



mesina

LUMINAIRE

Robust. Modern. Efficient.

Advanced Level: Control. Monitoring.
Innovation.

TECHNICAL
SHEET

MODULE: L

40W-90W

TECHNICAL SPECIFICATION

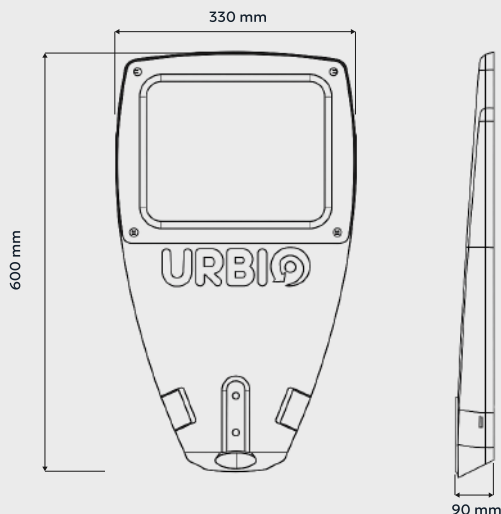
GENERAL INFORMATION		MESINA L 40W-90W
Class I		L[40-90]W[48/72]L5050[27/30/40/57]CRI[70/80][LD/N/KH][P10/P20]D6[NA/I40/I60][TD/IV/SS][D2/O10V/PWM][NM/ZG/NMZG]
Class II		L[40-90]W[48/72]L5050[27/30/40/57]CRI[70/80][LD/N/KH][P10/P20]D6[NA/I40/I60][TD/IV]D2[NM/ZG/NMZG]
Lifetime		100.000 hours
Lumen maintenance code		L90B10
Warranty		5 years

OPTICS	
Source Type	LED Module
No. of LED's	48/72 pcs
LED's Type	5050 series ⁽¹⁾
LED colour temperature	2700K; 3000K; 4000K; 5700K ± 10%
Colour rendering index	CRI >70; >80; ⁽¹⁾
Luminous flux	6800 – 17370lm ⁽¹⁾
Luminaire efficacy	170-193 lm/W ⁽¹⁾
Supply voltage LED	5.6-6V
LED power class	0.45-5W

ELECTRICAL CHARACTERISTICS	
Rated power	40W-90W ± 1%
Nominal voltage	220-240 Vac
Working frequency	50/60 Hz
Power factor	≥ 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 IEC 62031:2020+A11:2021; SR EN 61347-1:2015+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	600x330x90mm 
Weight	6.5kg
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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