



Order Code	White: RP-LL65
Overview	Light Level Sensor with IP65 enclosure suitable for DALI outdoor light level measurement. Suitable for DALI and DALI-2 systems.
Features	<ul style="list-style-type: none">• Light level(lux)sensor.• IP65 rated with multiple conduit entries. Connects directly to a DALI line and powered from the line.• DALI-2 Certified,multi-master.• Very low current draw from the DALI line (2mA).• DALI-2 light level measurement instance type supported; with both low range (0 - 1023lux)and high range(0–65535lux)available.
Typical Applications	Commercial buildings,Hotels,Retail,Educationfacilities.

DALI System Commissioning

This product is set up using any DALI-2 commissioning software that supports DALI-2 Control Device instance type 4.

DALI-2 Instances

This product has 1 instance:

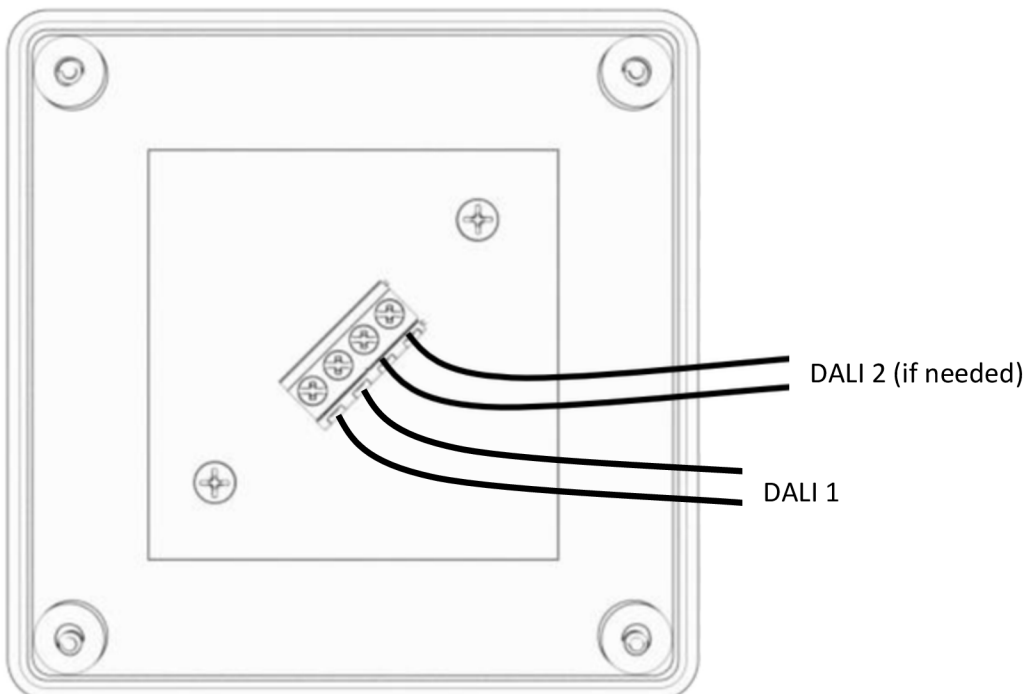
Instance 0 Type 4 Light Level

Sealing and IP Rating







This product includes conduit entry holes and glands. Maintaining the IP65 rating relies on:

- **Front cover being properly fitted with gasket in place and properly tightened;**
- and**
- **All entry to the enclosure being properly sealed. This includes any additional screw holes, cable glands and conduit entries. Silicon sealer or similar must be used to seal all entry points.**

Connections



Specifications: DALI-2 IP65 Outdoor Light Level Sensor

Parameter	Specification
Light Level Measurement range	0 – 1023 lux (default) DALI Operating Mode allows optional high range: 0 – 65000 lux
Power source	DALI Line
Compatibility	DALI and DALI-2
DALI Line operating voltage	16 V dc (nominal), operation from 9.5 V – 22.5 V
DALI Line current draw	2 mA
Start up time	< 1.2 seconds
Mains tolerance	DALI input is mains voltage tolerant
DALI connection	4 Tunnel Terminal block Each tunnel suitable for 1 x 2.5 mm ² or 2 x 1.5 mm ² wires
Ambient operating temperature	0 to 70° C
Ambient storage temperature	-10 to 90° C
Humidity	0% to 95% RH non-condensing
Ingress protection	IP65
Materials	Polycarbonate
Weight	210 g
DALI addresses used	One DALI-2 Control Device Short Address, no Control Gear Short Addresses
DALI Addressing types supported	Short Addresses, Group Addresses, Scenes, Broadcast
RAPIX Application Controller DALI addressing types supported	Control Gear Short Addresses, Group Addresses, Scenes, Broadcast
Additional addressing types	
Approvals	     

Standards & Compliance

EMC and Electrical Safety Frameworks and Standards

IEC/EN 55015, AS/NZS CISPR 15, AS CISPR 15
 EN 55032, AS/NZS CISPR32
 EN 55035
 EN 61547
 EN 61347-2-11, AS/NZS 61347.2.11
 EN 61347-1, AS/NZS 61347.1
 EN 62368-1

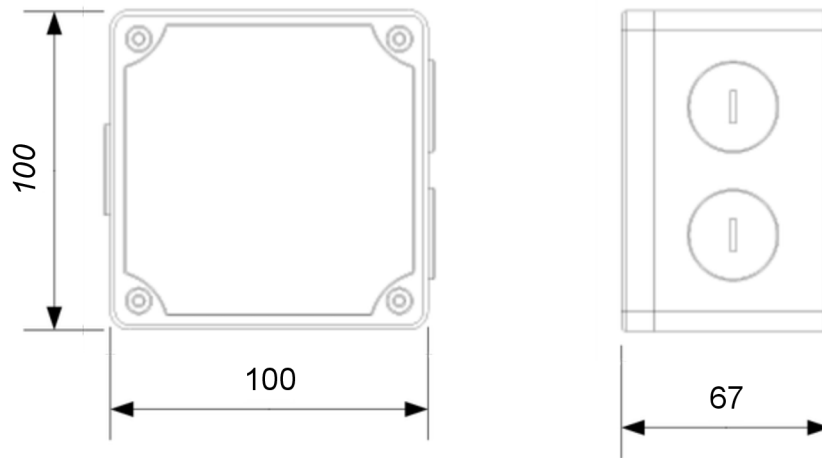
DALI Standards and Compliance

IEC 62386-101 Ed 2 (DALI-2)
 IEC 62386-103 (DALI-2 Control Devices)
 IEC 62386-304 (DALI-2 Instance Type Light Level Sensor)

EC Council Directives

2014/35/EU Low Voltage
 2014/30/EU Electromagnetic Compatibility (EMC)
 2015/863 Restriction of Hazardous Substances (RoHS) in Electrical and Electronic Equipment

Dimensions



Contact Information

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This product includes a **TWO-YEAR WARRANTY** against manufacturing defects.