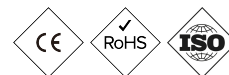
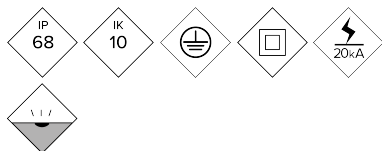


APIR

Floodlight

IRIS RGBW



Recessed, circular, RGBW Floodlight with a 0.39" tempered glass enclosure and a resistance rating of up to 4409.24 lbs according to EN 60598-2-13. This range comes in three different sizes and offers a wide power range, from 20W to 60W. Ready for dimming via DMX-512.

MAIN FEATURES:

- High efficiency. Up to 100 lm/W actual.
- 3 different sizes. From 20W to 60W.
- Aluminum injection body.
- 10mm toughened tempered glass for high strength
- Regulation control via DMX-512 protocol.
- High temperature resistant waterproof silicone ring, corrosion resistant PP plastic
- Stainless steel hardware and frame

APPLICATIONS:

- Commercial and Tourist Streets
- Architectural; Buildings and Monuments
- Accent Lighting; Trees and Sculptures

DETAILS:



Static weight resistance up to 5000kg.



Optics with anti-glare effect.

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

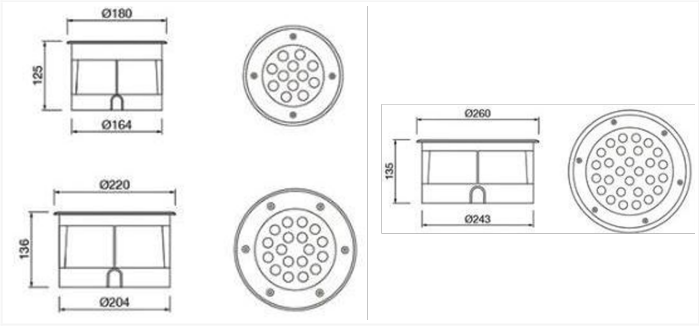
BENITO

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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:	Double Cavity: Driver / LED Module
Sealing gaskets:	Silicone Foam
IP rating (luminaire):	IP66
IP rating (optic system):	IP68
IK rating (impact resistance):	IK10
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:	Corrosion resistant
Colour:	Chrome
Mounting:	Flush through fixing base
Tilt range:	See other models
Maintenance:	Replaceable modules: LEDs, Driver, Decoder, SPD.
Recommended mounting height:	Up to 8m
Driver:	Dimmable and programmable constant current driver. Built into the luminaire, pre-wired on a steel plate. .
Flow Reduction:	Dimmable Driver via DMX-512 protocol through decoder.
Ready4IOT - Connectivity:	Dimming control compatible with any DMX-512 system. Optionally, a controller with internal memories of lighting scenes can be supplied. Includes programming software.
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:



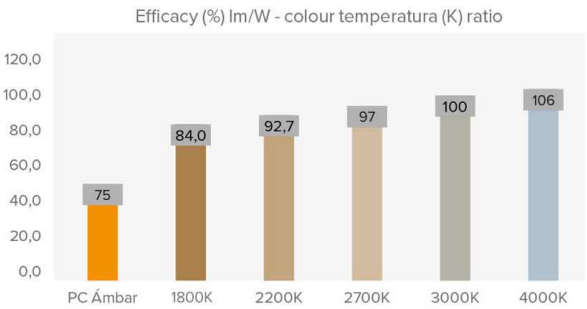
INSTALLATION:





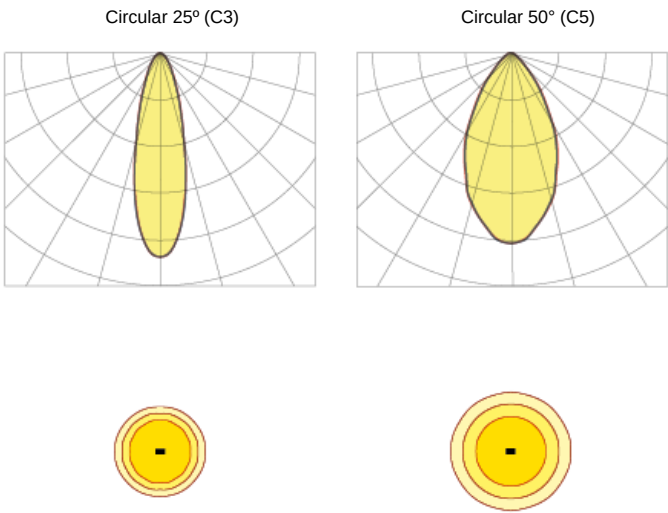
TECHNICAL DATA:

APIR	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
	APIR25C5	12	25	641	2500	100	2800	112
	APIR40C5	18	40	684	3760	96	4280	107
	APIR60C5	28	60	659	5520	92	6182	103



Luminous fluxes and efficiencies with all four RGBW channels at 100%

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 8, 12, and 16 LEDs. Consult color temperatures, CRI, and light distributions.	
Replaceable module:	Yeah	
LED:	LUXEON 3535	
Number of LEDs:	28	
PCBs format:	Circular arrangement. Optional Zhaga.	
LED nominal efficacy:	112	
Colour temperature:	R - G - B - W	
Colour rendering index CRI:		
Average LED useful time L90B10:	L90B10 >100,000 hours	

OPTIC SPECIFICATIONS:		
Optic system:	Conical PMMA lenses	
Light distributions:	3 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	6182
Initial luminaire efficacy Tj=25°C (up to):	lm/W	103
Real luminous flux Tj=85°C (UNE EN 13032-4) (up to):	lm	5520
Real luminaire efficacy Tj=85°C (UNE EN 13032-4) (up to):	lm/W	92

ELECTRIC SPECIFICATIONS:		
Nominal maximum power (LEDs):	W	56
Maximum power consumed (luminaire):	W	60
Power range:	W	20W - 60W
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 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	
Vibration test (15Hz 3 axis):		
Guarantee:	years	5 years (extensible up to 10 years)

PACKAGING DIMENSIONS:		
Net weight	kg	9.8
Gross weight	kg	10.5
Luminaire dimensions (LxWxH)	mm	540x275x170
Packaging dimensions (LxWxH)	mm	580x315x210
Pieces per box		2
Quantity per container 20ft		1344
Quantity per container 40ft		2898

CERTIFICATES:	
Security certificates:	EN 60598-1 / EN 60598-2-5 / EN 62493 / IEC 62471
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



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