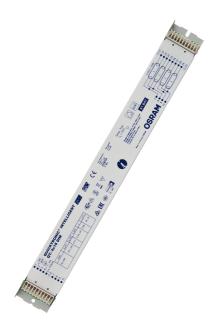


# PRODUCT DATASHEET QTi 4X18 DIM

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  $^{\circ}C$  at T  $_{\text{C}}\!)$
- 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  $t_{\rm c}$  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

Nominal wattage	69.00 W
Nominal voltage	220240 V
Input voltage AC	198264 V
Input voltage DC	154276 V
Type of current	AC/DC
Inrush current	35 A
Mains frequency	50/60 Hz
Max. ECG no. on circuit breaker 10 A (B)	12 1)
Max. ECG no. on circuit breaker 16 A (B)	19 <sup>1)</sup>
Operating frequency	40100 kHz

<sup>1)</sup> Type B

# Light technical data

Starting time	0.6 s

# Dimensions & Weight

Length	360.00 mm
Mounting hole spacing, length	350,0 mm
Width	40.00 mm
Height	21.00 mm
Cable cross-section, input side	0.51.5 mm² / 0,51,0 mm² <sup>1)</sup>
Cable cross-section, output side	0.51.5 mm² / 0,51,0 mm² <sup>1)</sup>
Wire preparation length, input side	8.09.0 mm <sup>2)</sup>
Wire preparation length, output side	8.09.0 mm <sup>2)</sup>
Product weight	401.00 g

<sup>1)</sup> Solid leads / Flexible

## Colors & materials

Casing material	Metal
Body material	Metal

# Temperatures & operating conditions

<sup>2)</sup> Combi wiring

Ambient temperature range	-20+50 °C
Maximum temperature at tc test point	75 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	585 % <sup>1)</sup>

<sup>1)</sup> Maximum 56 days/year at 85 %

## Lifespan

<sup>1)</sup> At  $T_{case} = 65$ °C at  $T_{c}$  point / 10% failure rate

## Capabilities

Dimmable Yes	
Dimming interface	110 V
Dimming range	1100 % <sup>1)</sup>
Overheating protection	Power reduction and switch off at T > 75 °C at the tc point
Overload protection	Automatic switch off, reversible
Suitable for fixtures with prot. class	I
End of lamp life safety shutdown	EOL T.2

<sup>1)</sup> Luminous flux

## Certificates & Standards

Approval marks – approval	VDE / VDE-EMC / EAC / CCC	
Standards Acc. to EN 61347-2-3 / Acc. to EN 60929 / Acc. to EN 61929 / Acc. to EN 61547		
Protection class	1	
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	
POF	User instruction / safety instructions	493509_Technical application guide QUICKTRONIC Intelligent DALI DIM (GB)	
POF	User instruction / safety instructions	592414_EAC QTi T8 DIM	
POF	Declarations of conformity	334957_Declaration of conformity	
POF	Certificates	334953_EMC-Marks approval	
PDF	Certificates	554891_EAC PT family	
POF	Certificates	335097_INOTEC	
PDF	Certificates	504208_VDE-EMC-CERTIFICATE QTI DALI DIM	
PDF	Certificates	335125_ENEC/VDE-Marks approval	
POF	Certificates	335169_Manufacturer's declaration - Lamp/ECG combinations: Frequent switching	
	CAD/BIM files	Document name	
POF	CAD data 3D PDF	321696_QTi 4x18/220-240 DIM	

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321070012	Unpacked 1		401.00 g	
4008321070029	Shipping box 20	384 mm x 90 mm x 210 mm	8292.00 g	7.26 dm <sup>3</sup>

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.