PLATFORM WIRELESS QUALIFIED BLUETOOTH MESH DAYLIGHT AND PRESENCE SENSOR (HIGHBAY)
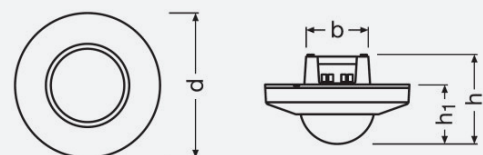
LPWHBPIR-01

PRODUCT FEATURES

- Presence detection via passive IR element
- Detection height up to 14m
- Qualified Bluetooth mesh enabled by Silvair
- Works with Luceco Platform
- Suitable for up to 8 DALI-2 LED drivers (Part – 207) in broadcast mode

- Ambient light dependent control and presence detection
- Shutter included to optimize sensor detection
- Simplified mounting for flush device boxes
- Motion detection height up to 14m

TECHNICAL SPECIFICATION

Electrical data

Nominal voltage	220...240V
Mains frequency	50...60Hz
Radio frequency	2.4GHz
Maximum TX power	+4dBm
Wireless protocol	Qualified Bluetooth mesh
Wireless range	15m line of sight
Guaranteed supply current (DALI)	16mA
Maximum supply current (DALI)	250mA
System wattage	1.00W
Standby power	< 0.5W
Average input current	14mA

Dimensions & weight

Diameter	105.0mm
Mounting hole spacing, diagonal	68...80mm
Height	66.5mm
Product weight	208.22g
Cable cross-section, input side	1.0...2.5mm²
Wire preparation length, input side	6...8mm
Wire preparation length, output side	6...8mm
Cable cross-section, output side	1.0...2.5mm²

AREAS OF APPLICATION

- Suitable for high installation heights
- Entrance halls
- Industry
- Production halls

PRODUCT DRAWING

Temperatures & operating conditions

Ambient temperature range	-20...+50°C
Permitted rel. humidity during operation	0...90%
Temperature range at storage	-20...70°C
Permitted relative humidity at storage	0...90%
Maximum temperature at tc test point	75°C

Capabilities

Control interface	Qualified Bluetooth mesh
Number of control outputs	1
Number of connected drivers	8
Type of sensor	Daylight / PIR
Operating range, light sensor	10...1500 lx
Detection angle (Light sensor)	+/- 30°
Detection angle (PIR)	+/- 55°
Maximum installation height	14m
Dimmable	Yes
Compatibility	Works with Luceco Platform
Status Indicator	Blue: Network status
Control output	DALI-2
Detection angle	40°
Reset	Manual
Dimming interface	DALI-2
Type of installation	On-top ceiling mounting
Number of supported push buttons	4

Colours & Materials

Product Colour	White

Lifespan

Lifespan	50000h

Certificates & standards

Approval marks – approval	CE
Standards	EN 55015
	EN 61347-2-11
	EN 61547
	EN 62479
	ETSI EN 300 328
	ETSI EN 301 489-17
	ETSI EN 301 489-1
	EN 61347-2-1
	IEC 62386-101
	IEC 62386-103
	EN 62493