URBIO



ZHAGA

LIGHT POINT CONTROLLER

TECHNICAL SHEET

TECHNICAL

SPECIFICATION

GENERAL INFORMATION	
Product	NEOS Zhaga Light Point Controller – MZPL
Lifetime	100,000 hours
Warranty	5 years

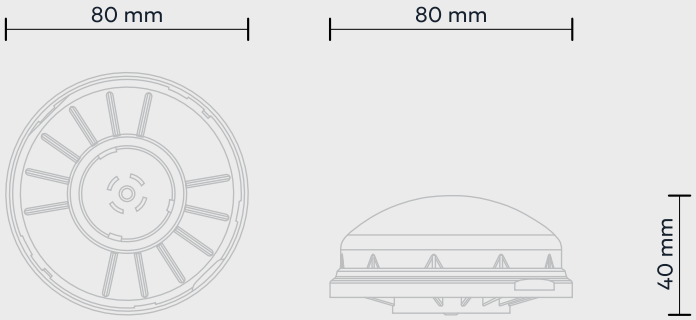
INTEGRATED SENSORS	
Temperature sensor	–40 °C to +90 °C
Light sensor	20–500 lux
Tilt & vibration sensor	±90°, 3-axis
GPS accuracy	up to 2.5 m

ELECTRICAL CHARACTERISTICS	
Supply voltage	12–30 V DC (typ. 24 V DC)
Maximum voltage	34 V DC
Operating current	25 mA
Power consumption	< 0.6 W
ESD protection	4 kV / 8 kV
RTC supercapacitor	Yes

COMMUNICATION & CONTROL	
Communication type	2.4 GHz RF (Bluetooth Mesh)
Range	up to 300 m
Nodes per gateway	up to 200
Encryption	AES-CCM 128-bit
Control interfaces	0(1)-10V, PWM, DALI, DALI-2, D4i
Dimming range	1–100%
Internal memory	>500 programmable events

MECHANICAL CHARACTERISTICS

Dimensions:
Ø80 mm × 40 mm height
Housing material:
UV-treated polycarbonate
Mounting type:
Zhaga Book 18 socket
Protection degree:
IP66



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