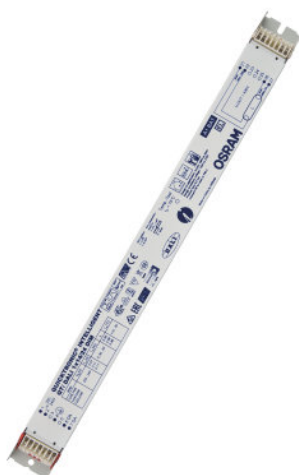


QUICKTRONIC INTELLIGENT DALI DIM T5

ECG dimmable DALI for FL 16 mm



Product family 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

Product family 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 family datasheet

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 family datasheet

Technical data

Product description	Electrical data				Light technical data	Dimensions & weight
	Input voltage AC	Nominal voltage	Mains frequency	Input voltage DC	Starting time	Length
QTi DALI 1X14/24 DIM	198...264 V	220...240 V	50...60 Hz	154...276 V	0.6 s ¹⁾	360.0 mm
QTi DALI 1X21/39 DIM	198...264 V	220...240 V	50...60 Hz	154...276 V	0.6 s ¹⁾	360.0 mm
QTi DALI 1X28/54 DIM	198...264 V	220...240 V	50...60 Hz	154...276 V	0.6 s ¹⁾	360.0 mm
QTi DALI 1X35/49/80 DIM	198...264 V	220...240 V	50...60 Hz	154...276 V	0.6 s ¹⁾	360.0 mm
QTi DALI 2X14/24 DIM	198...264 V	220...240 V	50...60 Hz	154...276 V	0.6 s ¹⁾	423.0 mm
QTi DALI 2X21/39 DIM	198...264 V	220...240 V	50...60 Hz	154...276 V	0.6 s ¹⁾	423.0 mm
QTi DALI 2X28/54 DIM	198...264 V	220...240 V	50...60 Hz	154...276 V	0.6 s ¹⁾	423.0 mm
QTi DALI 2X35/49 DIM	198...264 V	220...240 V	50...60 Hz	154...276 V	0.6 s ¹⁾	423.0 mm
QTi DALI 2X35/49/80 DIM	198...264 V	220...240 V	50...60 Hz	154...276 V	0.6 s ¹⁾	423.0 mm
QTi DALI 3X14/24 DIM	198...264 V	220...240 V	50...60 Hz	154...276 V	0.6 s ¹⁾	360.0 mm
QTi DALI 4X14/24 DIM	198...264 V	220...240 V	50...60 Hz	154...276 V	0.6 s ¹⁾	360.0 mm
QTi DALI 1X18 DIM	198...264 V	220...240 V	50...60 Hz	154...276 V	0.6 s ¹⁾	360.0 mm

Product description	Width	Height	Mounting hole spacing, length	Product weight	Cable cross-section, input side	Cable cross-section, output side
QTi DALI 1X14/24 DIM	30.0 mm	21.0 mm	350.0 mm	278.00 g	0.5...1.5 / 0.5...1.0 mm ^{2 2)}	0.5...1.5 / 0.5...1.0 mm ^{2 2)}
QTi DALI 1X21/39 DIM	30.0 mm	21.0 mm	350.0 mm	270.00 g	0.5...1.5 / 0.5...1.0 mm ^{2 2)}	0.5...1.5 / 0.5...1.0 mm ^{2 2)}
QTi DALI 1X28/54 DIM	30.0 mm	21.0 mm	350.0 mm	270.00 g	0.5...1.5 / 0.5...1.0 mm ^{2 2)}	0.5...1.5 / 0.5...1.0 mm ^{2 2)}
QTi DALI 1X35/49/80 DIM	30.0 mm	21.0 mm	350.0 mm	278.00 g	0.5...1.5 / 0.5...1.0 mm ^{2 2)}	0.5...1.5 / 0.5...1.0 mm ^{2 2)}
QTi DALI 2X14/24 DIM	30.0 mm	21.0 mm	415.0 mm	370.00 g	0.5...1.5 / 0.5...1.0 mm ^{2 2)}	0.5...1.5 / 0.5...1.0 mm ^{2 2)}
QTi DALI 2X21/39 DIM	30.0 mm	21.0 mm	415.0 mm	370.00 g	0.5...1.5 / 0.5...1.0 mm ^{2 2)}	0.5...1.5 / 0.5...1.0 mm ^{2 2)}
QTi DALI 2X28/54 DIM	30.0 mm	21.0 mm	415.0 mm	370.00 g	0.5...1.5 / 0.5...1.0 mm ^{2 2)}	0.5...1.5 / 0.5...1.0 mm ^{2 2)}
QTi DALI 2X35/49 DIM	30.0 mm	21.0 mm	415.0 mm	370.00 g	0.5...1.5 / 0.5...1.0 mm ^{2 2)}	0.5...1.5 / 0.5...1.0 mm ^{2 2)}
QTi DALI 2X35/49/80 DIM	30.0 mm	21.0 mm	415.0 mm	370.00 g	0.5...1.5 / 0.5...1.0 mm ^{2 2)}	0.5...1.5 / 0.5...1.0 mm ^{2 2)}
QTi DALI 3X14/24 DIM	40.0 mm	21.0 mm	350.0 mm	386.00 g	0.5...1.5 / 0.5...1.0 mm ^{2 2)}	0.5...1.5 / 0.5...1.0 mm ^{2 2)}
QTi DALI 4X14/24 DIM	40.0 mm	21.0 mm	350.0 mm	380.00 g	0.5...1.5 / 0.5...1.0 mm ^{2 2)}	0.5...1.5 / 0.5...1.0 mm ^{2 2)}
QTi DALI 1X18 DIM	30.0 mm	21.0 mm	350.0 mm	278.00 g	0.5...1.5 / 0.5...1.0 mm ^{2 2)}	0.5...1.5 / 0.5...1.0 mm ^{2 2)}

Product family datasheet

Product description	Temperatures & operating conditions	Lifespan	Capabilities		
	Ambient temperature range	ECG lifetime	Dimmable	Suitable for fixtures with prot. class	End of lamp life safety shutdown
QTi DALI 1X14/24 DIM	+10...+50 °C	100000 h ³⁾	Yes	I	EOL T.2
QTi DALI 1X21/39 DIM	+10...+50 °C	100000 h ³⁾	Yes	I	EOL T.2
QTi DALI 1X28/54 DIM	+10...+50 °C	100000 h ³⁾	Yes	I	EOL T.2
QTi DALI 1X35/49/80 DIM	+10...+50 °C	100000 h ³⁾	Yes	I	EOL T.2
QTi DALI 2X14/24 DIM	+10...+50 °C	100000 h ³⁾	Yes	I	EOL T.2
QTi DALI 2X21/39 DIM	+10...+50 °C	100000 h ³⁾	Yes	I	EOL T.2
QTi DALI 2X28/54 DIM	+10...+50 °C	100000 h ³⁾	Yes	I	EOL T.2
QTi DALI 2X35/49 DIM	+10...+50 °C	100000 h ³⁾	Yes	I	EOL T.2
QTi DALI 2X35/49/80 DIM	+10...+50 °C	100000 h ³⁾	Yes	I	EOL T.2
QTi DALI 3X14/24 DIM	+10...+50 °C	100000 h ³⁾	Yes	I	EOL T.2
QTi DALI 4X14/24 DIM	+10...+50 °C	100000 h ³⁾	Yes	I	EOL T.2
QTi DALI 1X18 DIM	-20...+50 °C	100000 h ³⁾	Yes	I	EOL T.2

Product description	Certificates & standards		Logistical data	Environmental information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)
	Approval marks – approval	Protection class	Commodity code	Date of Declaration
QTi DALI 1X14/24 DIM	VDE / VDE-EMC / EL / EAC / RCM / CCC	I	850410809000	14-04-2022
QTi DALI 1X21/39 DIM	VDE / VDE-EMC / EL / EAC / RCM / CCC	I	850410809000	14-04-2022
QTi DALI 1X28/54 DIM	VDE / VDE-EMC / EL / EAC / RCM / CCC	I	850410809000	14-04-2022
QTi DALI 1X35/49/80 DIM	VDE / VDE-EMC / EL / EAC / RCM / CCC	I	850410809000	14-04-2022
QTi DALI 2X14/24 DIM	VDE / VDE-EMC / EL / EAC / RCM / CCC	I	850410809000	14-04-2022
QTi DALI 2X21/39 DIM	VDE / VDE-EMC / EL / EAC / RCM / CCC	I	850410809000	14-04-2022
QTi DALI 2X28/54 DIM	VDE / VDE-EMC / EL / EAC / RCM / CCC	I	850410809000	14-04-2022
QTi DALI 2X35/49 DIM	VDE / VDE-EMC / EL / EAC / RCM / CCC	I	850410809000	06-05-2022
QTi DALI 2X35/49/80 DIM	VDE / VDE-EMC / EL / EAC / RCM / CCC	I	850410809000	14-04-2022
QTi DALI 3X14/24 DIM	VDE / VDE-EMC / EL / EAC / RCM / CCC	I	850410809000	14-04-2022
QTi DALI 4X14/24 DIM	VDE / VDE-EMC / EL / EAC / RCM / CCC	I	850410809000	14-04-2022

Product family datasheet

Product description	Certificates & standards		Logistical data	Environmental information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)
	Approval marks – approval	Protection class	Commodity code	Date of Declaration
QTi DALI 1X18 DIM	VDE / VDE-EMC / ENEC 10 / EL / GOST / RCM / CCC	I	850410809000	06-05-2022

Product description	Primary Article Identifier	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction
QTi DALI 1X14/24 DIM	4050300870380	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
QTi DALI 1X21/39 DIM	4050300870366	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
QTi DALI 1X28/54 DIM	4050300870809	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
QTi DALI 1X35/49/80 DIM	4050300870342	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
QTi DALI 2X14/24 DIM	4050300870861	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
QTi DALI 2X21/39 DIM	4050300870489	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.

Product family datasheet

Product description	Primary Article Identifier	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction
QTi DALI 2X28/54 DIM	4050300870502	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
QTi DALI 2X35/49 DIM	4050300870465	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
QTi DALI 2X35/49/80 DIM	4050300870441	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
QTi DALI 3X14/24 DIM	4008321069955	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
QTi DALI 4X14/24 DIM	4008321070036	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
QTi DALI 1X18 DIM	4050300870403	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.

Product description	Declaration No. in SCIP database
QTi DALI 1X14/24 DIM	60e73f42-1e71-4b30-bc60-1a79326167b1
QTi DALI 1X21/39 DIM	4f0f5a41-92de-4b32-8185-800833250b63
QTi DALI 1X28/54 DIM	e3bb252d-4962-4b8e-bccd-cfc5cb474662
QTi DALI 1X35/49/80 DIM	67613a92-c65d-44d8-b3eb-28157618da8f

Product family datasheet

Product description	Declaration No. in SCIP database
QTi DALI 2X14/24 DIM	a0b4d2ab-f334-4a6e-bae5-bdd942c76c5c
QTi DALI 2X21/39 DIM	488646ea-466d-4c10-bd31-76bafc488ddd
QTi DALI 2X28/54 DIM	e9488f1b-fd97-41b2-af78-a4da7528dd7f
QTi DALI 2X35/49 DIM	93adcde2-9310-46c8-8db7-c1003077d487
QTi DALI 2X35/49/80 DIM	81d9228f-dbd8-487d-a82e-13d45b6b59f6
QTi DALI 3X14/24 DIM	df5c4508-9816-4550-89b7-8bddc2176ebb
QTi DALI 4X14/24 DIM	43983d7d-6ec2-4912-a23b-dee43d0146d9
QTi DALI 1X18 DIM	4a383c3c-6faa-4856-8308-a79d20fe63af

1) Optimized preheat start

2) Solid leads

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

Product family datasheet

Application advice

For more detailed application information and graphics please see product datasheet.

Additional product information

- In order to achieve good radio interference suppression:1. Keep the cable between ECG and lamp as short as possible.2. The single lamp wires must be routed as close as possible to each other, whereas the lines of the different lamp ends must be routed separately.

Sales and Technical Support

Sales and Technical Support www.osram.com











Country specific information

Product description	Product code	METEL code	SEG-No.	STK-Number	UK Org
QTi DALI 1X14/24 DIM	4050300870380	OSRQTIDALI1X1424	-	-	-
QTi DALI 1X14/24 DIM	4050300870380	OSRQTIDALI1X1424	-	-	-
QTi DALI 1X21/39 DIM	4050300870366	OSRQTIDALI1X2139	-	4030188	-
QTi DALI 1X21/39 DIM	4050300870366	OSRQTIDALI1X2139	-	4030188	-
QTi DALI 1X28/54 DIM	4050300870809	OSRQTIDALI1X2854	-	4030116	-
QTi DALI 1X28/54 DIM	4050300870809	OSRQTIDALI1X2854	-	4030116	-
QTi DALI 1X35/49/80 DIM	4050300870342	OSRQTIDALI1X3580	-	-	-
QTi DALI 1X35/49/80 DIM	4050300870342	OSRQTIDALI1X3580	-	-	-
QTi DALI 2X14/24 DIM	4050300870861	OSRQTIDALI2X1424	-	-	-
QTi DALI 2X14/24 DIM	4050300870861	OSRQTIDALI2X1424	-	-	-
QTi DALI 2X21/39 DIM	4050300870489	OSRQTIDALI2X2139	-	-	-
QTi DALI 2X21/39 DIM	4050300870489	OSRQTIDALI2X2139	-	-	-
QTi DALI 2X28/54 DIM	4050300870502	OSRQTIDALI2X2854	-	-	-
QTi DALI 2X28/54 DIM	4050300870502	OSRQTIDALI2X2854	-	-	-

Product family datasheet

QTi DALI 2X35/49 DIM	4050300870465	OSRQTIDALI2X3549	-	-	-
QTi DALI 2X35/49 DIM	4050300870465	OSRQTIDALI2X3549	-	-	-
QTi DALI 2X35/49/80 DIM	4050300870441	OSRQTIDALI2X3580	-	-	-
QTi DALI 2X35/49/80 DIM	4050300870441	OSRQTIDALI2X3580	-	-	-
QTi DALI 3X14/24 DIM	4008321069955	OSRQTIDALI3X1424	-	-	-
QTi DALI 3X14/24 DIM	4008321069955	OSRQTIDALI3X1424	-	-	-
QTi DALI 4X14/24 DIM	4008321070036	OSRQTIDALI4X1424	-	-	-
QTi DALI 4X14/24 DIM	4008321070036	OSRQTIDALI4X1424	-	-	-
QTi DALI 1X18 DIM	4050300870403	OSRQTIDALI1X18	-	-	-
QTi DALI 1X18 DIM	4050300870403	OSRQTIDALI1X18	-	-	-




Download Data

File	
	User instruction QUICKTRONIC QTi T5 DALI DIM
	Addon Technical Information 502689_Frequent switching Quicktronic
	Addon Technical Information 502785_ECG lifetime - QUICKTRONIC (DALI) DIM
	Product Datasheet 321525_ATI QTi DALI 1x14-24 DIM (G+GB)
	Certificates 335097_INOTEC
	Certificates QTI DALI VDE 40021252 210920
	Certificates 335135_Manufacturer's declaration – Burning-in of fluorescent lamps
	Certificates 335153_Manufacturer's declaration – Low stand-by
	Certificates 335154_Manufacturer's declaration – EN 55015:2006+A1:2007 (300 MHz)
	Certificates 335169_Manufacturer's declaration – LampECG combinations: Frequent switching

Product family datasheet

	Certificates 592319_EAC certificate for Quicktronics QT
	Certificates 504208_VDE-EMC-CERTIFICATE QTl DALI DIM
	Declarations of conformity QUICKTRONIC DIM CE 3364258 190821
	Operating instructions 592411_EAC QTl T5 DALI DIM
	CAD data 3-dim 313432_360x30x21 1881281
	CAD data 3-dim 313433_360x30x21 1881281
	CAD data 3-dim 313453_360x30x21 1881281
	CAD data PDF 313406_360x30x21 1881281
	Product Datasheet 321465_ATI QTl DALI 1x2139 DIM (G+GB)
	Product Datasheet 321474_ATI QTl DALI 1x2854 DIM (G+GB)
	Product Datasheet 321475_ATI QTl DALI 1x354980 DIM (G+GB)
	Product Datasheet 321476_ATI QTl DALI 2x1424 DIM (G+GB)
	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
	Product Datasheet 321477_ATI QTl DALI 2x2139 DIM (G+GB)
	Product Datasheet 321478_ATI QTl DALI 2x2854 DIM (G+GB)
	CAD data 3-dim 313451_360x40x21 9900042
	CAD data 3-dim 313478_360x40x21 9900042
	CAD data 3-dim 314276_360x40x21 9900042
	CAD data PDF 313387_360x40x21 9900042
	Product Datasheet 321482_ATI QTl DALI 4x1424 DIM (G+GB)

Product family datasheet

	Product Datasheet 321483_ATI QT <i>i</i> DALI 1x18 DIM (G+GB)
	Certificates Manufacturer's declaration_Additional hints (EN)
	Operating instructions 592413_EAC QT <i>i</i> T8 DALI DIM

Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300870380	QT <i>i</i> DALI 1X14/24 DIM	Shipping carton box 20	392 mm x 165 mm x 98 mm	6.34 dm ³	5680.00 g
4050300870366	QT <i>i</i> DALI 1X21/39 DIM	Shipping carton box 20	392 mm x 98 mm x 165 mm	6.34 dm ³	6319.99 g
4050300870809	QT <i>i</i> DALI 1X28/54 DIM	Shipping carton box 20	392 mm x 98 mm x 165 mm	6.34 dm ³	5579.99 g
4050300870342	QT <i>i</i> DALI 1X35/49/80 DIM	Shipping carton box 20	392 mm x 98 mm x 165 mm	6.34 dm ³	5779.99 g
4050300870861	QT <i>i</i> DALI 2X14/24 DIM	Shipping carton box 20	455 mm x 98 mm x 163 mm	7.27 dm ³	7640.00 g
4050300870489	QT <i>i</i> DALI 2X21/39 DIM	Shipping carton box 20	455 mm x 98 mm x 163 mm	7.27 dm ³	7640.00 g
4050300870502	QT <i>i</i> DALI 2X28/54 DIM	Shipping carton box 20	455 mm x 98 mm x 163 mm	7.27 dm ³	7640.00 g
4050300870465	QT <i>i</i> DALI 2X35/49 DIM	Shipping carton box 20	435 mm x 96 mm x 170 mm	7.10 dm ³	7642.00 g
4050300870441	QT <i>i</i> DALI 2X35/49/80 DIM	Shipping carton box 20	435 mm x 96 mm x 170 mm	7.10 dm ³	7642.00 g
4008321069955	QT <i>i</i> DALI 3X14/24 DIM	Shipping carton box 20	380 mm x 96 mm x 206 mm	7.51 dm ³	8672.50 g
4008321070036	QT <i>i</i> DALI 4X14/24 DIM	Shipping carton box 20	380 mm x 96 mm x 206 mm	7.51 dm ³	7872.50 g
4050300870403	QT <i>i</i> DALI 1X18 DIM	Shipping carton box 20	392 mm x 98 mm x 165 mm	6.34 dm ³	6319.99 g

Product family datasheet

Logistical Data

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.osram.com/system-guarantee

Disclaimer

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