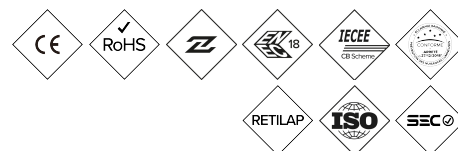
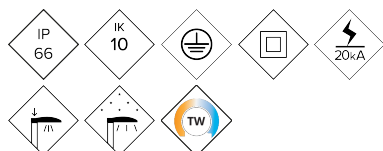


ILIS

Luminaire

ISABELINA



Classic decorative luminaire with an exclusive design including all necessary technical details for LED technology. Ideal for historical places and urban areas such as roads and squares. Ready for any intelligent lighting control solutions.

MAIN FEATURES:

High efficiency. Up to 134 lm/W actual.
From 20W to 80W
18 Different light distributions
Zhaga Standard (Book 15)
Tempered glass with silicone sealing gasket to achieve an IP66 rating
Tool-Free Opening

APPLICATIONS:

Residential Streets
Historic Centers
Green Areas
Pedestrian Walkways and Ramblas

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

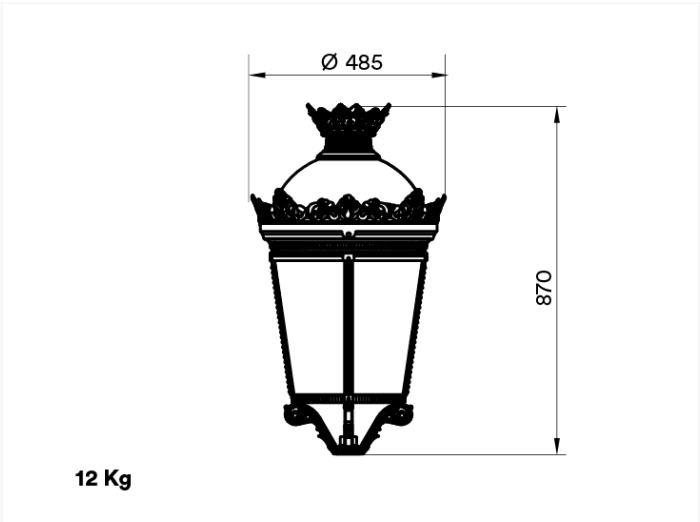
BENITO

info@benito.com
tel. 93 852 1000

SPECIFICATIONS :

Housing material:	High-strength aluminum injection-molded body. Type EN AC-43000, EN AC-43100, EN AC-43400, EN AC-44100, EN AC-47100 according to UNE EN 1706 standard.
Diffuser (optic system enclosure):	4mm tempered glass. Filters UV rays. Transparent diffusers included.
Fixing elements:	18/8 Stainless Steel - AISI 304
Housing:	It consists of three parts: The upper body, which houses the BENITO LED module, the driver, and the control electronics. The trapezoidal central block. The mounting bracket.
Sealing gaskets:	Silicone (extrusion)
IP rating (luminaire):	IP66
IP rating (optic system):	IP66
IK rating (impact resistance):	IK10
LEDs thermal dissipation:	High-efficiency heatsink with a large dissipation surface, thanks to the anodized aluminum finned radiator. Passive convection cooling ensures thermal contact between the LED modules via a high-conductivity thermal transfer material.
Anti-condensation valve:	Pressure compensation valve that ensures the evacuation of moisture, preventing condensation, maintaining the IP rating of the module.
Paint and finishes:	Polyester powder coating, electrostatically sprayed and oven-sublimated. Corrosion resistant.
Colour:	Micro-textured black. Other colors and finishes are available upon request.
Mounting:	Fixing via 3/4" GAS fitting. Optional Ø60mm accessory not supplied.
Tilt range:	Non-adjustable luminaire
Maintenance:	Manual opening without tools, using a threaded acorn; Replaceable modules: LEDs, Drivers, SPD.
Recommended mounting height:	3 - 7 m
Driver:	Adjustable and programmable constant current driver. Integrated within the luminaire, pre-wired on a steel plate. .
Flow Reduction:	Adjustable driver 0-10V, programmable in 5 levels and with DALI 2 option. With Wireless, AOC, MTP, and DTL features.
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:



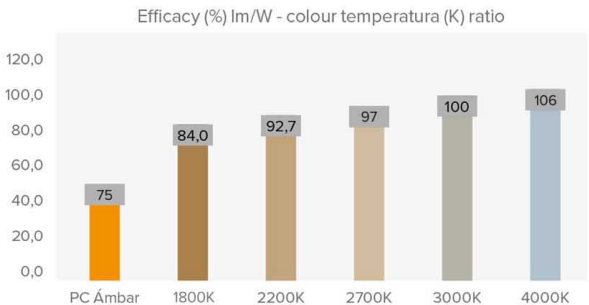
INSTALLATION:



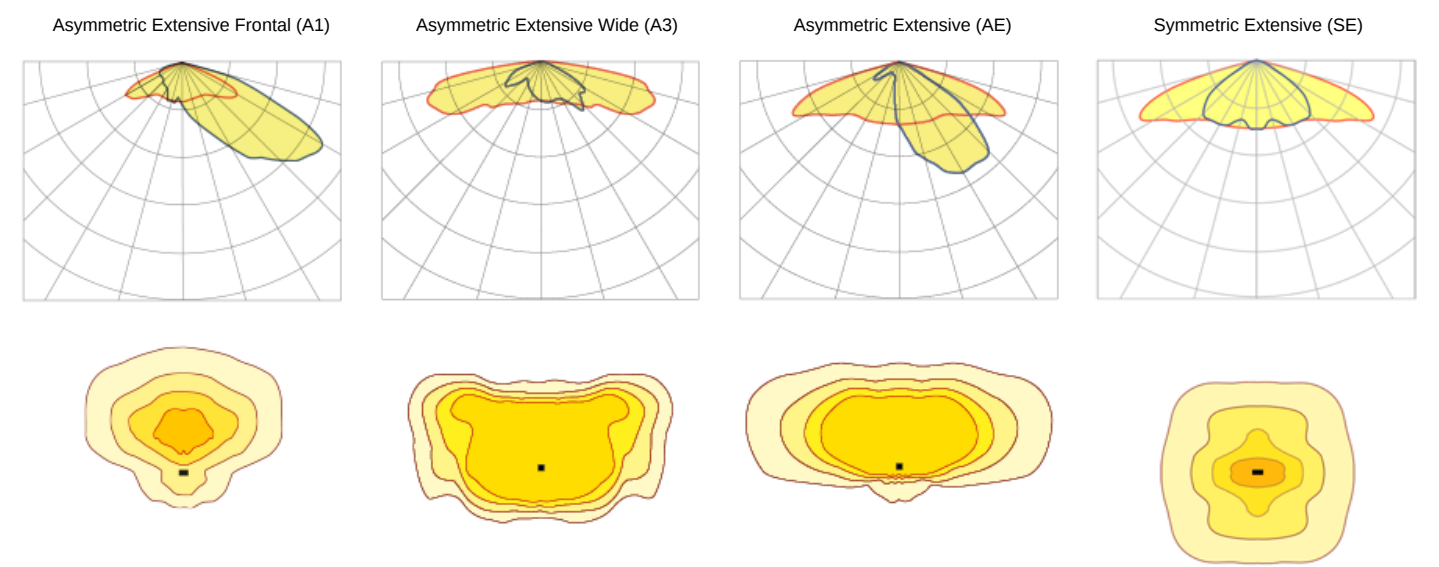
TECHNICAL DATA:

	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
Isabelina	ILIS	16	20	375	2600	130	2964	148
		16	30	563	3900	130	4446	148
		16	40	750	5160	129	5882	147
		16	60	1125	7680	128	8755	146
		32	80	750	10400	130	11856	148
		32	100	938	12900	129	14706	147

Luminous flux and efficiency at 3000K and CRI>70 – Tolerance ± 3%



PHOTOMETRY:



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

V. 2025-12-17 | 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.

LEDs MODULE:		
LEDs module:	BENITO Zhaga format with 16 or 32 LEDs. Consult for Color Temperatures, CRI and Light Distributions	
Replaceable module:	Yeah	
LED:	5050	
Number of LEDs:	16 /32	
PCBs format:	2x Zhaga (Book 15) 2x4 or 2x 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 lenses 2x2	
Light distributions:	18 light distribution curves	
Upward light output ratio ULOR:	0%	
Downward light output ratio DLOR:	100%	
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	14706
Initial luminaire efficacy Tj=25°C (up to):	lm/W	148
Real luminous flux Tj=85°C (UNE EN 13032-4) (up to):	lm	12900
Real luminaire efficacy Tj=85°C (UNE EN 13032-4) (up to):	lm/W	130

ELECTRIC SPECIFICATIONS:		
Nominal maximum power (LEDs):	W	73
Maximum power consumed (luminaire):	W	80
Power range:	W	20 - 80W
Maximum current of LED:	mA	<500 (<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 and optional NTC
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 T _p <70°C:	hours	100,000
Average luminaire useful life L90B10 (TM-21):	hours	
Ambient temperature (Ta):	°C	From -35°C to +50°C
Aerodynamic resistance (CxS):	m2	0.15
Vibration test (15Hz 3 axis):		
Guarantee:	Years	5 years (extensible up to 10 years)

PACKAGING DIMENSIONS:		
Net weight	kg	12
Gross weight	kg	15
Luminaire dimensions (LxWxH)	mm	485x870
Packaging dimensions (LxWxH)	mm	500x500x910
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 61247-2-16
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 61643-14

Company Certifications



BENITO

info@benito.com
tel. 93 852 1000