

QBM D4i LS/PD HB R

Qualified Bluetooth mesh D4i Module | Sistemas de gestión de luz



Características del producto

- With/without Daylight and Occupancy Sensor DEXAL Module
- Control of DEXAL drivers or DALI drivers with additional DALI bus power supply

Beneficios del producto

- Secured product communication granted by ioXT and PSA Certificates

Áreas de aplicación

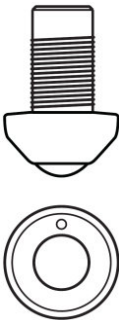
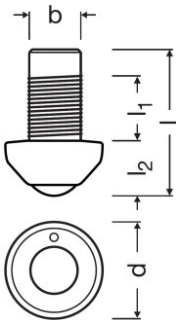
- Oficinas individuales
- Salas de conferencias
- Aulas
- Escaleras
- Servicios

Datos técnicos

Datos eléctricos

Tensión cc	12...22.5 V
Peak input current	30 mA
Average input current	10 mA
Radio frequency	2.4 GHz
Maximum TX power	+4 dBm
Wireless protocol	Qualified Bluetooth mesh enabled by Silvair
Wireless range	12 m line of sight
Potencia de sistema	030 W
Standby power [AGGR]	< 150 mW
Screw thread length	25 mm
Required DALI current (typical)	10 mA
Peak DALI current	30 mA
Maximum start-up time (DALI)	-

Dimensiones y peso



Largo	435 mm
Diámetro	370 mm
Mounting hole diameter	22.2...23.2 mm
Peso del producto	1820 g
Long aislamiento parte de la entrada	7...9 mm
Sección de cable, salida	-
Sección de cable, entrada	0.25...0.75 mm ²
Maximum allowed cable length	10
Screw thread length	25 mm

Temp. y condiciones de funcionamiento

Hoja de datos de producto

Área de temperatura de funcionamiento	-
Margen de temperatura ambiente	-20...+50 °C
Humedad en el aire	0...90 %
Temperatura de almacenamiento	0...70 °C
Humedad relativa permit. en almacenaje	0...95 %
Temp. máx. en el punto de prueba tc	60 °C

Duración de vida

Duración	50000 h
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Capacidades

Control output	D4i
Number of connected drivers	4
Regulable	Sí
Tipo de sensor	Daylight / PIR
Area de trabajo del sensor de luz	<1000 lx
Ángulo de detección	90 °
Altura máxima de instalación	-
Compatibility	Works with OSRAM HubSense / Works with OSRAM DEXAL
Status Indicator	Blue: network Status / Red: Motion detected
Reset	Magnetic ¹⁾
Número de salidas de control	-
Interfaz DIM	D4i
Tipo de montaje	Luminaire integration
Control interface	qualified Bluetooth mesh
Detection angle (Light sensor)	+/- 15°
Detection angle (PIR)	+/-60°

¹⁾ by magnet

Certificados & Normas

Símbolos de homologación	CE / ioXT / PSA
Tipo de protección	IP65

Datos logísticos

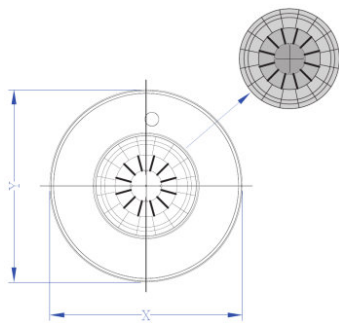
Número estadístico de material	90314990000
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Environmental information

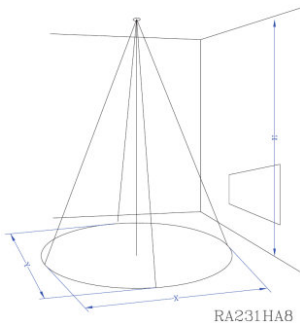
Information according Art. 33 of EU Regulation (EC) 1907/2006 (RECh)
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Hoja de datos de producto

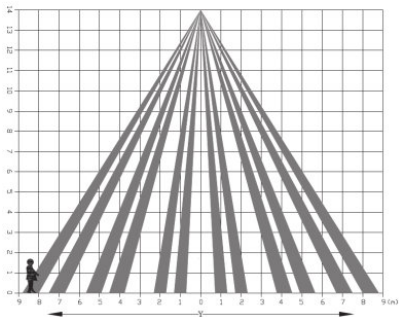
Date of Declaration	05-12-2023
Primary Article Identifier	4052899627178
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	a300203b-99f6-421f-995e-77119a1adad2



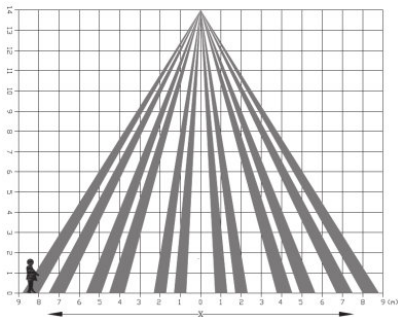
QBM D4i LS PD HB R Detection Pattern 4



QBM D4i LS PD HB R Detection Pattern 3

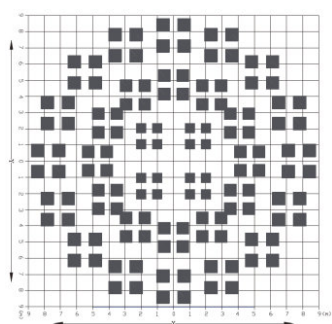


QBM D4i LS PD HB R Detection Pattern 2

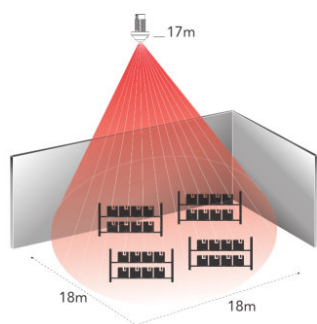


QBM D4i LS PD HB R Detection Pattern 1

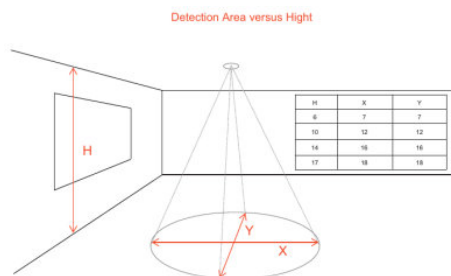
Hoja de datos de producto



QBM D4i LS PD HB R Detection_Pattern



210722 RA231HA8 detection



210722 RA231HA8 Detection Pattern

Hoja de datos de producto

Texto de la hoja técnica

- By integrating the device into a casing the wireless range could be affected, in particular by metal surfaces. Therefore, the wireless range needs to be verified after integration.
- The device could be reset to factory default by placing a strong Neodym magnet (e.g. N35, d=6.35 mm x h=1.59 mm) near the corner of the bezel for 5 seconds.
- The status LED of the device indicates following Network status. Fast blinking (Blue): Not connected to a network, Slow blinking (Blue); Connected to a network, Blink twice (Blue): Mesh package received, Long blink (Blue) Factory reset, Blink one (Red): Motion detected
- The device has passed successfully the SILVAIR Testing process.
- The device can be put into operation using the OSRAM HubSense Commissioning Tool (<https://platform.hubsense.eu>), subject to prior acceptance of the Terms of Use and the Privacy Policy.
- OSRAM may terminate or suspend the use of the HubSense Commissioning Tool at any time and for any or no reason in its sole discretion, even if access and use is continued to be allowed to others.
- The device complies with Bluetooth mesh Standard v1.0. It can also be used in 3rd party Bluetooth mesh network, that complies with this standard and that supports the mesh models of this device, and with certain 3rd party commissioning tools, that support the mesh models of this device. In order to ensure correct interoperability a verification with the 3rd party network components and the 3rd party commissioning tool is necessary in advance. Please contact OSRAM (support@hubsense.eu) to receive the actual list of supported models for this device.
- OSRAM shall have no liability for any 3rd party commissioning tool and does not make any representations, express or implied, about the availability and/or performance of such commissioning tool.
- OSRAM shall have no liability for and does not make any representations, express or implied, about the connectivity of OSRAM QBM products with any other products, that have passed the SILVAIR Testing process.

Descarga datos

Fichero	
	User instruction QBM D4i LS PD HB R
	User instruction QBM D4i LS PD R Qualified Bluetooth Mesh Presence Daylight Sensor LENS SHIELDS

Logistical Data

Código del producto	Descripción del producto	Unidad de embalaje (Piezas/unidad)	Dimensiones (largo x ancho x alto)	Volúmen	Peso bruto
4052899627178	QBM D4i LS/PD HB R	Embalaje de envío 50	330 mm x 287 mm x 195 mm	18.47 dm³	1530.00 g

El código del producto mencionado describe la unidad más pequeña de la cantidad que se puede pedir. Una unidad de envío puede contener uno o más productos individuales. Al cursar un pedido, introduzca la cantidad de la unidad de envío o su múltiple.

Aviso

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.