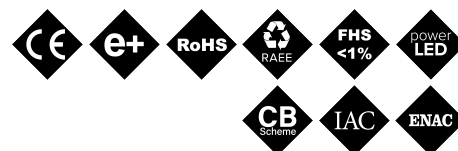
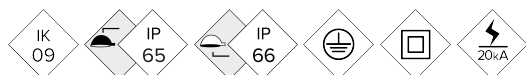


APUXL

# 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 efficacy. Up to 140 lm/W net  
2 different sizes. From 50W to 150W  
Mounting by means of a fixing bracket. Optional: suspended or catenary  
18 light distribution curves  
Zhaga Standard (Book 15)

## APPLICATIONS:

Tunnels and Underpasses  
Roundabouts  
Car Parks  
Sports Facilities; Sports Halls, Sports Courts,  
Tennis, Padel  
Industrial Warehouses  
Petrol Stations

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

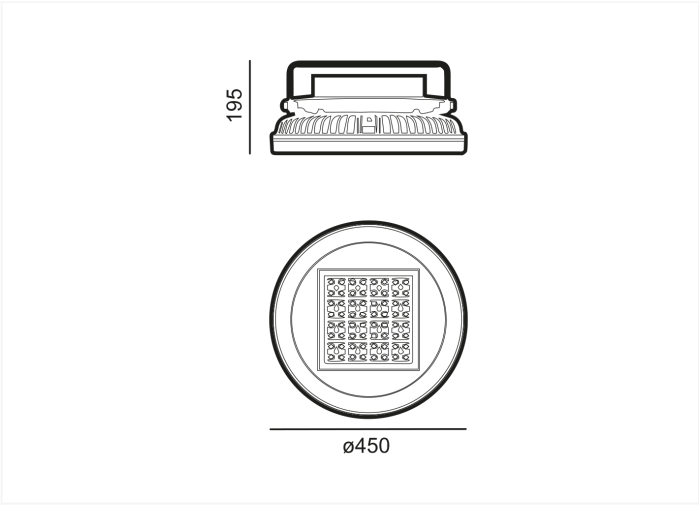
# BENITO

info@benito.com  
tel. 93 852 1000

SPECIFICATIONS :

Housing material:	High pressure die-cast aluminium EN AC-43000, EN AC-43100, EN AC-43400, EN AC-44100, EN AC-47100 according to the UNE EN 1706 standard
Diffuser (optic system enclosure):	5mm tempered safety glass. UV filter
Fixing elements:	Stainless steel 18/8 - AISI 304
Housing:	Single compartment for LEDs. IP68 external driver
Sealing gaskets:	Silicone foam.
IP rating (luminaire):	IP65
IP rating (optic system):	IP66
IK rating (impact resistance):	IK09
LEDs thermal dissipation:	Thermal dissipation through finless luminaire body, without conductive fluids. Passive convection dissipation ensuring thermal contact with the LED modules through a high-conductivity thermal transfer material
Anti-condensation valve:	Pressure-balancing valve to ensure moisture release, avoid condensation and maintain the luminaire IP tightness
Paint and finishes:	Polyester powder paint coating, electrostatically sprayed and sublimated in the oven. Resistant to corrosion
Colour:	RAL 9022. Optional: other colours
Mounting:	Fixing bracket
Tilt range:	From -45° to 45°
Maintenance:	Access to the external driver without opening the LED module. Modular concept for easy component replacement: LEDs, drivers, SPD
Recommended mounting height:	8 - 14 m
Driver:	Constant current adjustable and programmable driver. Embedded in the luminaire, pre-wired on a galvanised steel plate
Flow Reduction:	Dimmable driver 0-10V. Programmable on 5 levels. Optional: DALI 2. Includes 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, 10kV and 20kA transient surge protector. Series connection with thermofuse disconnecter for a more effective protection at the end of its service life

DRAWING:



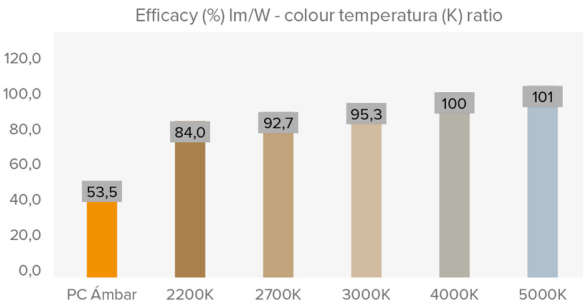
INSTALLATION:



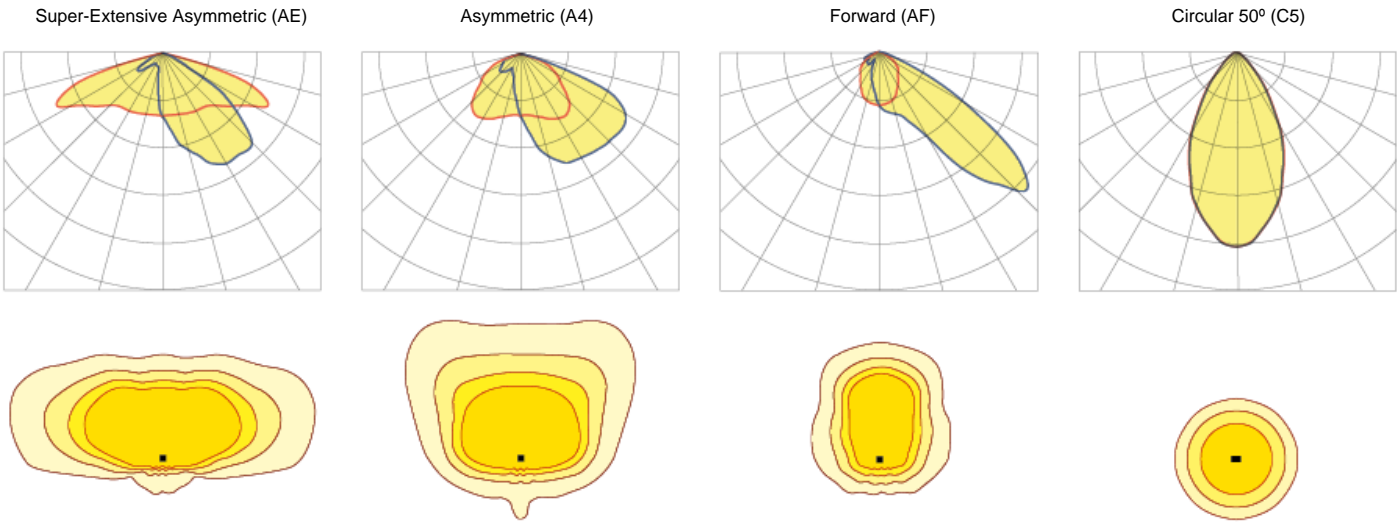
TECHNICAL DATA:

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

Luminous flux and efficiency at 4000°K and CRI>70.  
 Luminous flux tolerance < +/-3%.  
 Values may be subject to changes due to LED binning.



PHOTOMETRY:



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

V. 2024-02-23 | 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-NOVATILU Zhaga standard for 8, 12 and 16 LEDs. Check colour temperature, CRI and light distributions		
Replaceable module:	Yes		
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 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 (exempt of risk)		
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 <sub>max</sub> )
Power supply protection classes IEC:	Class I and II	
Surge protection device (SPD):	Type 2, 10kV 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 <sub>dc</sub> :	kV	10 and optional NTC
Max current (8/20) (SPD):	kA	20
Thermal phase disconnection (SPD):	Yes	
Input voltage:	V <sub>ac</sub>	220-240
Input voltage (max rate):	V <sub>ac</sub>	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:	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	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

