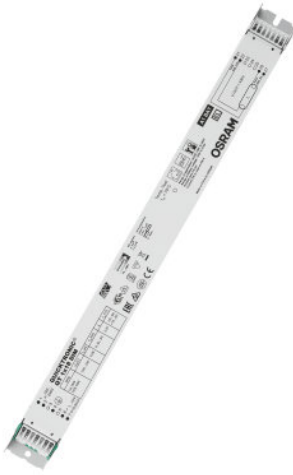


PRODUCT DATASHEET

QT 1X18 DIM

QUICKTRONIC DIM T8 | ECG for FL and CFL, dimmable 1...10 V



AREAS OF APPLICATION

- Suitable for use in emergency lighting systems as per EN 50172/DIN VDE 0108-100
- Installation in emergency lighting systems according to IEC 61347-2-3, appendix J
- Industry
- Open-plan offices, corridors and storage rooms
- Public buildings
- Suitable for luminaires of protection class I

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 energy efficiency due to cut-off technology
- Automatic restart after lamp replacement
- ECGs comply with MINERGIE standard due to very low standby consumption

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
- Power boost for stable lamp operation
- Overtemperature protection: Thermal management at high t_c temperatures

– Safety: to EN 61347-2-3

TECHNICAL DATA

Electrical data

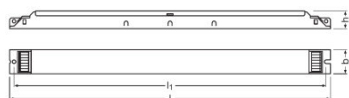
| | |
|---|------------------|
| Input voltage AC | 198...264 V |
| Nominal voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Input voltage DC | 154...276 V |
| Operating frequency | 44...120 kHz |
| Max. ECG no. on circuit breaker 10 A (B) | 25 ¹⁾ |
| Max. ECG no. on circuit breaker 16 A (B) | 41 ¹⁾ |
| Inrush current | 17 A |

¹⁾ Type B

Light technical data

| | |
|----------------------|-------|
| Starting time | 0.6 s |
|----------------------|-------|

Dimensions & weight



| | |
|---|----------------------------|
| Length | 360.0 mm |
| Width | 30.0 mm |
| Height | 21.0 mm |
| Mounting hole spacing, length | 350.0 mm |
| Product weight | 237.00 g |
| Wire preparation length, input side | 8.0...9.0 mm ¹⁾ |
| Wire preparation length, output side | 8.0...9.0 mm ¹⁾ |

¹⁾ Combi wiring

Temperatures & operating conditions

| | |
|---|--------------|
| Ambient temperature range | -20...+60 °C |
| Permitted rel. humidity during operation | 5...85 % |

Lifespan

| | |
|---------------------|------------------------|
| ECG lifetime | 100000 h ¹⁾ |
|---------------------|------------------------|

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

Expected Lifetime

| Product name | Lamp group | | | | |
|--------------|--------------|------------------------------|--------|--------|--------|
| QT 1X18 DIM | DULUX L 18 W | ECG ambient temperature [ta] | 40 | 50 | 60 |
| | | Temperature at tc-point [°C] | 50 | 60 | 70 |
| | | Lifetime [h] | 100000 | 100000 | 100000 |
| | L 18 W | ECG ambient temperature [ta] | 40 | 50 | 60 |
| | | Temperature at tc-point [°C] | 50 | 60 | 70 |
| | | Lifetime [h] | 100000 | 100000 | 100000 |

Capabilities

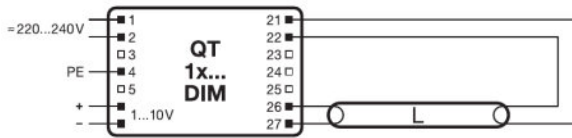
| | |
|---|-------------------------|
| Dimming interface | 1...10 V |
| Dimming range | 1...100 % ¹⁾ |
| Dimmable | Yes |
| Overload protection | Yes |
| Overheating protection | Yes |
| Suitable for fixtures with prot. class | I |
| End of lamp life safety shutdown | EOL T.2 |

¹⁾ Luminous flux

Certificates & standards











| | |
|----------------------------------|--|
| Approval marks – approval | VDE / VDE-EMC / EAC / CCC |
| Standards | Acc. to EN 55015; EN 55022Acc. to EN 61547Acc. to IEC 61000-3-2/EN 61000-3-2 |
| EEI – Energy Label | A1 BAT |
| Protection class | I |
| Type of protection | IP20 |

Wiring Diagram



Wiring diagram

DOWNLOAD DATA

| File | |
|---|---|
|  | Addon Technical Information 502785_ECG lifetime - QUICKTRONIC (DALI) DIM |
|  | Certificates 554891_EAC PT family |
|  | Certificates 335097_INOTEC |
|  | Declarations of conformity 709432_Declaration of Conformity |
|  | Installation/Operation notice 493509_Technical application guide QUICKTRONIC Intelligent DALI DIM (GB) |
|  | Operating instructions 592415_EAC-QT T8 DIM |
|  | CAD data 3-dim 545735_QT DIM 1x |
|  | CAD data 3-dim 545744_QT DIM 1x |
|  | CAD data 3-dim 545745_QT DIM 1x |
|  | CAD data PDF 545743_QT DIM 1x |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4008321645654 | Shipping carton box 20 | 385 mm x 160 mm x 100 mm | 5011.00 g | 6.16 dm ³ |

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.

QUICKTRONIC DIM T8 | ECG for FL and CFL, dimmable 1...10 V

| Product name | Lamp group | Nominal current | Nominal wattage + Power loss | Luminous flux at 35 °C | Number of lighting outlets |
|--------------|--------------|-----------------|------------------------------|------------------------|----------------------------|
| QT 1X18 DIM | DULUX L 18 W | 0.08 A | 18.90 W | 1350 lm | 1 |
| | L 18 W | 0.08 A | 18.90 W | 1350 lm | 1 |