PRODUCT DATASHEET
QTi 4X18 DIM

QUICKTRONIC INTELLIGENT DIM T8 | ECG dimmable 1...10 V for FL 26 mm



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 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
- Control via the 1...10 V interface

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

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- 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

TECHNICAL DATA

Electrical data

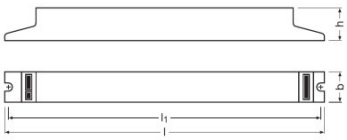
Input voltage AC	198…264 V
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Input voltage DC	154…276 V
Operating frequency	40…100 kHz
Max. ECG no. on circuit breaker 10 A (B)	12 [1)]
Max. ECG no. on circuit breaker 16 A (B)	19 [1)]
Inrush current	35 A

[1)] Type B

Light technical data

Starting time	0.6 s

Dimensions & weight



Length	360.0 mm
Width	40.0 mm
Height	21.0 mm
Mounting hole spacing, length	350.0 mm
Product weight	401.00 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 mm² [2)]

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Cable cross-section, input side	0.5…1.5 / 0.5…1.0 mm² [2]

[1] Combi wiring

[2] Solid leads / Flexible

Temperatures & operating conditions

Ambient temperature range	-20…+50 °C
Permitted rel. humidity during operation	5…85 %

Lifespan

ECG lifetime	100000 h [1]

[1] At T_{case} = 65°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 °C at the tc point
Suitable for fixtures with prot. class	I
End of lamp life safety shutdown	EOL T.2

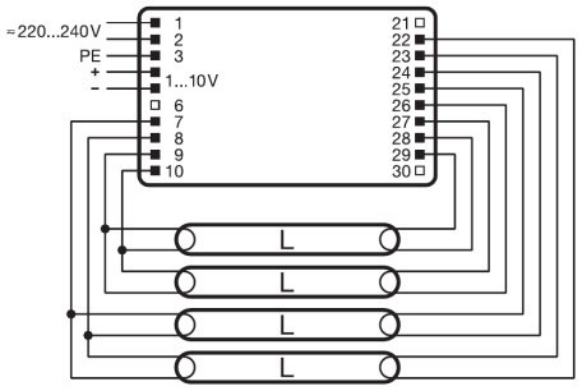
[1] Luminous flux

Certificates & standards

Approval marks – approval	VDE / E1 approval / VDE-EMC
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

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Wiring Diagram



Wiring diagram

DOWNLOAD DATA

	File
	Addon Technical Information 502689_Frequent switching Quicktronic
	Addon Technical Information 502785_ECG lifetime - QUICKTRONIC (DALI) DIM
	Product Datasheet 321519_ATI QTi 4x18220-240 DIM (G+GB)
	Certificates 554891_EAC PT family
	Certificates 334953_EMC-Marks approval
	Certificates 335097_INOTEC
	Certificates 335125_ENECVDE-Marks approval
	Certificates 335169_Manufacturer´s declaration – LampECG combinations: Frequent switching
	Certificates 504208_VDE-EMC-CERTIFICATE QTI DALI DIM
	Declarations of conformity 334957_Declaration of conformity
	Installation/Operation notice 493509_Technical application guide QUICKTRONIC Intelligent DALI DIM (GB)

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	Operating instructions 592414_EAC QTi T8 DIM
	CAD data 3-dim 321655_QTi 4x18220-240 DIM
	CAD data 3-dim 321656_QTi 4x18220-240 DIM
	CAD data 3-dim 321657_QTi 4x18220-240 DIM
	CAD data PDF 321696_QTi 4x18220-240 DIM

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321070012	QTi 4X18 DIM	Shipping carton box 20	384 mm x 90 mm x 210 mm	7.26 dm^3	8292.00 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 4X18 DIM	DULUX F 18 W	0.31 A	69.30 W	1100 lm	4
	DULUX L 18 W	0.31 A	69.30 W	1200 lm	4
	L 18 W	0.31 A	69.30 W	1350 lm	4
	L 18 W XT	0.31 A	69.30 W	1350 lm	4
	L 18 W XXT	0.31 A	69.30 W	1350 lm	4

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