ILVS

Luminaire

VIALIA SUSPENDED



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:

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

Project sheet | CAD | Mounting instructions | HD image

BENITO

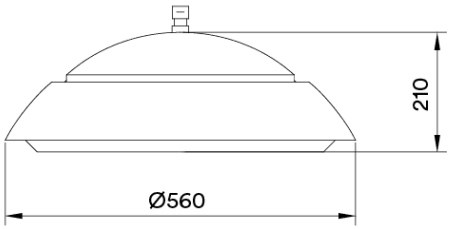
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SPECIFICATIONS :

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):	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:	Suspended Fixing Ø28mm Optionally catenary adapter
Tilt range:	Non-adjustable luminaire
Maintenance:	Easy to open without any special tools. Replaceable modules: LEDs, drivers, SPDs.
Recommended mounting height:	4 - 8 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 disconnector for a more effective protection at the end of its service life
DarkSky Approved	

DRAWING:



9,6 Kg

INSTALLATION:



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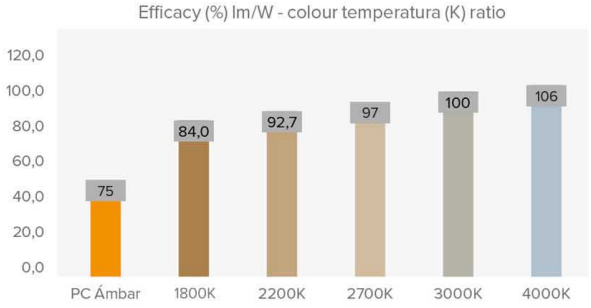
Ámbar 2200 K 2700 K 3000 K 4000 K 5000 K

lm/€ TRIPLE PROTECTION

TECHNICAL DATA:

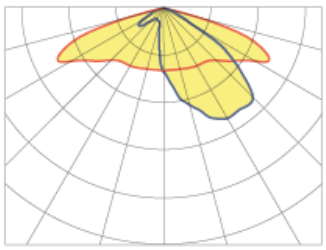
	REF.	Nº LEDs	Power W	I Driver mA	Real luminous flux (T) =85ºC) Flux lm	Real luminous flux (T) =85ºC) Efficacy lm/W	Initial luminous flux (T) =25ºC) Flux lm	Initial luminous flux (T) =25ºC) Efficacy lm/W
Vialia Suspendida	ILVS60	16	20	375	2842	142	3240	162
		16	40	750	5642	141	6432	161
		16	60	1125	8400	140	9576	160
	ILVS120	32	60	563	8520	142	9713	162
		32	80	750	11280	141	12859	161
		32	100	938	14000	140	15960	160

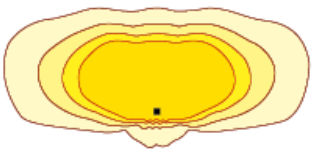
Luminous flux and efficiencies at 3000K and CRI>70 – Tolerance ± 3%



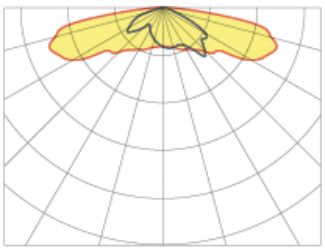
PHOTOMETRY:

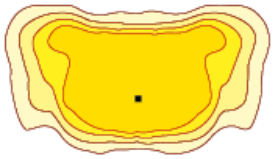
Asymmetric Extensive (AE)



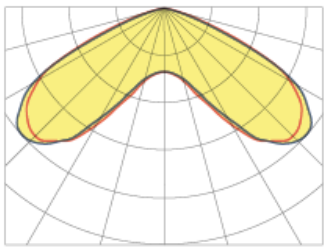


Asymmetric Extensive Wide (A3)



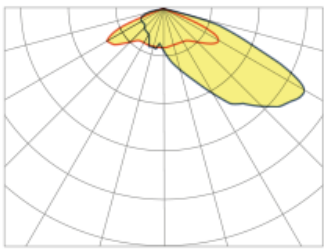


Symmetric Extensive (SE)





Asymmetric Extensive Frontal (A1)





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

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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 nº3:		>95%
Photobiological safety:		RG0 (risk-free)
Initial luminous flux Tj=25ºC (up to):	lm	15960
Initial luminaire efficacy Tj=25ºC (up to):	lm/W	162
Real luminous flux Tj=85ºC (UNE EN 13032-4) (up to):	lm	14000
Real luminaire efficacy Tj=85ºC (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% Imax)
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 disconnector 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 frecquency:	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 <70ºC:	hours	100,000
Average luminaire useful life L90B10 (TM-21):	hours	
Ambient temperature (Ta):	ºC	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	11.5
Gross weight	kg	13
Luminaire dimensions (LxWxH)	mm	560x560x210
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

ISO 9001 ISO 50001 ISO 14001 ISO 45001

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