

## QBM D4i LS/PD HB R

Qualified Bluetooth mesh D4i Module | Systémy řízení osvětlení



### Vlastnosti produktu

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

### Výhody produktu

- Secured product communication granted by ioXT and PSA Certificates

### Druh použití

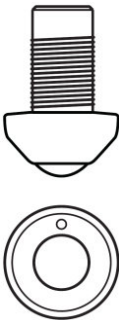
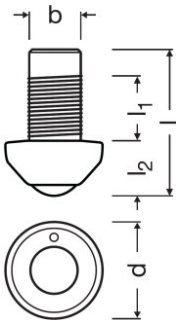
- Jednotlivé kanceláře
- Konferenční prostory
- Školní třídy
- Schodiště
- Toalety

Technické údaje

Parametry

|                                 |                                             |
|---------------------------------|---------------------------------------------|
| Vstupní napětí DC               | 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                          |
| Systémový výkon                 | 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)    | -                                           |

Rozměry & váha



|                                          |                             |
|------------------------------------------|-----------------------------|
| Délka                                    | 435 mm                      |
| Průměr                                   | 370 mm                      |
| Mounting hole diameter                   | 22.2...23.2 mm              |
| Váha výrobku                             | 1820 g                      |
| Délka odizolovaných vodičů, vstupní str. | 7...9 mm                    |
| Průřez kabelu, výstupní strana           | -                           |
| Průřez kabelu, vstupní strana            | 0.25...0.75 mm <sup>2</sup> |
| Maximum allowed cable length             | 10                          |
| Screw thread length                      | 25 mm                       |

Teploty a provozní podmínky

Technický list výrobku

|                                          |              |
|------------------------------------------|--------------|
| Provozní rozsah teplot                   | -            |
| Rozsah okolní teploty                    | -20...+50 °C |
| Povolená relativní vlhkost během provozu | 0...90 %     |
| Skladujte při teplotách od... do         | 0...70 °C    |
| Povolená rel. vlhkost při skladování     | 0...95 %     |
| Maximální teplota ve zkušebním bodě tc   | 60 °C        |

Životnost

|                     |         |
|---------------------|---------|
| Střední doba života | 50000 h |
|---------------------|---------|

Vlastnosti

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| Control output                   | D4i                                                |
| Number of connected drivers      | 4                                                  |
| Stmívatelnost                    | Ano                                                |
| Typ snímače                      | Daylight / PIR                                     |
| Pracovní rozsah, světelný senzor | <1000 lx                                           |
| Úhel detekce                     | 90 °                                               |
| Maximální instalační výška       | -                                                  |
| Compatibility                    | Works with OSRAM HubSense / Works with OSRAM DEXAL |
| Status Indicator                 | Blue: network Status / Red: Motion detected        |
| Reset                            | Magnetic <sup>1)</sup>                             |
| Počet řídicích výstupů           | -                                                  |
| Rozhraní pro stmívání            | D4i                                                |
| Druh instalace                   | Luminaire integration                              |
| Control interface                | qualified Bluetooth mesh                           |
| Detection angle (Light sensor)   | +/- 15°                                            |
| Detection angle (PIR)            | +/-60°                                             |

<sup>1)</sup> by magnet

Certifikáty & standardy

|                      |                 |
|----------------------|-----------------|
| Povolení – schválení | CE / ioXT / PSA |
| Druh ochrany         | IP65            |

Logistická data

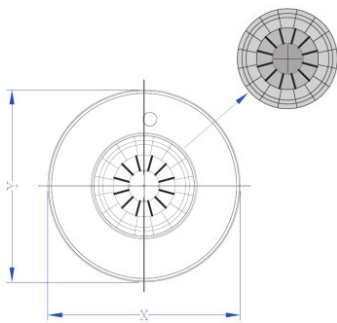
|                  |             |
|------------------|-------------|
| Zkratka produktu | 90314990000 |
|------------------|-------------|

Environmental information

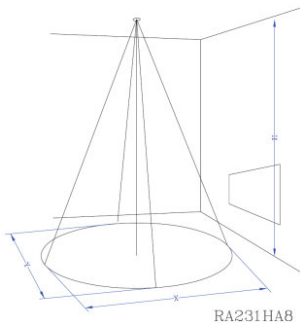
|                                                                      |
|----------------------------------------------------------------------|
| Information according Art. 33 of EU Regulation (EC) 1907/2006 (RECh) |
|----------------------------------------------------------------------|

Technický list výrobku

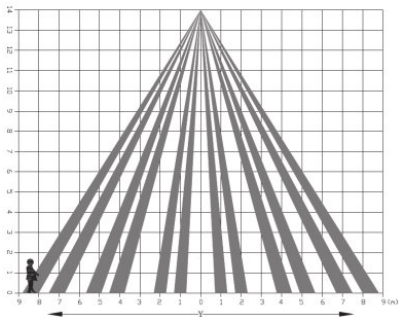
|                                  |                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------|
| Date of Declaration              | 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                                                               |



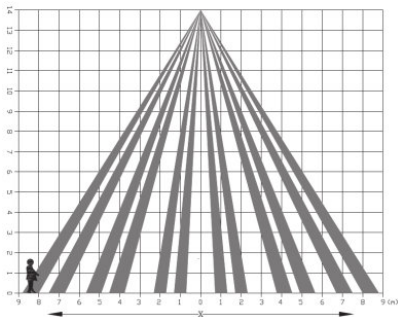
QBM D4I LS PD HB R Detection Pattern 4



QBM D4I LS PD HB R Detection Pattern 3

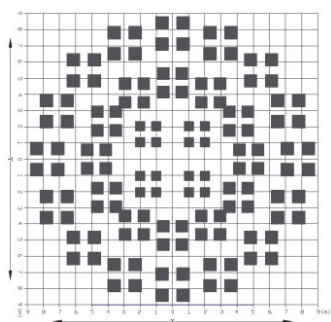


QBM D4I LS PD HB R Detection Pattern 2

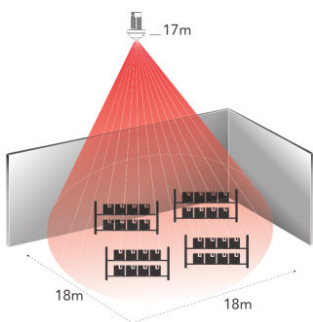


QBM D4I LS PD HB R Detection Pattern 1

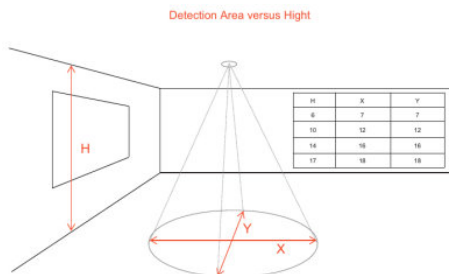
Technický list výrobku



QBM D4I LS PD HB R Detection\_Pattern



210722 RA231HA8 detection



210722 RA231HA8 Detection Pattern

## Technický list výrobku

### Text pro technický lis

- 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](mailto: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.

### Stažení dat

| Soubor                                                                              |                                                                                                    |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|  | User instruction<br>QBM D4i LS PD HB R                                                             |
|  | User instruction<br>QBM D4i LS PD R Qualified Bluetooth Mesh Presence Daylight Sensor LENS SHIELDS |

### Logistické údaje

| Kód výrobku   | Popis výrobku      | Jednotka balení<br>(kusy/jednotku) | Rozměry (délka x šířka x<br>výška) | Objem                 | Hrubá<br>hmotnost |
|---------------|--------------------|------------------------------------|------------------------------------|-----------------------|-------------------|
| 4052899627178 | QBM D4i LS/PD HB R | Shipping carton box<br>50          | 330 mm x 287 mm x 195 mm           | 18.47 dm <sup>3</sup> | 1530.00 g         |

Zmíněný produktový kód udává nejmenší jednotku množství, kterou lze objednat. Jednotka balení může obsahovat jeden nebo více samostatných produktů. Při objednávání zadávejte jednotky balení nebo násobky jednotek balení.

## Technický list výrobku

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### Vyloučení odpovědnosti

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