OSRAM

PRODUCT DATASHEET
QT 2X18 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 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 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

Nominal wattage	36.00 W
Nominal voltage	220…240 V
Input voltage AC	198…264 V
Input voltage DC	154…276 V
Type of current	AC/DC
Inrush current	17 A
Mains frequency	50/60 Hz
Max. ECG no. on circuit breaker 10 A (B)	25 [1]
Max. ECG no. on circuit breaker 16 A (B)	41 [1]
Operating frequency	44…120 kHz

[1] Type B

Light technical data

Starting time	0.6 s

Dimensions & Weight

Length	423.00 mm
Mounting hole spacing, length	415,0 mm
Width	30.00 mm
Height	21.00 mm
Wire preparation length, input side	8.0…9.0 mm [1]
Wire preparation length, output side	8.0…9.0 mm [1]
Product weight	330.00 g

[1] Combi wiring

Colors & materials

Casing material	Metal
Body material	Metal

Temperatures & operating conditions

Ambient temperature range	-20…+60 °C
Maximum temperature at tc test point	75 °C
Max.housing temperature in case of fault	110 °C

Permitted rel. humidity during operation	5…85 % [1]

[1] Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	100000 h [1]

[1] At T_{case} = 65°C at T_c point / 10% failure rate

Capabilities

Dimmable	Yes
Dimming interface	1…10 V
Dimming range	1…100 % [1]
Overheating protection	Yes
Overload protection	Yes
Max. cable length to lamp/LED module	1.0 m / 1.5 m
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 55022 / Acc. to EN 61547 / Acc. to IEC 61000-3-2/EN 61000-3-2
Protection class	I
Type of protection	IP20
Energy efficiency class	A1
EEI – Energy Label	A1 BAT

LOGISTICAL DATA

Temperature range at storage	-40…+85 °C

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	493509_Technical application guide QUICKTRONIC Intelligent DALI DIM (GB)

	Documents and certificates	Document name
PDF	User instruction / safety instructions	592415_EAC-QT T8 DIM
PDF	Declarations of conformity	709432_Declaration of Conformity
PDF	Certificates	554891_EAC PT family
PDF	Certificates	335097_INOTEC

	CAD/BIM files	Document name
PDF	CAD data 3D PDF	545736_QT DIM 2x

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321645852	Unpacked 1		330.00 g	
4008321645869	Shipping box 20	447 mm x 160 mm x 101 mm	6794.00 g	7.22 dm³

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.