

## QUICKTRONIC INTELLIGENT DIM T5

ECG dimmable 1...10 V for FL 16 mm



### Product family features

- Control via 1...10 V interface
- Supply voltage: 220...240 V
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Line voltage: 198...264 V
- Dimming range: 1...100 % luminous flux
- Lamp start: within 0.6 s
- Lifetime: > 100,000 h (for  $T = 65^{\circ}\text{C}$  at  $T_c$ )
- Automatic shutdown of defective lamps and at end of life (EoL T.2)
- Energy Efficiency Index EEI: A1 BAT
- Overtemperature protection: Thermal management at high  $t_c$  temperatures
- Safety: to EN 61347-2-3
- Lamp operation: to EN 60929
- RI suppression: to EN 55015:2006+A1:2007+A2:2009/CISPR 15
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547

### Product family benefits

- Same luminous flux with direct and alternating current
- Perfect lamp start for applications with motion sensors
- Dimming of amalgam lamps without flickering or reduced lifespan
- Very high efficiency thanks to cut-off technology
- Automatic restart after lamp replacement
- ECGs comply with MINERGIE standard due to very low standby consumption
- Configurable emergency power characteristics

### Areas of application

- Suitable for emergency installations
- Industry
- Open-plan offices, corridors and storage rooms
- Public buildings
- Suitable for luminaires of protection class I

Product family datasheet

Technical data

|                     | Electrical data  |                 |                 |                  | Light technical data | Dimensions & weight |
|---------------------|------------------|-----------------|-----------------|------------------|----------------------|---------------------|
| Product description | Input voltage AC | Nominal voltage | Mains frequency | Input voltage DC | Starting time        | Length              |
| QTi 1X14/24 DIM     | 198...264 V      | 220...240 V     | 50/60 Hz        | 154...276 V      | 06 s <sup>1)</sup>   | 3600 mm             |
| QTi 4X14/24 DIM     | 198...264 V      | 220...240 V     | 50...60 Hz      | 154...276 V      | 06 s <sup>1)</sup>   | 3600 mm             |

| Product description | Width  | Height | Mounting hole spacing, length | Product weight | Cable cross-section, output side         | Cable cross-section, input side          |
|---------------------|--------|--------|-------------------------------|----------------|------------------------------------------|------------------------------------------|
| QTi 1X14/24 DIM     | 300 mm | 210 mm | 350.0 mm                      | 27400 g        | 0.5...1.5 / 0.5...1.0 mm <sup>2 2)</sup> | 0.5...1.5 / 0.5...1.0 mm <sup>2 2)</sup> |
| QTi 4X14/24 DIM     | 400 mm | 210 mm | 350.0 mm                      | 39700 g        | 0.5...1.5 / 0.5...1.0 mm <sup>2 2)</sup> | 0.5...1.5 / 0.5...1.0 mm <sup>2 2)</sup> |

|                     | Temperatures & operating conditions | Lifespan               | Capabilities |                                  |                                        |
|---------------------|-------------------------------------|------------------------|--------------|----------------------------------|----------------------------------------|
| Product description | Ambient temperature range           | ECG lifetime           | Dimmable     | End of lamp life safety shutdown | Suitable for fixtures with prot. class |
| QTi 1X14/24 DIM     | +10...+50 °C                        | 100000 h <sup>3)</sup> | Yes          | EOL T.2                          | I                                      |
| QTi 4X14/24 DIM     | +10...+50 °C                        | 100000 h <sup>3)</sup> | Yes          | EOL T.2                          | I                                      |

|                     | Certificates & standards               |                  | Logistical data | Environmental information<br>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |
|---------------------|----------------------------------------|------------------|-----------------|----------------------------------------------------------------------------------------------------|
| Product description | Approval marks – approval              | Protection class | Commodity code  | Date of Declaration                                                                                |
| QTi 1X14/24 DIM     | VDE / VDE-EMC / EL I / EAC / RCM / CCC |                  | 85041080900     | 21-07-2023                                                                                         |
| QTi 4X14/24 DIM     | VDE / VDE-EMC / EL I / EAC / RCM / CCC |                  | 85041080900     | 21-07-2023                                                                                         |

| Product description | Primary Article Identifier | Candidate List Substance 1 | CAS No. of substance 1 | Safe Use Instruction                                                                               |
|---------------------|----------------------------|----------------------------|------------------------|----------------------------------------------------------------------------------------------------|
| QTi 1X14/24 DIM     | 4050300870922              | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |

Product family datasheet

| Product description | Primary Article Identifier | Candidate List Substance 1 | CAS No. of substance 1 | Safe Use Instruction                                                                               |
|---------------------|----------------------------|----------------------------|------------------------|----------------------------------------------------------------------------------------------------|
| QTi 4X14/24 DIM     | 4008321069993              | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |

| Product description | Declaration No. in SCIP database     |
|---------------------|--------------------------------------|
| QTi 1X14/24 DIM     | 81973a1b-513a-4db6-84f3-6ab9f28fdc74 |
| QTi 4X14/24 DIM     | 12980ffa-8acc-4e8e-b001-5b978bf0ec35 |

1) Optimized preheat start  
2) Solid leads  
3) At T<sub>case</sub> = 65°C at T<sub>c</sub> point / 10% failure rate

# Product family datasheet

## Application advice

For more detailed application information and graphics please see product datasheet.

## Additional product information

- In order to achieve good radio interference suppression:1. Keep the cable between ECG and lamp as short as possible.2. The single lamp wires must be routed as close as possible to each other, whereas the lines of the different lamp ends must be routed separately.

## Sales and Technical Support

Sales and Technical Support [www.osram.com](http://www.osram.com)

## Country specific information

| Product description | Product code  | METEL code      | SEG-No. | STK number | UK Org |
|---------------------|---------------|-----------------|---------|------------|--------|
| QTi 1X14/24 DIM     | 4050300870922 | OSRQTI1X1424DIM | -       | 4030214    | -      |
| QTi 1X14/24 DIM     | 4050300870922 | OSRQTI1X1424DIM | -       | 4030214    | -      |
| QTi 4X14/24 DIM     | 4008321069993 | OSRQTI4X1424DIM | -       | 4031118    | -      |
| QTi 4X14/24 DIM     | 4008321069993 | OSRQTI4X1424DIM | -       | 4031118    | -      |

## Download Data

| File                                                                                |                                                                                          |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|  | Addon Technical Information<br>502689_Frequent switching Quicktronic                     |
|  | Addon Technical Information<br>502785_ECG lifetime - QUICKTRONIC (DALI) DIM              |
|  | Certificates<br>334953_EMC-Marks approval                                                |
|  | Certificates<br>335097_INOTEC                                                            |
|  | Certificates<br>QTI DALI VDE 40021252 210920                                             |
|  | Certificates<br>335135_Manufacturer's declaration &#150; Burning-in of fluorescent lamps |
|  | Certificates<br>335153_Manufacturer's declaration &#150; Low stand-by                    |
|  | Certificates<br>335154_Manufacturer's declaration &#150; EN 55015:2006+A1:2007 (300 MHz) |

Product family datasheet

|                                                                                     |                                                                                                   |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
|    | Certificates<br>335169_Manufacturer's declaration &#150; LampECG combinations: Frequent switching |
|    | Certificates<br>592319_EAC certificate for Quicktronics QT                                        |
|    | Certificates<br>504208_VDE-EMC-CERTIFICATE QTi DALI DIM                                           |
|    | Declarations of conformity<br>QUICKTRONIC DIM CE 3364258 060923                                   |
|    | Operating instructions<br>592412_EAC QTi T5 DIM                                                   |
|    | CAD data 3-dim<br>313432_360x30x21 1881281                                                        |
|    | CAD data 3-dim<br>313433_360x30x21 1881281                                                        |
|    | CAD data 3-dim<br>313453_360x30x21 1881281                                                        |
|    | CAD data PDF<br>313406_360x30x21 1881281                                                          |
|    | Product Datasheet<br>321505_ATi QTi 4x1424220-240 DIM (G+GB)                                      |
|  | CAD data 3-dim<br>321639_QTi 4x1424220-240 DIM                                                    |
|  | CAD data 3-dim<br>321640_QTi 4x1424220-240 DIM                                                    |
|  | CAD data 3-dim<br>321641_QTi 4x1424220-240 DIM                                                    |
|  | CAD data PDF<br>321637_QTi 4x1424220-240 DIM                                                      |

Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

| Product code  | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume               | Gross weight |
|---------------|---------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4050300870922 | QTi 1X14/24 DIM     | Shipping carton box<br>20    | 392 mm x 165 mm x 98 mm              | 6.34 dm <sup>3</sup> | 5700.00 g    |

Product family datasheet

Logistical Data

|               |                 |                           |                         |                      |           |
|---------------|-----------------|---------------------------|-------------------------|----------------------|-----------|
| 4008321069993 | QTi 4X14/24 DIM | Shipping carton box<br>20 | 380 mm x 206 mm x 96 mm | 7.51 dm <sup>3</sup> | 8213.00 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.