

PRODUCT DATASHEET QTi DALI 4X14/24 DIM

QUICKTRONIC® INTELLIGENT DALI DIM T5 | ECG dimmable DALI for FL 16 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
- Shop 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
- 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: < 0.5 W
- Lifetime: > 100,000 h (for T = 65 °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

TECHNICAL DATA

Electrical data

Nominal wattage	97.60 W	
Nominal voltage	220240 V	
Input voltage AC	198264 V	
Input voltage DC	154276 V	
Type of current	AC/DC	
Inrush current	45 A	
Mains frequency	50/60 Hz	
Max. ECG no. on circuit breaker 10 A (B)	8 1)	
Max. ECG no. on circuit breaker 16 A (B)	13 1)	
Operating frequency	40100 kHz	
Power loss in stand-by mode	< 0.5 W	

¹⁾ Type B

Light technical data

Starting time	0.6 s
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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 mm ² / 0,51,0 mm ² ¹⁾	
Cable cross-section, output side	0.51.5 mm ² / 0,51,0 mm ² ¹⁾	
Wire preparation length, input side	8.09.0 mm ²⁾	
Wire preparation length, output side	8.09.0 mm ²⁾	
Product weight	380.00 g	

¹⁾ Solid leads / Flexible

Colors & materials

Casing material	Metal
Body material	Metal

²⁾ Combi wiring

Temperatures & operating conditions

Ambient temperature range	+10+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 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

¹⁾ At $T_{case} = 65^{\circ}C$ at T_{c} point / 10% failure rate

Capabilities

Dimmable Yes		
Dimming interface DALI / Touch DIM / Touch DIM Sensor		
Dimming range	1100 % ¹⁾	
Overheating protection Power reduction and switch off at T > 75 °C at the tc point		
Overload protection	Yes	
Max. cable length to lamp/LED module	1,0 m	
Suitable for fixtures with prot. class	1	
End of lamp life safety shutdown	EOL T.2	

¹⁾ Luminous flux

Certificates & Standards

Approval marks – approval	VDE / VDE-EMC / EL / EAC / RCM / CCC	
Standards	Acc. to EN 55015; EN 55022 / 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 62386-102:Ed1 / Acc. to IEC 62386-101:Ed1	
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
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Energy labelling regulation data acc EU 2019/2015

DOWNLOAD DATA

	Documents and certificates	Document name	
POF	User instruction / safety instructions	334142_Technical guide - ECGs for T5-lamps	
POF	User instruction / safety instructions	493509_Technical application guide QUICKTRONIC Intelligent DALI DIM (GB)	
POF	User instruction / safety instructions	592411_EAC QTi T5 DALI DIM	
POF	Declarations of conformity	334957_Declaration of conformity	
POF	Certificates	335153_Manufacturer's declaration – Low stand-by	
POF	Certificates	335154_Manufacturer's declaration - EN 55015:2006+A1:2007 (300 MHz)	
POF	Certificates	554891_EAC PT family	
PDF	Certificates	335125_ENEC/VDE-Marks approval	
POF	Certificates	335135_Manufacturer's declaration – Burning-in of fluorescent lamps	
POF	Certificates	335169_Manufacturer's declaration - Lamp/ECG combinations: Frequent switching	
PDF	Certificates	504208_VDE-EMC-CERTIFICATE QTI DALI DIM	
POF	Certificates	335097_INOTEC	
	CAD/BIM files	Document name	

LOGISTICAL DATA

CAD data 3D PDF

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321070036	Unpacked 1		380.00 g	

313387_360x40x21 9900042

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321070043	Shipping box 20	380 mm x 96 mm x 206 mm	7872.50 g	7.51 dm ³

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.

References / Links

- For more information on the system guarantee and the terms and conditions of the guarantee visit www.ledvance.com/system-guarantee

DISCLAIMER

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