

QUICKTRONIC INTELLIGENT DIM T5

ECG dimmable 1...10 V for FL 16 mm



Product family 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 $T = 65\text{ }^{\circ}\text{C}$ at T_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_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

Product family 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

Areas of application

- Suitable for emergency installations
- Industry
- Open-plan offices, corridors and storage rooms
- Public buildings
- 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 1X14/24 DIM	198...264 V	220...240 V	50/60 Hz	154...276 V	0.6 s ¹⁾	360.0 mm
QTi 2X14/24 DIM	198...264 V	220...240 V	50...60 Hz	154...276 V	0.6 s ¹⁾	423.0 mm
QTi 2X21/39 DIM	198...264 V	220...240 V	50...60 Hz	154...276 V	0.6 s ¹⁾	423.0 mm
QTi 3X14/24 DIM	198...264 V	220...240 V	50...60 Hz	154...276 V	0.6 s ¹⁾	360.0 mm
QTi 4X14/24 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 1X14/24 DIM	30.0 mm	21.0 mm	350.0 mm	274.00 g	0.5...1.5 / 0.5...1.0 mm ^{2 2)}	0.5...1.5 / 0.5...1.0 mm ^{2 2)}
QTi 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 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 3X14/24 DIM	40.0 mm	21.0 mm	350.0 mm	394.00 g	0.5...1.5 / 0.5...1.0 mm ^{2 2)}	0.5...1.5 / 0.5...1.0 mm ^{2 2)}
QTi 4X14/24 DIM	40.0 mm	21.0 mm	350.0 mm	397.00 g	0.5...1.5 / 0.5...1.0 mm ^{2 2)}	0.5...1.5 / 0.5...1.0 mm ^{2 2)}

Product 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 1X14/24 DIM	+10...+50 °C	100000 h ³⁾	Yes	I	EOL T.2
QTi 2X14/24 DIM	+10...+50 °C	100000 h ³⁾	Yes	I	EOL T.2
QTi 2X21/39 DIM	+10...+50 °C	100000 h ³⁾	Yes	I	EOL T.2
QTi 3X14/24 DIM	+10...+50 °C	100000 h ³⁾	Yes	I	EOL T.2
QTi 4X14/24 DIM	+10...+50 °C	100000 h ³⁾	Yes	I	EOL T.2

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 1X14/24 DIM	VDE / VDE-EMC / EL / EAC / RCM / CCC	I	850410809000	14-04-2022
QTi 2X14/24 DIM	VDE / VDE-EMC / EL / EAC / RCM / CCC	I	850410809000	14-04-2022
QTi 2X21/39 DIM	VDE / VDE-EMC / EL / EAC / RCM / CCC	I	850410809000	14-04-2022
QTi 3X14/24 DIM	VDE / VDE-EMC / EL / EAC / RCM / CCC	I	850410809000	14-04-2022
QTi 4X14/24 DIM	VDE / VDE-EMC / EL / EAC / RCM / CCC	I	850410809000	14-04-2022

Product description	Primary Article Identifier	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction
QTi 1X14/24 DIM	4050300870922	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
QTi 2X14/24 DIM	4050300870946	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
QTi 2X21/39 DIM	4050300870694	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
QTi 3X14/24 DIM	4008321069719	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
QTi 4X14/24 DIM	4008321069993	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	Declaration No. in SCIP database
QTi 1X14/24 DIM	07122a70-519a-42e4-8cb5-6e4a6236f973
QTi 2X14/24 DIM	6e09d710-a05b-4b93-ab81-dea819e5bb19
QTi 2X21/39 DIM	bc3effc5-a384-48ca-89cf-61102cf0de00
QTi 3X14/24 DIM	65e455f2-fb46-424e-8f4d-fce5b895f694
QTi 4X14/24 DIM	07b5f2a4-94e1-43cb-80b1-f926e73b6064

¹⁾ Optimized preheat start

²⁾ Solid leads

³⁾ At $T_{case} = 65^{\circ}\text{C}$ 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 1X14/24 DIM	4050300870922	OSRQTI1X1424DIM	-	4030214	-
QTi 1X14/24 DIM	4050300870922	OSRQTI1X1424DIM	-	4030214	-
QTi 2X14/24 DIM	4050300870946	OSRQTI2X1424DIM	-	4030244	-
QTi 2X14/24 DIM	4050300870946	OSRQTI2X1424DIM	-	4030244	-
QTi 2X21/39 DIM	4050300870694	OSRQTI2X2139DIM	-	4030251	-
QTi 2X21/39 DIM	4050300870694	OSRQTI2X2139DIM	-	4030251	-
QTi 3X14/24 DIM	4008321069719	OSRQTI3X1424DIM	-	4031116	-
QTi 3X14/24 DIM	4008321069719	OSRQTI3X1424DIM	-	4031116	-
QTi 4X14/24 DIM	4008321069993	OSRQTI4X1424DIM	-	4031118	-
QTi 4X14/24 DIM	4008321069993	OSRQTI4X1424DIM	-	4031118	-

Download Data

File
 Addon Technical Information 502689_Frequent switching Quicktronic
 Addon Technical Information 502785_ECG lifetime - QUICKTRONIC (DALI) DIM
 Certificates 334953_EMC-Marks approval
 Certificates 335097_INOTEC
 Certificates QTI DALI VDE 40021252 210920

Product family datasheet

	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
	Certificates 592319_EAC certificate for Quicktronics QT
	Certificates 504208_VDE-EMC-CERTIFICATE QT DALI DIM
	Declarations of conformity QUICKTRONIC DIM CE 3364258 190821
	Operating instructions 592412_EAC QT T5 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 321499_ATI QT 2X1424220-240 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 321500_ATI QT 2X2139220-240 DIM (G+GB)
	CAD data 3-dim 321729_QTi 3x1424220-240 DIM
	CAD data 3-dim 321730_QTi 3x1424220-240 DIM
	CAD data 3-dim 321731_QTi 3x1424220-240 DIM
	CAD data PDF 321728_QTi 3x1424220-240 DIM
	Product Datasheet 321505_ATI QT 4x1424220-240 DIM (G+GB)

Product family datasheet

	CAD data 3-dim 321639_QTi 4x1424220-240 DIM
	CAD data 3-dim 321640_QTi 4x1424220-240 DIM
	CAD data 3-dim 321641_QTi 4x1424220-240 DIM
	CAD data PDF 321637_QTi 4x1424220-240 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
4050300870922	QTi 1X14/24 DIM	Shipping carton box 20	392 mm x 98 mm x 165 mm	6.34 dm ³	6319.99 g
4050300870946	QTi 2X14/24 DIM	Shipping carton box 20	455 mm x 98 mm x 163 mm	7.27 dm ³	7640.00 g
4050300870694	QTi 2X21/39 DIM	Shipping carton box 20	455 mm x 98 mm x 163 mm	7.27 dm ³	7640.00 g
4008321069719	QTi 3X14/24 DIM	Shipping carton box 20	384 mm x 90 mm x 237 mm	8.19 dm ³	8672.00 g
4008321069993	QTi 4X14/24 DIM	Shipping carton box 20	384 mm x 90 mm x 210 mm	7.26 dm ³	8472.00 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.

Disclaimer

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