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 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 °C at Tc)
- 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
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547
**Technical data**

### Electrical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input voltage AC</td>
<td>198…264 V</td>
</tr>
<tr>
<td>Nominal voltage</td>
<td>220…240 V</td>
</tr>
<tr>
<td>Mains frequency</td>
<td>50…60 Hz</td>
</tr>
<tr>
<td>Input voltage DC</td>
<td>154…276 V</td>
</tr>
<tr>
<td>Operating frequency</td>
<td>40…100 kHz</td>
</tr>
<tr>
<td>Max. ECG no. on circuit breaker 10 A (B)</td>
<td>12</td>
</tr>
<tr>
<td>Max. ECG no. on circuit breaker 16 A (B)</td>
<td>19</td>
</tr>
<tr>
<td>Inrush current</td>
<td>35 A</td>
</tr>
</tbody>
</table>

1) Type B

### Light technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Starting time</td>
<td>0.6 s</td>
</tr>
</tbody>
</table>

1) Optimized preheat start

### Dimensions & weight

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>360.0 mm</td>
</tr>
<tr>
<td>Width</td>
<td>40.0 mm</td>
</tr>
<tr>
<td>Height</td>
<td>21.0 mm</td>
</tr>
<tr>
<td>Mounting hole spacing, length</td>
<td>350.0 mm</td>
</tr>
<tr>
<td>Product weight</td>
<td>394.00 g</td>
</tr>
<tr>
<td>Cable cross-section, output side</td>
<td>0.5…1.5 / 0.5…1.0 mm²</td>
</tr>
<tr>
<td>Cable cross-section, input side</td>
<td>0.5…1.5 / 0.5…1.0 mm²</td>
</tr>
</tbody>
</table>

1) Solid leads / Flexible

### Temperatures & operating conditions

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient temperature range</td>
<td>+10...+50 °C</td>
</tr>
</tbody>
</table>
### Permitted rel. humidity during operation

5...85 %<sup>1)</sup>

<sup>1)</sup> Maximum 56 days/year at 85 %

### Lifespan

**ECG lifetime**

100000 h<sup>1)</sup>

<sup>1)</sup> At $T_{\text{case}} = 65^\circ\text{C}$ at $T_c$ point / 10% failure rate

### Additional product data

**Suitable for lamp power (3 lamps)**

14...24 W

### Capabilities

**Dimming interface**

1...10 V

**Dimming range**

1...100 %<sup>1)</sup>

**Dimmable**

Yes

**Overheating protection**

Power reduction and switch off at $T > 75 ^\circ\text{C}$ at the $T_c$ point

**Suitable for fixtures with prot. class**

I

**End of lamp life safety shutdown**

EOL T.2

**Max. cable length to lamp/LED module**

1.0 m

<sup>1)</sup> Luminous flux

### Certificates & standards

**Approval marks – approval**

VDE / VDE-EMC / EL / EAC / RCM / CCC

**Standards**

Acc. to EN 61347-2-3/Acc. to EN 60929/Acc. to EN 55015:2006 + A1:2007/Acc. to EN 61000-3-2/Acc. to EN 61547

**EEI – Energy Label**

A1 BAT

**Protection class**

I

**Type of protection**

IP20

### Logistical data

**Commodity code**

850410809000
Wiring Diagram

Wiring diagram

Download Data

<table>
<thead>
<tr>
<th>File</th>
</tr>
</thead>
<tbody>
<tr>
<td>Addon Technical Information 502689_Frequent switching Quicktronic</td>
</tr>
<tr>
<td>Addon Technical Information 502785_ECG lifetime - QUICKTRONIC (DALI) DIM</td>
</tr>
<tr>
<td>Brochures 335514_Applications and luminaires solutions</td>
</tr>
<tr>
<td>Certificates 334953_EMVC-Marks approval</td>
</tr>
<tr>
<td>Certificates 335097_INOTEV 335115_ENECVE-Marks approval</td>
</tr>
<tr>
<td>Certificates 335135_Manufacturer’s declaration � Burning-in of fluorescent lamps</td>
</tr>
<tr>
<td>Certificates 335153_Manufacturer’s declaration � Low stand-by</td>
</tr>
<tr>
<td>Certificates 335154_Manufacturer’s declaration � EN 55015:2006+A1:2007 (300 MHz)</td>
</tr>
<tr>
<td>Certificates 335169_Manufacturer’s declaration � LampECG combinations: Frequent switching</td>
</tr>
</tbody>
</table>
Certificates
592319_EAC certificate for Quicktronics QT

Certificates
504208_VDE-EMC-CERTIFICATE QTI DALI DIM

Declarations of conformity
334771_Declaration of conformity

Installation/Operation notice
334142_Technical guide - ECGs for T5-lamps

Installation/Operation notice
493509_Technical application guide QUICKTRONIC Intelligent DALI DIM (GB)

Operating instructions
592412_EAC QTi TS DIM

CAD data 3-dim
321729_QTi 3x1424220-240 DIM

CAD data 3-dim
321730_QTi 3x1424220-240 DIM

CAD data 3-dim
321731_QTi 3x1424220-240 DIM

CAD data PDF
321728_QTi 3x1424220-240 DIM

---

**Logistical Data**

<table>
<thead>
<tr>
<th>Product code</th>
<th>Product description</th>
<th>Packaging unit (Pieces/Unit)</th>
<th>Dimensions (length x width x height)</th>
<th>Volume</th>
<th>Gross weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>4008321069719</td>
<td>QTi 3X14/24 DIM</td>
<td>Shipping carton box 20</td>
<td>384 mm x 90 mm x 237 mm</td>
<td>8.19 dm³</td>
<td>8672.00 g</td>
</tr>
</tbody>
</table>

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.
### QTi 3X14/24 DIM

**QUICKTRONIC INTELLIGENT DIM T5 | ECG dimmable 1...10 V for FL 16 mm**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Lamp group</th>
<th>Nominal current</th>
<th>Nominal wattage + Power loss</th>
<th>Luminous flux at 35 °C</th>
<th>Number of lighting outlets</th>
</tr>
</thead>
<tbody>
<tr>
<td>QTi 3X14/24 DIM</td>
<td>DULUX F 24 W</td>
<td>0.32 A</td>
<td>74.00 W</td>
<td>1700 lm</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>DULUX L 24 W</td>
<td>0.32 A</td>
<td>73.00 W</td>
<td>1800 lm</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>FC 22 W</td>
<td>0.32 A</td>
<td>73.00 W</td>
<td>1750 lm</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HE 14 W</td>
<td>0.20 A</td>
<td>45.30 W</td>
<td>1200 lm</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HO 24 W</td>
<td>0.32 A</td>
<td>74.00 W</td>
<td>1750 lm</td>
<td>3</td>
</tr>
</tbody>
</table>