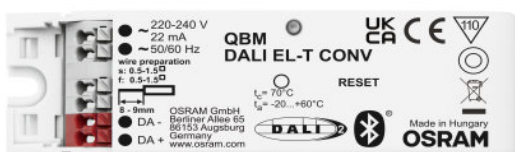


## QBM DALI EL-T CONV

Converters | Light management systems



### Product family features

- Qualified Bluetooth mesh enabled by Silvair
- Works with OSRAM Hubsense
- Suitable for up to 32 DALI-2 LED drivers (Part - 207) in broadcast mode
- Suitable for up to 1 DALI sensor
- Compact size: 108 x 30 x 21 mm
- Push terminals for easy wiring

### Product family benefits

- Easy to integrate in luminaire
- Allow the easy upgrade of a DALI-2 luminaire for qualified Bluetooth mesh
- Allow an easy integration of any DALI-2 Sensor in a qualified Bluetooth mesh network
- External push button support for floor standing luminaires
- Secured product communication granted by ioXT and PSA Certificates

### Areas of application

- Open offices
- Individual offices
- Conference rooms
- Classrooms
- Storage and break areas
- Stairways
- Toilets



Technical data

Electrical data

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| Nominal voltage                  | 220...240 V                                 |
| Mains frequency                  | 50/60 Hz                                    |
| Radio frequency                  | 2.4 GHz                                     |
| Maximum TX power                 | +4 dBm <sup>1)</sup>                        |
| Wireless protocol                | Qualified Bluetooth mesh enabled by Silvair |
| Wireless range                   | 10 m line of sight                          |
| Guaranteed supply current (DALI) | 82 mA                                       |
| Maximum supply current (DALI)    | 250 mA <sup>2)</sup>                        |
| System wattage                   | 1.90 W                                      |
| Standby power                    | < 0.5 W                                     |

1) 2.512 mW

2) see additional product information

Dimensions & weight



|                                      |                           |
|--------------------------------------|---------------------------|
| Length                               | 108.0 mm                  |
| Width                                | 30.0 mm                   |
| Height                               | 21.0 mm                   |
| Product weight                       | 44.00 g                   |
| Wire preparation length, input side  | 8.0...9.0 mm              |
| Cable cross-section, input side      | 0.5...1.5 mm <sup>2</sup> |
| Wire preparation length, output side | 8.0...9.0 mm              |
| Cable cross-section, output side     | 0.5...1.5 mm <sup>2</sup> |

Temperatures & operating conditions

|                                          |                        |
|------------------------------------------|------------------------|
| Ambient temperature range                | -20...+60 °C           |
| Permitted rel. humidity during operation | 0...85 % <sup>1)</sup> |

Product datasheet

|                                        |                        |
|----------------------------------------|------------------------|
| Temperature range at storage           | 0...60 °C              |
| Permitted relative humidity at storage | 0...85 % <sup>1)</sup> |
| Maximum temperature at tc test point   | 70 °C                  |

<sup>1)</sup> Non-condensing

Lifespan

|          |                       |
|----------|-----------------------|
| Lifespan | 50000 h <sup>1)</sup> |
|----------|-----------------------|

<sup>1)</sup> At T<sub>c</sub> max

Capabilities

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Control interface                | qualified Bluetooth mesh            |
| Control output                   | yes                                 |
| Number of control outputs        | 1                                   |
| Number of connected drivers      | 32 <sup>1)</sup>                    |
| Dimmable                         | Yes                                 |
| Type of installation             | Luminaire integration <sup>2)</sup> |
| Compatibility                    | Works with OSRAM HubSense           |
| Status Indicator                 | Blue: Network status <sup>3)</sup>  |
| Reset                            | Manual <sup>3)</sup>                |
| Dimming interface                | DALI-2                              |
| Number of supported push buttons | -                                   |
| Detection angle (Light sensor)   | -                                   |
| Detection angle (PIR)            | -                                   |

<sup>1)</sup> DALI-2 LED Driver (Part-207), broadcast

<sup>2)</sup> Ceiling or independent installation via ECO CI KIT possible

<sup>3)</sup> see additional product information

Certificates & standards

|                           |                                                                                                                                                                                          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval marks – approval | CE / DALI-2 / ioXT / PSA                                                                                                                                                                 |
| Type of protection        | IP20                                                                                                                                                                                     |
| Standards                 | Acc. to EN 55015 / Acc. to EN 61347-1 / Acc. to EN 61347-2-11 / Acc. to EN 61547 / Acc. to EN 62479 / Acc. to ETSI EN 300 328 / Acc. to ETSI EN 301 489-17 / Acc. to ETSI EN 301 489 - 1 |

Logistical data

|                |             |
|----------------|-------------|
| Commodity code | 85371098990 |
|----------------|-------------|

Environmental information

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

Product datasheet

|                                  |                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------|
| Date of Declaration              | 30-06-2023                                                                                         |
| Primary Article Identifier       | 4062172282482                                                                                      |
| Candidate List Substance 1       | Lead titanium zirconium oxide                                                                      |
| CAS No. of substance 1           | 12626-81-2                                                                                         |
| Candidate List Substance 2       | Lead                                                                                               |
| CAS No. of substance 2           | 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 | c0597cbb-09ce-4318-8fdd-d7cc8e97b31b                                                               |


Equipment / Accessories

- Ceiling or independent installation via ECO CI KIT possible

Additional product information

- This device is not allowed to be connected with other DALI Bus power supplies on the same line.
- The maximal total wire length to all connected push buttons must not exceed 10 m.
- 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 pressing the reset button for longer than 10 sec.
- If the device is not connected to a network, it will take approximately 30 seconds for it to appear as an available device after it is powered on.
- The status LED of the device indicates the following network status. Fast blinking: Not connected to a network. Slow blinking: Connected to a network.
- 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.

Download Data

| File                                                                                |                                        |
|-------------------------------------------------------------------------------------|----------------------------------------|
|  | User instruction<br>QBM DALI EL T CONV |

# Product datasheet

## Logistical Data

| Product code  | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume               | Gross weight |
|---------------|---------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4062172282482 | QBM DALI EL-T CONV  | Shipping carton box<br>25    | 160 mm x 120 mm x 117 mm             | 2.25 dm <sup>3</sup> | 1150.00 g    |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

## Disclaimer

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