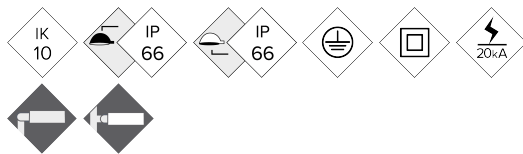




APMXLR

Floodlight

MILAN XL RGBW



RGBW projector with a flat profile, with low wind resistance. Family with three different measures 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 bow allows orientations at any angle of inclination. Prepared for regulation using the DMX-512 protocol.

MAIN FEATURES:

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

APPLICATIONS:

- Commercial and Tourist Streets
- Architectural; Buildings and Monuments

DETAILS:



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

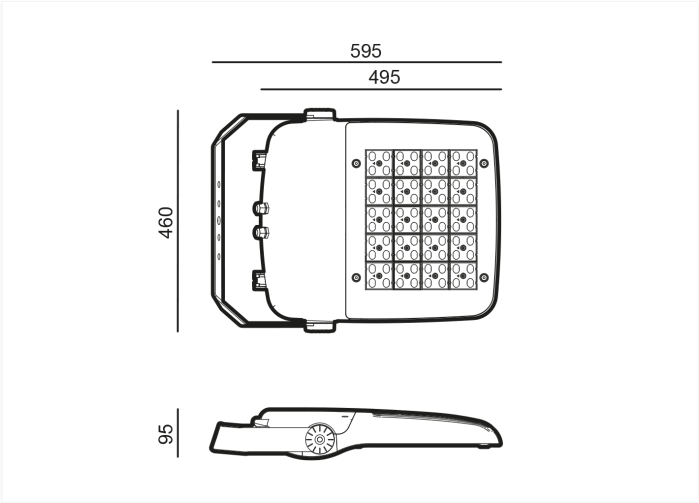
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SPECIFICATIONS :

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:	Double compartment: driver / LED module
Sealing gaskets:	Silicone foam
IP rating (luminaire):	IP66
IP rating (optic system):	IP66
IK rating (impact resistance):	IK10
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 -120° to 120°
Maintenance:	Top opening. Modular concept for easy component replacement: LEDs, drivers, SPD
Recommended mounting height:	8 - 10 m
Driver:	Constant current adjustable and programmable driver. Embedded in the luminaire, pre-wired on a galvanised steel plate
Flow Reduction:	Dimmable Driver through 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, 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:



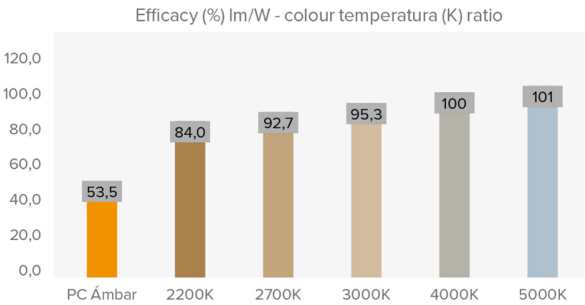
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TECHNICAL DATA:

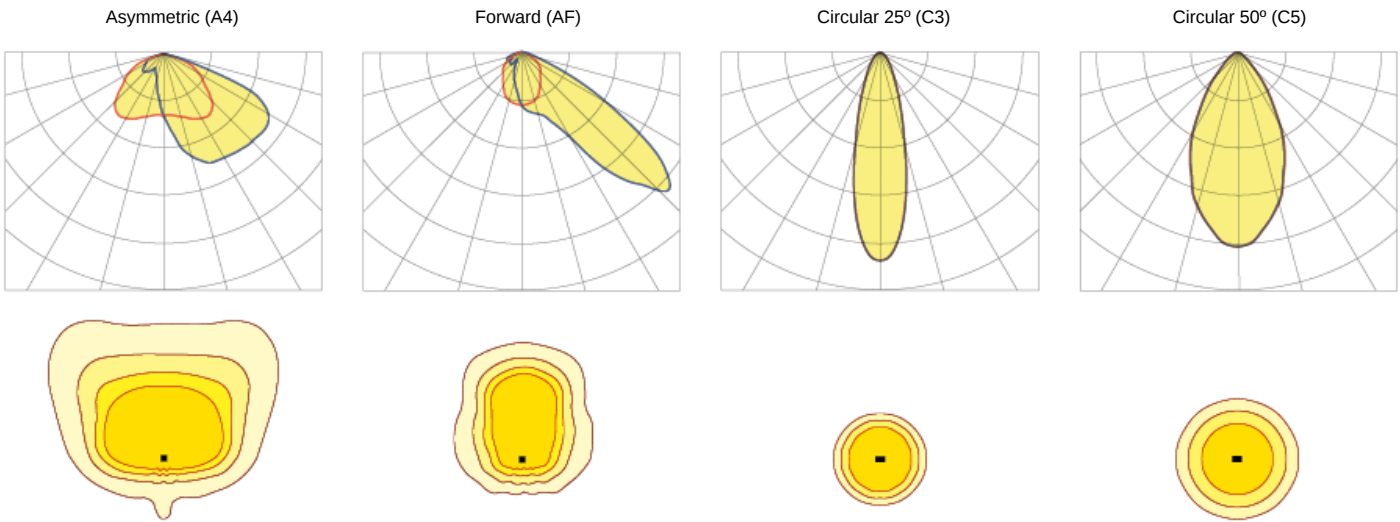


	REF.	Nº LEDs	Power W	I Driver mA	Real luminous flux (T) =85°C		Initial luminous flux (T) =25°C	
					Flux lm	Efficacy lm/W	Flux lm	Efficacy lm/W
P MILAN XL RGBW	APMXLR240	96	150	469	15750	105	17955	120
		96	200	625	20800	104	23712	119
		96	240	750	24480	102	27907	116

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.

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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:	XT-E2		
Number of LEDs:	96		
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 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	27907	
Initial luminaire efficacy Tj=25°C (up to):	lm/W	120	
Real luminous flux Tj=85°C (UNE EN 13032-4) (up to):	lm	24480	
Real luminaire efficacy Tj=85°C (UNE EN 13032-4) (up to):	lm/W	105	

ELECTRIC SPECIFICATIONS:

Nominal maximum power (LEDs):	W	216	
Maximum power consumed (luminaire):	W	240	
Power range:	W	0 - 240W	
Maximum current of LED:	mA	<500 (<50% I _{max})	
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) 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:		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	0.056
Vibration test (15Hz 3 axis):		
Guarantee:	years	5 years (extensible up to 10 years)

PACKAGING DIMENSIONS:

Net weight	kg	12.3
Gross weight	kg	13.6
Luminaire dimensions (LxWxH)	mm	595x460x95
Packaging dimensions (LxWxH)	mm	660x470x115
Pieces per box		1
Quantity per container 20ft		738
Quantity per container 40ft		1548

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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