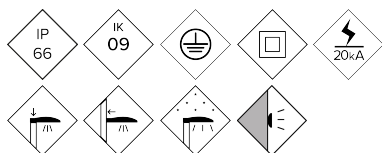


APUXL

Floodlight UFO XL



Flat floodlight with low wind resistance. Comprehensive range available in two sizes with extensive optical and light distributions from 50W up to 150W to cover all applications. Can be tilted in all directions thanks to its fixing bracket. Ready for any intelligent lighting control solutions.

MAIN FEATURES:

High efficiency. Up to 140 lm/W real
2 different sizes. From 50W to 150W
Fixing by lyre. Optionally suspended or catenary.
18 different light distributions
Zhaga Standard (Book 15)

APPLICATIONS:

Tunnels and Underground Passages
Roundabouts
Parking
Sports Facilities: Pavilions, Multi-Sport Courts,
Tennis, Paddle Tennis
Industrial Warehouses and Warehouses
Gas stations

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

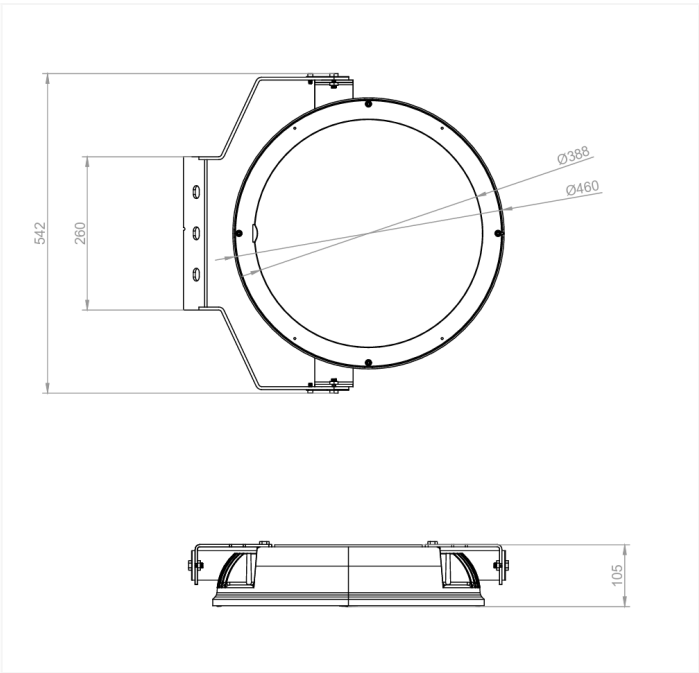
BENITO

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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. UV filtering.
Fixing elements:	18/8 Stainless Steel - AISI 304
Housing:	Single cavity for LEDs. IP68 external driver.
Sealing gaskets:	Silicone Foam
IP rating (luminaire):	IP66
IP rating (optic system):	IP66
IK rating (impact resistance):	IK09
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:	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:	RAL 9007 color and other colors on request
Mounting:	Steel lyre
Tilt range:	Adjustable Floodlight from -120° to 120° inclination
Maintenance:	Access to the external driver without having to open the Floodlight 's LED module. Replaceable modules: LEDs, drivers, SPD.
Recommended mounting height:	8 - 14 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 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:

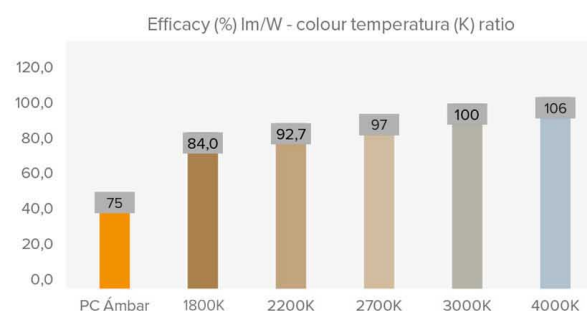


INSTALLATION:



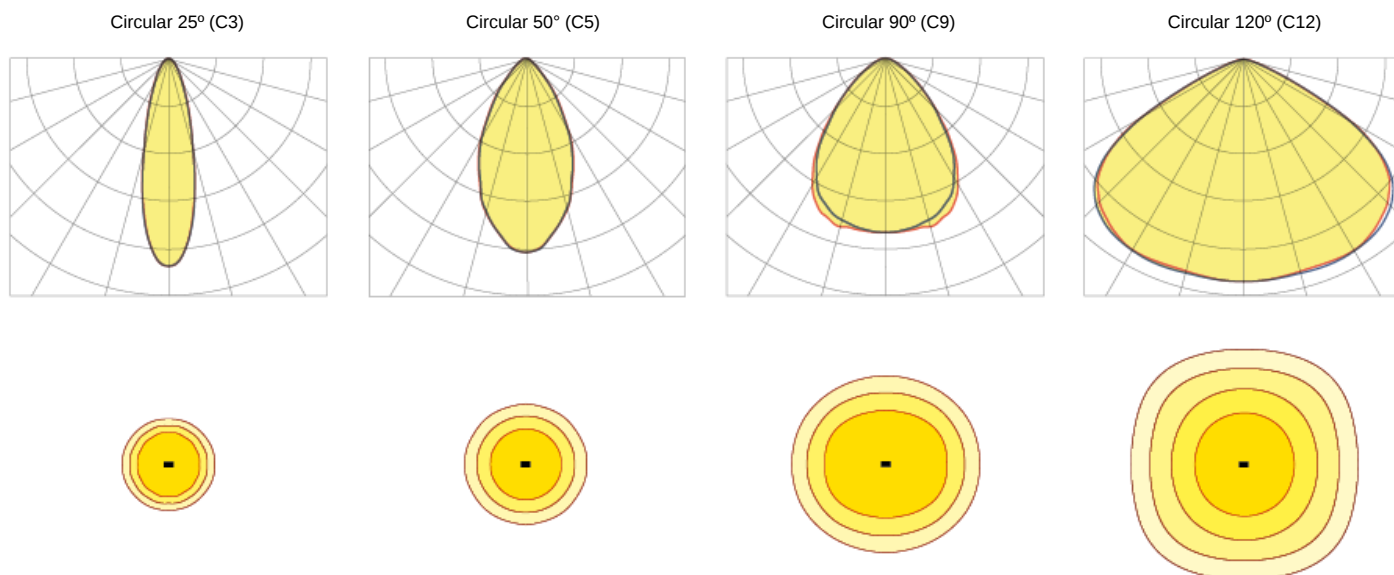
TECHNICAL DATA:

	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
Ufo XL	APUXL	48	100	625	14200	142	16188	162
		48	120	750	16920	141	19289	161
		48	150	938	21150	141	24111	161



Luminous flux and efficiencies at 3000K and CRI>70 – Tolerance $\pm 3\%$

PHOTOMETRY:



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

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:	64		
PCBs format:	4 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	24111	
Initial luminaire efficacy Tj=25°C (up to):	lm/W	162	
Real luminous flux Tj=85°C (UNE EN 13032-4) (up to):	lm	21150	
Real luminaire efficacy Tj=85°C (UNE EN 13032-4) (up to):	lm/W	142	

ELECTRIC SPECIFICATIONS:

Nominal maximum power (LEDs):	W	36	
Maximum power consumed (luminaire):	W	150	
Power range:	W	80 -150W	
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 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	72,167
Ambient temperature (Ta):	°C	From -35°C to +50°C
Aerodynamic resistance (CxS):	m2	0.048
Vibration test (15Hz 3 axis):		
Guarantee:	years	5 years (extensible up to 10 years)

PACKAGING DIMENSIONS:

Net weight	kg	9.5
Gross weight	kg	11
Luminaire dimensions (LxWxH)	mm	460x460x104
Packaging dimensions (LxWxH)	mm	
Pieces per box		1
Quantity per container 20ft		
Quantity per container 40ft		

CERTIFICATES:

Security certificates:	EN 60598-1 / EN 60598-2-5 / EN 62493 / IEC 62472
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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