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 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
- 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>44...120 kHz</td>
</tr>
<tr>
<td>Max. ECG no. on circuit breaker 10 A (B)</td>
<td>8 ( ^1 )</td>
</tr>
<tr>
<td>Max. ECG no. on circuit breaker 16 A (B)</td>
<td>13 ( ^1 )</td>
</tr>
<tr>
<td>Inrush current</td>
<td>45 A</td>
</tr>
</tbody>
</table>

\( ^1 \) Type B

Light technical data

Starting time                           | 0.6 s \( ^1 \)

\( ^1 \) Optimized preheat start

Dimensions & weight

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>423.0 mm</td>
</tr>
<tr>
<td>Width</td>
<td>30.0 mm</td>
</tr>
<tr>
<td>Height</td>
<td>21.0 mm</td>
</tr>
<tr>
<td>Mounting hole spacing, length</td>
<td>415.0 mm</td>
</tr>
<tr>
<td>Product weight</td>
<td>373.00 g</td>
</tr>
<tr>
<td>Cable cross-section, output side</td>
<td>0.5...1.5 / 0.5...1.0 mm(^2 ) (^1 )</td>
</tr>
<tr>
<td>Cable cross-section, input side</td>
<td>0.5...1.5 / 0.5...1.0 mm(^2 ) (^1 )</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>
Product datasheet

Permitted rel. humidity during operation 5…85 %

1) Maximum 56 days/year at 85 %

Lifespan

ECG lifetime 100000 h

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

Additional product data

Suitable for lamp power (2 lamps) 28…54 W

Capabilities

Dimming interface 1…10 V

Dimming range 1…100 %

Dimmable Yes

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

Suitable for emergency lighting Yes

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 / 1.5 m

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 III

Type of protection IP20

Logistical data

Commodity code 850410809000
Wiring Diagram

Wiring diagram

Download Data

<table>
<thead>
<tr>
<th>File</th>
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</thead>
<tbody>
<tr>
<td>Addon Technical Information</td>
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<tr>
<td>502689_Frequent switching Quicktronic</td>
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<tr>
<td>Addon Technical Information</td>
</tr>
<tr>
<td>502785_ECG lifetime - QUICKTRONIC (DALI) DIM</td>
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<tr>
<td>Product Datasheet</td>
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<tr>
<td>321501_ATI QTi 2X2854220-240 DIM (G+GB)</td>
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<td>Brochures</td>
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<td>335514_Applications and luminaires solutions</td>
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<td>334953_EMCC-Marks approval</td>
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<td>335135_Manufacturer’s declaration � Burning-in of fluorescent lamps</td>
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<tr>
<td>335153_Manufacturer’s declaration � Low stand-by</td>
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<td>Certificates</td>
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<tr>
<td>335154_Manufacturer’s declaration � EN 55015:2006+A1:2007 (300 MHz)</td>
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</table>
**Product datasheet**

Certificates
335169_Manufacturer’s declaration &#150; LampECG combinations: Frequent switching

Certificates
592319_EAC certificate for Quicktronsics 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 T5 DIM

CAD data 3-dim
313428_423x30x21 1881282

CAD data 3-dim
313430_423x30x21 1881282

CAD data 3-dim
313444_423x30x21 1881282

CAD data PDF
313416_423x30x21 1881282

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**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>4050300870717</td>
<td>QTi 2X28/54 DIM</td>
<td>Shipping carton box 20</td>
<td>435 mm x 96 mm x 170 mm</td>
<td>7.10 dm³</td>
<td>8242.00 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 2X28/54 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>
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</thead>
<tbody>
<tr>
<td>QTi 2X28/54 DIM</td>
<td>DULUX L 26 W HE</td>
<td>0.27 A</td>
<td>60.20 W</td>
<td>2700 lm</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>DULUX L 28 W HE</td>
<td>0.27 A</td>
<td>60.20 W</td>
<td>2800 lm</td>
<td>2</td>
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<tr>
<td></td>
<td>DULUX L 55 W</td>
<td>0.51 A</td>
<td>115.00 W</td>
<td>4800 lm</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>FC 55 W</td>
<td>0.51 A</td>
<td>115.00 W</td>
<td>4450 lm</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>HE 28 W</td>
<td>0.27 A</td>
<td>60.20 W</td>
<td>2600 lm</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>HO 54 W</td>
<td>0.51 A</td>
<td>115.00 W</td>
<td>4450 lm</td>
<td>2</td>
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