

QTi 2X35/49 DIM

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



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 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

Product 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
- RI suppression: to EN 55015:2006+A1:2007+A2:2009/CISPR 15

Product datasheet

- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547

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)	8 ¹⁾
Max. ECG no. on circuit breaker 16 A (B)	13 ¹⁾
Inrush current	45 A

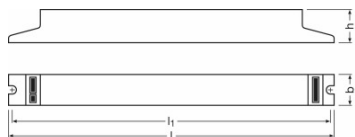
¹⁾ Type B

Light technical data

Starting time	0.6 s ¹⁾
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¹⁾ Optimized preheat start

Dimensions & weight



Length	423.0 mm
Width	30.0 mm
Height	21.0 mm
Mounting hole spacing, length	415.0 mm
Product weight	370.00 g
Wire preparation length, input side	8.0...9.0 mm ¹⁾
Wire preparation length, output side	8.0...9.0 mm ¹⁾
Cable cross-section, output side	0.5...1.5 / 0.5...1.0 mm ² ²⁾
Cable cross-section, input side	0.5...1.5 / 0.5...1.0 mm ² ²⁾

¹⁾ Combi wiring

²⁾ Solid leads / Flexible

Temperatures & operating conditions

Ambient temperature range	+10...+50 °C
Permitted rel. humidity during operation	5...85 %

Lifespan

ECG lifetime	100000 h ¹⁾
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¹⁾ At $T_{case} = 65^{\circ}C$ at T_c point / 10% failure rate

Capabilities

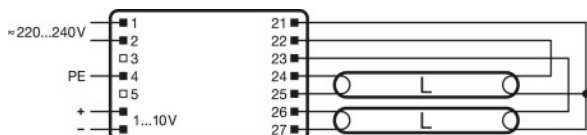
Dimming interface	1...10 V
Dimming range	1...100 % ¹⁾
Dimmable	Yes
Overload protection	Automatic switch off, reversible
Overheating protection	Power reduction and switch off at $T > 75^{\circ}C$ at the tc point
Suitable for emergency lighting	Yes
Suitable for fixtures with prot. class	I
End of lamp life safety shutdown	EOL T.2

¹⁾ Luminous flux

Certificates & standards











Approval marks – approval	VDE / VDE-EMC / ENEC 10 / EL / GOST / RCM / CCC
EEI – Energy Label	A1 BAT
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
Protection class	I
Type of protection	IP20

Wiring Diagram













Wiring diagram

Download Data

File	
	Addon Technical Information Frequent switching Quicktronic
	Addon Technical Information ECG lifetime - QUICKTRONIC (DALI) DIM
	Brochures Applications and luminaires solutions
	Certificates EMC-Marks approval
	Certificates INOTEC
	Certificates ENECVDE-Marks approval
	Certificates Manufacturer's declaration Burning-in of fluorescent lamps
	Certificates Manufacturer's declaration Low stand-by
	Certificates Manufacturer's declaration EN 55015:2006+A1:2007 (300 MHz)
	Certificates Manufacturer's declaration LampECG combinations: Frequent switching

Product datasheet

	Certificates VDE-EMC-CERTIFICATE QT1 DALI DIM
	Certificates EAC certificate for Quicktronics QT
	Declarations of conformity Declaration of conformity
	Installation/Operation notice Technical guide - ECGs for T5-lamps
	Installation/Operation notice Technical application guide QUICKTRONIC Intelligent DALI DIM (GB)
	Operating instructions EAC QT1 T5 DIM
	CAD data 3-dim 423x30x21 1881282
	CAD data 3-dim 423x30x21 1881282
	CAD data 3-dim 423x30x21 1881282
	CAD data PDF 423x30x21 1881282

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300870670	QT1 2X35/49 DIM	Shipping carton box 20	435 mm x 96 mm x 170 mm	7.10 dm ³	7642.00 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.

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Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
QTi 2X35/49 DIM	HE 35 W	0.33 A	74.50 W	3300 lm	2
	HE 35 W XT	0.33 A	74.50 W	3300 lm	2
	HO 49 W	0.45 A	103.60 W	4300 lm	2
	HO 49 W CONSTANT	0.45 A	103.60 W	4450 lm	2