

PRODUCT DATASHEET

QTi DALI 2X35/49/80 DIM

Starters for single operation at 230 V AC (ST 111, ST 171, ST 173) | Starters for single operation at 230 V AC



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 T₀)
- 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	165.00 W
Nominal voltage	220...240 V
Type of current	AC/DC
Inrush current	60 A
Operating frequency	44...120 kHz
Mains frequency	50/60 Hz

Light technical data

Starting time	0.6 s
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Dimensions & Weight

Product weight	370.00 g
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Temperatures & operating conditions

Ambient temperature range	+10...+50 °C
Maximum temperature at tc test point	75 °C

Additional product data

Mercury content	0.0 mg
Design / version	ECG DALI

Capabilities

Dimmable	Yes
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Certificates & Standards

Energy efficiency class	A1
Type of protection	IP20
Standards	Acc. to EN 55015; EN 55022 / Acc. to IEC 61000-3-2/EN 61000-3-2 / Acc. to IEC 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

Country-specific categorizations

Order reference	QTIDALI 2X35/49
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LOGISTICAL DATA

Temperature range at storage	-40...+85 °C
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Energy labelling regulation data acc EU 2019/2015

Networked standby power for CLS	< 0.25 W
Length	423.00 mm
Height	21.00 mm
Width	30.00 mm

DOWNLOAD DATA

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

CAD/BIM files		Document name
	CAD data 3D PDF	313416_423x30x21 1881282

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300870441	Unpacked 1		370.00 g	
4050300870458	Shipping box 20	435 mm x 96 mm x 170 mm	7642.00 g	7.10 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

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