



mesina

LUMINAIRE

Robust. Modern. Efficient.

Advanced Level: Control. Monitoring.
Innovation.

TECHNICAL
SHEET

MODULE: M

5W-40W

TECHNICAL SPECIFICATION

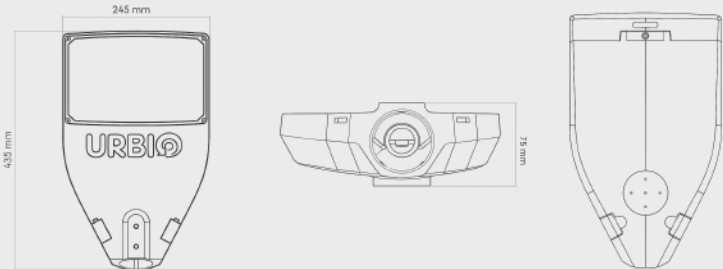
GENERAL INFORMATION		MESINA M 5W-40W
Class I		M[5-40]W[24/36]L5050[27/30/40/57]CRI[70/80][LD/N/KH][P10/P20]D6[NA/I40/I60][TD/IV/SS/FH][D2/010V/PWM][NM/ZG/NMZG]
Class II		M[5-40]W[24/36]L5050[27/30/40/57]CRI[70/80][LD/N/KH][P10/P20]D6[NA/I40/I60][TD/IV]D2[NM/ZG/NMZG]
Lifetime		100.000 hours
Lumen maintenance code		L90B10
Warranty		5 years

OPTICS	
Source Type	LED Module
No. of LED's	24/36 pcs.
LED's Type	5050 series
LED colour temperature	2700K; 3000K; 4000K; 5700K $\pm$ 10%
Colour rendering index	CRI >70; >80, ⁽¹⁾
Luminous flux	825-7400 lm ⁽¹⁾
Luminaire efficacy	165-185 lm/W ⁽¹⁾
Supply voltage LED	5.6-6V
LED power class	0.45-5W

ELECTRICAL CHARACTERISTICS	
Rated power	5W-40W $\pm$ 1%
Nominal voltage	220-240 Vac
Working frequency	50/60 Hz
Power factor	$\geq$ 0,95
Start time	0,5 sec
Operating temperature	-40°C ÷ +55°C
Driver	Compatible with the light source
Electrical class	Class I / Class II
Surge protection	SPD 10kV / SPD 20kV
Integrated overheating protection (NTC)	According to EN 61347-2-13 C5e, return to working conditions
Auxiliary output 12V/0.2A	The possibility of connecting different types of sensors to the lighting device
CLO function / Product lifetime warning	YES

COMPLIANCE	
CE Certificate	YES
Brand license	YES
WEEE Certificate	YES
Standards according to LVD, EMC, CE, ENEC, ENEC+	SR EN IEC 60598-1:2021+A11:2022 SR EN 60598-2-3:2004+A1:2012+AC:2015 SR EN 61347-1:2015+A1:2021 SR EN 1:2015-61347+A1:2021 SR EN 61347-2-13:2015+A1:2017 SR EN IEC 55015:2019+A11:2020 SR EN 61000-3-3:2014+A1:2019+A2:2021+A2:2021/AC:2022 SR EN IEC 61000-3-2:2019 SR EN 61547:2010 SR EN 62262:2004+A1:2021, ch.5,6,7 SR EN 60068-2-1:2007 (Ae) ISO 4354:2009 EN IEC 60598-1:2021+A11:2022 EN 60598-2-3:2003+A1:2011 EN 62262:2002/A1:2021 EPRS 003:2025-04 (EN IEC 62722-2-1:2023) · EPRS 002:2025-04 (EN IEC 62722-1:2022)

⁽¹⁾ All photometric data in this datasheet — Luminous flux and luminaire efficacy — refer to CRI 70 configurations. Photometric data for CRI 80 on request.

HOUSING AND MECHANICAL PARTS	
Housing	Die-cast aluminium, painted in electrostatic field
Dimensions	435x245x75mm 
Weight	3.6kg
Optical diffuser	Heat resistant glass
Lens	PMMA/PC
Ingress Protection	IP66 / IP67
Impact Resistance	IK09 / IK10
Future Proof	The LED module can be easily replaced, in time, with a module with better performing technology
Installation	Suitable for a console with a diameter of 32÷48mm, optional for a console with a diameter of 48÷60mm, with the possibility of adjusting the angle from 5 to 5 degrees in any position, through the indexer

DIMMING & CONTROL	
Dimmable	PWM; 0-10V; DALI2-D4I Driver with adjustable dimming program (1%-100% of initial wattage)
Connectivity option(s)	Nema 7-pin (optional) Zhaga / 2 x Zhaga socket's (optional) Interior controller (optional)

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