

## QTi DALI 2X58 DIM

QUICKTRONIC INTELLIGENT DALI DIM T8 | ECG dimmable DALI 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
- Sports halls and factories
- Strip lighting
- Suitable for luminaires of protection class I

### Product benefits

- System+ Guarantee available
- Easy integration in luminaire thanks to same dimensions like DALI GI ECG
- TouchDIM function for easy and inexpensive dimming of several ECGs
- Same luminous flux with direct and alternating current
- Dimming of amalgam lamps without flickering or reduced lifespan
- Automatic restart after lamp replacement

### DALI product features

- Control via the DALI interface
- Compliance with the DALI Version-1 and IEC 60929
- Control input protected against overvoltage and polarity reversal (OSRAM ECG)

### Touch DIM and Touch DIM Sensor function

- Manual dimming without controller and with standard switches
- Including memory function (double click) and soft start

### Product features

- Corridor function for direct connection of ECG to common motion sensor

## Product datasheet

- Corridor function with pre-programmed light program
- Touch DIM function for free parameterization of light value and turn on time
- Fit for SMART GRID for feedback of consumed mains power and lamp operating hours
- Fit for emergency function for automatic detection of emergency lighting by ECG
- Very low standby power consumption: < 0.2 W (A1 BAT)
- Lifetime: > 100,000 h (for  $T = 65\text{ °C}$  at  $T_c$ )
- Very high number of switching cycles: up to 300,000
- Dimming range: 1...100 % (3...100 % with compact fluorescent lamp)
- POWER2LAMP function for optimal matching of ECG power to lamp during lamp lifetime
- Line frequency: 0 Hz, 50...60 Hz, rectified AC

# Product datasheet

## 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	46...120 kHz
Max. ECG no. on circuit breaker 10 A (B)	8 <sup>1)</sup>
Max. ECG no. on circuit breaker 16 A (B)	13 <sup>1)</sup>
Inrush current	45 A

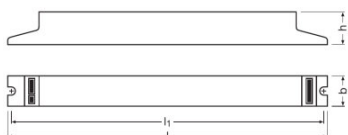
<sup>1)</sup> Type B

### Light technical data

Starting time	0.6 s <sup>1)</sup>
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<sup>1)</sup> 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
Cable cross-section, output side	0.5...1.5 / 0.5...1.0 mm <sup>2</sup> <sup>1)</sup>
Cable cross-section, input side	0.5...1.5 / 0.5...1.0 mm <sup>2</sup> <sup>1)</sup>

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

### Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
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## Product datasheet

<b>Permitted rel. humidity during operation</b>	5...85 %
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### Lifespan

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

### Expected Lifetime

Product name	Lamp group				
QTi DALI 2X58 DIM	L 58 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	65	75
		Lifetime [h]	100000	100000	90000

### Capabilities

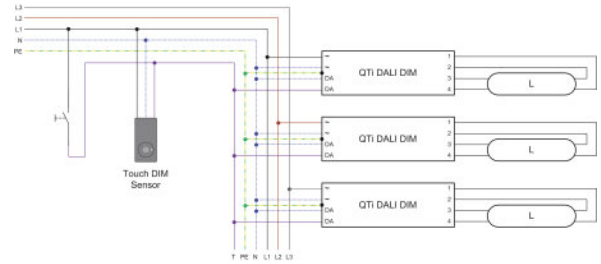
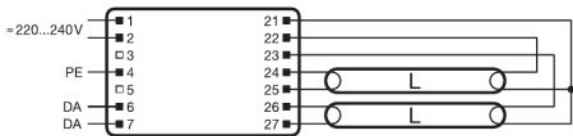
<b>Dimming interface</b>	DALI / Touch DIM / Touch DIM Sensor
<b>Dimming range</b>	1...100 % <sup>1)</sup>
<b>Dimmable</b>	Yes
<b>Overheating protection</b>	Power reduction and switch off at $T > 75^{\circ}C$ at the tc point
<b>Suitable for fixtures with prot. class</b>	I
<b>End of lamp life safety shutdown</b>	EOL T.2

<sup>1)</sup> Luminous flux

### Certificates & standards

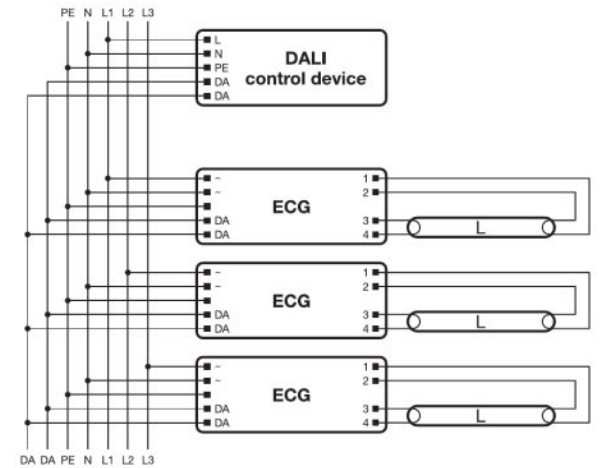
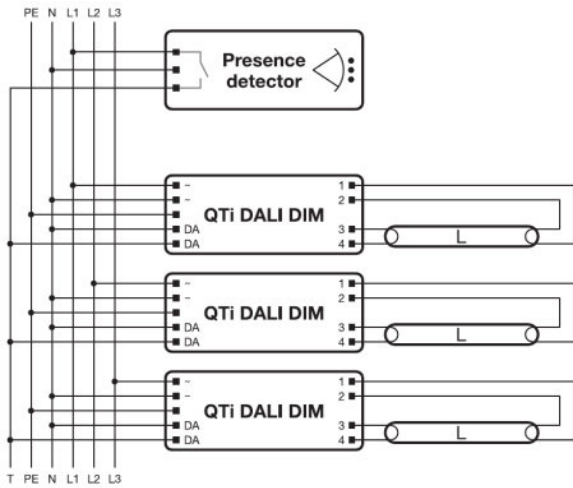
<b>Approval marks – approval</b>	VDE / VDE-EMC / ENEC 10 / EL / GOST / RCM / CCC
<b>Standards</b>	Acc. to EN 61347-2-3/Acc. to EN 60929/Acc. to EN 55015:2006 + A1:2007/Acc. to EN 61000-3-2/Acc. to EN 61547/Acc. to IEC 62386-101:Ed1/Acc. to IEC 62386-102:Ed1
<b>EEI – Energy Label</b>	A1 BAT
<b>Protection class</b>	I
<b>Type of protection</b>	IP20

Wiring Diagram



Wiring diagram

Wiring diagram























Wiring diagram

Wiring diagram

[Download Data](#)

## Product datasheet

File	
	Addon Technical Information 502689_Frequent switching Quicktronic
	Addon Technical Information 502785_ECG lifetime - QUICKTRONIC (DALI) DIM
	Product Datasheet 321488_ATI QT <i>i</i> DALI 2x58 DIM (G+GB)
	Brochures 333874_Bochure &#150; DALI partner
	Certificates 335097_INOTEC
	Certificates 335125_ENECVDE-Marks approval
	Certificates 335135_Manufacturer's declaration &#150; Burning-in of fluorescent lamps
	Certificates 335153_Manufacturer's declaration &#150; Low stand-by
	Certificates 335154_Manufacturer's declaration &#150; EN 55015:2006+A1:2007 (300 MHz)
	Certificates 335169_Manufacturer's declaration &#150; LampECG combinations: Frequent switching
	Certificates 335190_Manufacturer's declaration &#150;Additional hints
	Certificates 592319_EAC certificate for Quicktronics QT
	Certificates 504208_VDE-EMC-CERTIFICATE QT <i>i</i> DALI DIM
	Declarations of conformity 334957_Declaration of conformity
	Installation/Operation notice 493509_Technical application guide QUICKTRONIC Intelligent DALI DIM (GB)
	Operating instructions 592413_EAC QT <i>i</i> T8 DALI DIM
	CAD data 3-dim 313428_423x30x21 1881282
	CAD data 3-dim 313430_423x30x21 1881282
	CAD data 3-dim 313444_423x30x21 1881282
	CAD data PDF 313416_423x30x21 1881282

## Logistical Data

## Product datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300870847	QTi DALI 2X58 DIM	Shipping carton box 20	455 mm x 98 mm x 163 mm	7.27 dm <sup>3</sup>	7640.00 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.

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### References / Links

For more information on the system guarantee and the terms and conditions of the guarantee visit

- ▶ [www.osram.com/system-guarantee](http://www.osram.com/system-guarantee)

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### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

## QTi DALI 2X58 DIM

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Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
QTi DALI 2X58 DIM	L 58 W	0.47 A	108.00 W	5000 lm	2
	L 58 W XT	0.47 A	108.00 W	5000 lm	2
	L 58 W XXT	0.47 A	108.00 W	5000 lm	2