/W (Real 85°C) ÷ lm/W (Nominal Led))

ELECTRIC SPECIFICATIONS:		
Nominal maximum power (LEDs):	W	72
Maximum power consumed (luminaire):	W	80
Power range:	W	20-80W
Maximum current of LED:	mA	<400 (<50% I _{max})
Power supply protection classes IEC:	Class I and II	
Surge protection device (SPD):	Type 2, 10-20kV and 20kA transient surge protector. Series connection with thermofuse disconnecter for a more effective protection at the end of its service life.	
Common and differential mode protection (SPD) Udc:	kV	10 con NTC opcional
Max current (8/20) (SPD):	kA	20
Thermal phase disconnection (SPD):	Yes	
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:	C (According to EU Regulation 2019/2015 EPREL) - 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	72.167
Ambient temperature (Ta):	°C	de -35°C a +50°C
Aerodynamic resistance (CxS):	m2	0,082
Vibration test (15Hz 3 axis):		
Guarantee:	years	5 years (extensible up to 10 years)

PACKAGING DIMENSIONS:		
Net weight	kg	5,5
Gross weight	kg	7
Luminaire dimensions (LxWxH)	mm	500x500x395
Packaging dimensions (LxWxH)	mm	
Pieces per box		1
Quantity per container 20ft		
Quantity per container 40ft		

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

Company Certifications



BENITO

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