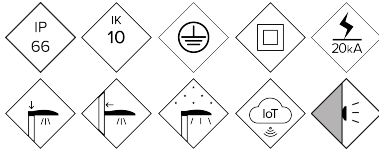




APMR

Floodlight

MILAN M RGBW



RGBW projector with a flat profile, with low wind resistance. Family with three different measurements and a wide range of powers, between 120W and 480W. It is available with multiple light distributions to suit each project. Its anchoring by means of a lyre allows orientations at any angle of inclination. Prepared for Regulation through DMX-512 protocol

MAIN FEATURES:

- High efficiency. Up to 140 lm/W actual.
- 3 different sizes. From 120W to 480W.
- Double cavity, Driver and Optical Group.
- 4 Groups of RGBW LEDs
- Independent regulation control for each color through DMX-512 protocol.
- High robustness to 5G vibrations.

APPLICATIONS:

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

DETAILS:



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

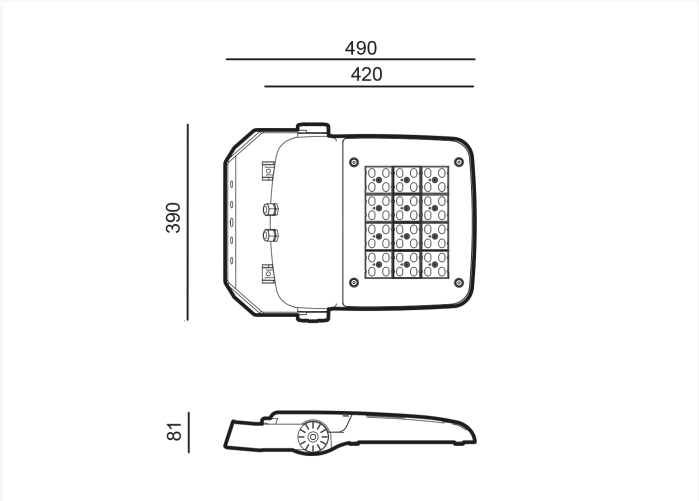
BENITO

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:	Double Cavity: Driver / LED Module
Sealing gaskets:	Silicone Foam
IP rating (luminaire):	IP66
IP rating (optic system):	IP66
IK rating (impact resistance):	IK09 - 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:	Polyester powder coating, electrostatically sprayed and oven-sublimated. Corrosion-resistant.
Colour:	RAL 9022 color and other colors on request
Mounting:	Steel lyre
Tilt range:	Adjustable Floodlight from -120° to 120° inclination.
Maintenance:	Top-opening for easy handling. Replaceable modules: LEDs, drivers, SPDs.
Recommended mounting height:	6-8 m
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 a 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:

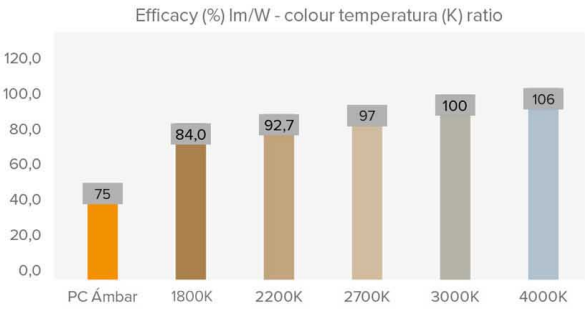


V. 2025-12-17 | The constant improvement and evolution of our products may result in some modifications of the technical specifications and characteristics of the products without prior notice.

TECHNICAL DATA:

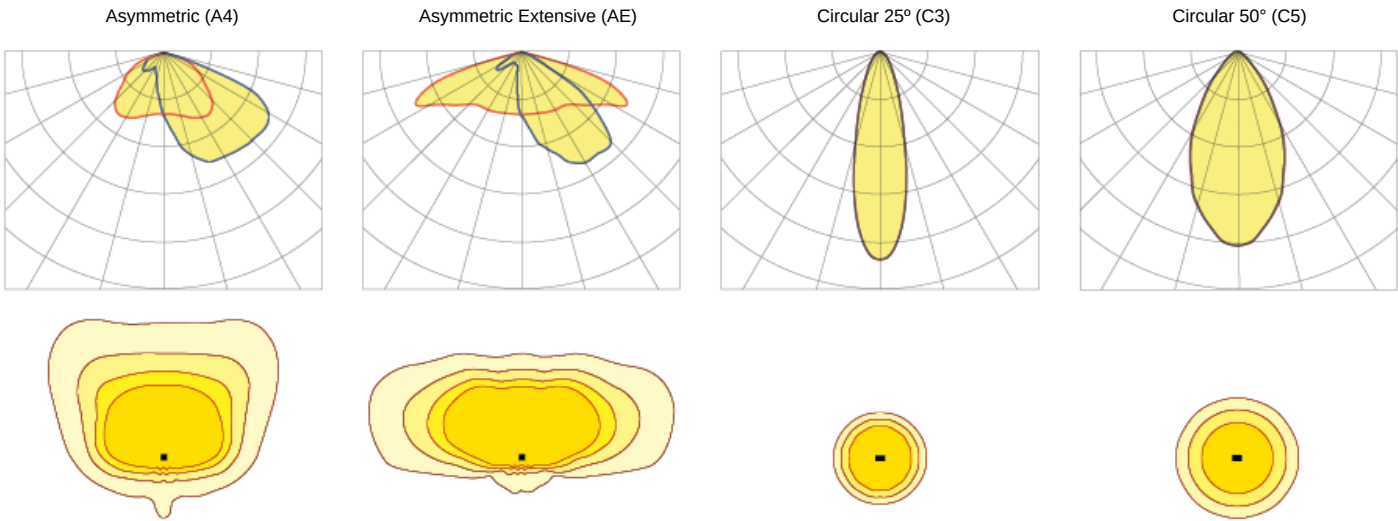


P MILAN M RGBW	REF.	N° LEDs	Power W	I Driver mA	Real luminous flux (T) =85°C		Initial luminous flux (T) =25°C	
					Flux lm	Efficacy lm/W	Flux lm	Efficacy lm/W
					10500	105	11970	120
	APMR120	48	100	625	12240	102	13954	116
		48	120	750				



PHOTOMETRY:

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



*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:	XT-E2		
Number of LEDs:	48		
PCBs format:	Compatible Zhaga.		
LED nominal efficacy:			
Colour temperature:	R - G - B - W		
Colour rendering index CRI:			
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	13954	
Initial luminaire efficacy Tj=25°C (up to):	lm/W	120	
Real luminous flux Tj=85°C (UNE EN 13032-4) (up to):	lm	12240	
Real luminaire efficacy Tj=85°C (UNE EN 13032-4) (up to):	lm/W	105	

ELECTRIC SPECIFICATIONS:

Nominal maximum power (LEDs):	W	108
Maximum power consumed (luminaire):	W	120
Power range:	W	0W - 120W
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	72,167
Ambient temperature (Ta):	°C	From -35°C to +50°C
Aerodynamic resistance (CxS):	m2	0.039
Vibration test (15Hz 3 axis):		
Guarantee:	years	5 years (extensible up to 10 years)

PACKAGING DIMENSIONS:

Net weight	kg	8.4
Gross weight	kg	9.4
Luminaire dimensions (LxWxH)	mm	490x390x81
Packaging dimensions (LxWxH)	mm	500x395x110
Pieces per box	1	
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



BENITO

info@benito.com
tel. 93 852 1000