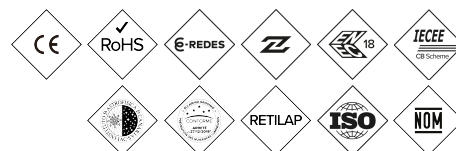
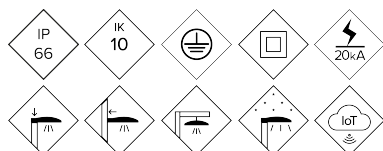


ILVL

Luminaire

VIALIA LIRA



Classic residential luminaire ideal for urban residential areas (roads, squares, green spaces...). Compact profile and internal LED cooling system. Mounting by means of a ball joint system, vertical fixing bracket or suspended. Power up to 100W thanks to its high dissipation capacity. High resistance and reliability. Ready for any intelligent lighting control solutions.

MAIN FEATURES:

High efficiency. Up to 142 lm/W real
Easy opening without tools
18 different light distributions
Zhaga Standard (Book 15)
Ready 4IoT. Ready for connectivity

APPLICATIONS:

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

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

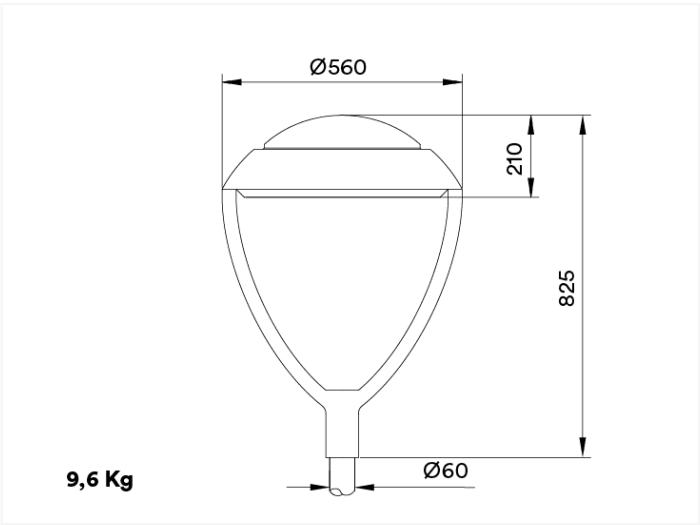
BENITO

info@benito.com
tel. 93 852 1000

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):	5mm tempered glass. Filters UV rays.
Fixing elements:	18/8 Stainless Steel - AISI 304
Housing:	A voluminous luminaire composed of an upper body and a closing ring with a diffuser. It includes a die-cast aluminum ball joint.
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 internal BENITO-NOVATILU module without conductive fluids. Passive heat dissipation by convection, ensuring thermal contact between the LED modules through highly conductive heat transfer material.
Anti-condensation valve:	LED module equipped with a pressure compensation valve that ensures moisture evacuation, preventing condensation and maintaining the luminaire's IP rating.
Paint and finishes:	Polyester powder coating, electrostatically sprayed and oven-sublimated. Corrosion-resistant.
Colour:	Micro textured black color and other colors upon request
Mounting:	Top fixing Ø60mm
Tilt range:	Non-adjustable luminaire
Maintenance:	Easy to open without any special tools. Replaceable modules: LEDs, drivers, SPDs.
Recommended mounting height:	4 - 6 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 characteristics 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:

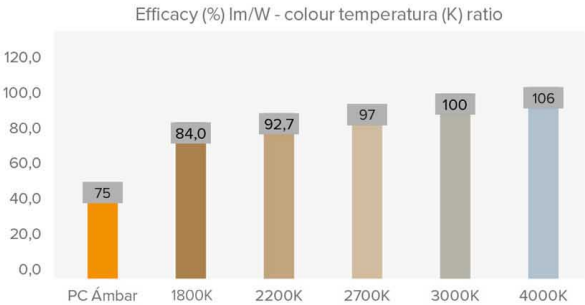


TECHNICAL DATA:

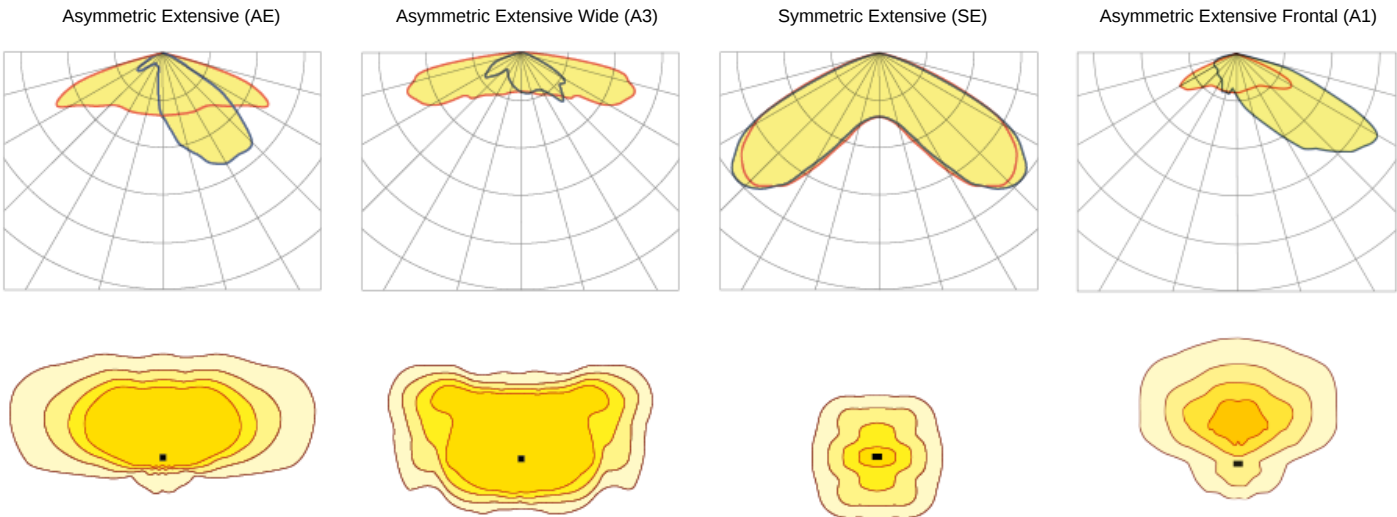
Vialia Lira

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
ILVL60	16	20	375	2842	142	3240	162
	16	40	750	5642	141	6432	161
	16	60	1125	8400	140	9576	160
ILVL120	32	60	563	8520	142	9713	162
	32	80	750	11280	141	12859	161
	32	100	938	14000	140	15960	160

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



PHOTOMETRY:



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

V. 2025-12-12 | 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 8, 12, and 16 LEDs. Consult color temperatures, CRI, and light distributions.		
Replaceable module:	Yeah		
LED:	5050		
Number of LEDs:	16-32		
PCBs format:	2 Zhaga (Book 15) 2x4 or 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:	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	15960	
Initial luminaire efficacy Tj=25°C (up to):	lm/W	162	
Real luminous flux Tj=85°C (UNE EN 13032-4) (up to):	lm	14000	
Real luminaire efficacy Tj=85°C (UNE EN 13032-4) (up to):	lm/W	142	

ELECTRIC SPECIFICATIONS:

Nominal maximum power (LEDs):	W	90
Maximum power consumed (luminaire):	W	100
Power range:	W	20 - 100W
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) U _{dc} :	kV	10 and optional NTC
Max current (8/20) (SPD):	kA	20
Thermal phase disconnection (SPD):	Yes	
Input voltage:	V _{ac}	220-240
Input voltage (max rate):	V _{ac}	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	
Ambient temperature (Ta):	°C	From -35°C to +50°C
Aerodynamic resistance (CxS):	m2	0.1
Vibration test (15Hz 3 axis):		
Guarantee:	years	5 years (extensible up to 10 years)

PACKAGING DIMENSIONS:

Net weight	kg	13
Gross weight	kg	14.5
Luminaire dimensions (LxWxH)	mm	560x560x825
Packaging dimensions (LxWxH)	mm	
Pieces per box		1
Quantity per container 20ft		
Quantity per container 40ft		

CERTIFICATES:

Security certificates:	EN 60598-1 / EN 60598-2-3 / EN 62493 / IEC 62471		
EMC certificates:	EN 55015 / 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

info@benito.com
tel. 93 852 1000