

QUICKTRONIC FIT 5

ECG for FL 16 mm



Areas of application

- Open-plan offices, corridors and storage rooms
- Public buildings
- Strip lighting
- Suitable for luminaires of protection class I
- Modernization of existing systems

Product family benefits

- Long lamp life
- No adverse effect from frequent on/off switching
- Automatic restart after lamp replacement
- Perfect lamp start for applications with motion sensors
- VDE/VDE EMC certified system
- Very high energy efficiency due to cut-off technology

Product family features

- Supply voltage: 220...240 V
- Line voltage: 198...264 V
- Line frequency: 50 Hz | 60 Hz
- Lamp start with optimum filament preheating
- Energy Efficiency Index EEI: A2
- Automatic shutdown of defective lamps and at end of life (EoL T.2)
- Lamp operation: to EN 60929
- Safety: to EN 61347-2-3

Product family datasheet

Technical data

Electrical data

Product description	Input voltage AC	Nominal voltage	Mains frequency	Input voltage DC
QT-FIT5 1X14...35	198...264 V	220...240 V	50...60 Hz	185...264 V ¹⁾
QT-FIT5 2X14...35		220...240 V	50...60 Hz	198...264 V
QT-FIT5 3X14,4X14	198...264 V	220...240 V	50...60 Hz	185...264 V ¹⁾
QT-FIT5 1X49	198...264 V	220...240 V	50...60 Hz	186...276 V ¹⁾
QT-FIT5 2X49	198...264 V	220...240 V	50...60 Hz	185...264 V ¹⁾

¹⁾ Minimum voltage for lamp ignition: 198 V, 185...198 V for maximum 1 h

Light technical data

Product description	Starting time
QT-FIT5 1X14...35	2.0 s
QT-FIT5 2X14...35	2.0 s
QT-FIT5 3X14,4X14	2.0 s
QT-FIT5 1X49	2.0 s
QT-FIT5 2X49	2.0 s

Dimensions & weight

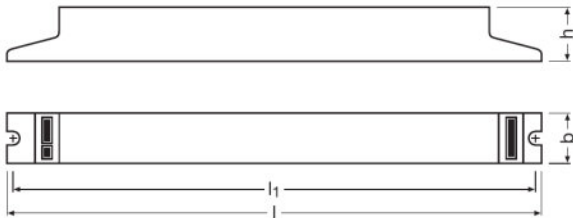
Product description	Length	Width	Height	Mounting hole spacing, length	Product weight	Cable cross-section, input side
QT-FIT5 1X14...35	280.0 mm	30.0 mm	21.0 mm	270.0 mm	160.00 g	0.5...1.5 mm ² ¹⁾
QT-FIT5 2X14...35	280.0 mm	30.0 mm	21.0 mm	270.0 mm	181.00 g	0.5...1.5 mm ² ¹⁾
QT-FIT5 3X14,4X14	280.0 mm	40.0 mm	21.0 mm	270.0 mm	202.00 g	0.5...1.5 mm ² ¹⁾
QT-FIT5 1X49	280.0 mm	30.0 mm	21.0 mm	270.0 mm	155.00 g	0.5...1.5 mm ² ¹⁾
QT-FIT5 2X49	280.0 mm	30.0 mm	21.0 mm	270.0 mm	185.00 g	0.5...1.5 mm ² ¹⁾

Product description	Cable cross-section, output side
QT-FIT5 1X14...35	0.5...1.5 mm ² ¹⁾
QT-FIT5 2X14...35	0.5...1.5 mm ² ¹⁾
QT-FIT5 3X14,4X14	0.5...1.5 mm ² ¹⁾
QT-FIT5 1X49	0.5...1.5 mm ² ¹⁾
QT-FIT5 2X49	0.5...1.5 mm ² ¹⁾

¹⁾ Solid leads

Product family datasheet

Product line drawing



QT-FIT5 1X14...35, QT-FIT5 2X14...35, QT-FIT5 3X14,4X14,
QT-FIT5 1X49, QT-FIT5 2X49

Temperatures & operating conditions

Product description	Ambient temperature range
QT-FIT5 1X14...35	-15...+50 °C
QT-FIT5 2X14...35	-15...+50 °C
QT-FIT5 3X14,4X14	-15...+50 °C
QT-FIT5 1X49	-15...+50 °C
QT-FIT5 2X49	-15...+50 °C

Lifespan

Product description	ECG lifetime
QT-FIT5 1X14...35	50000 h
QT-FIT5 2X14...35	
QT-FIT5 3X14,4X14	50000 h
QT-FIT5 1X49	50000 h
QT-FIT5 2X49	50000 h

Product name	Lamp group	ECG ambient temperature [ta]		
QT-FIT5 1X14...35	HE 13 W ES	40	50	60

Product family datasheet

		Temperature at tc-point [°C]	45	55	65	
		Lifetime [h]	100000	100000	70000	
		HE 19 W ES	ECG ambient temperature [ta]	40	50	60
		HE 19 W ES	Temperature at tc-point [°C]	45	55	65
			Lifetime [h]	100000	100000	100000
			HE 21 W	ECG ambient temperature [ta]	40	50
		HE 21 W	Temperature at tc-point [°C]	50	55	65
			Lifetime [h]	100000	100000	100000
			HE 25 W ES	ECG ambient temperature [ta]	40	50
		HE 25 W ES	Temperature at tc-point [°C]	50	55	65
			Lifetime [h]	100000	100000	100000
			HE 28 W	ECG ambient temperature [ta]	40	50
		HE 28 W	Temperature at tc-point [°C]	50	55	65
			Lifetime [h]	100000	100000	100000
			HE 32 W ES	ECG ambient temperature [ta]	40	50
	HE 32 W ES	Temperature at tc-point [°C]	50	60	65	
		Lifetime [h]	100000	100000	90000	
		HE 35 W	ECG ambient temperature [ta]	40	50	60
	HE 35 W	Temperature at tc-point [°C]	50	60	65	
		Lifetime [h]	100000	100000	90000	
		Product name	Lamp group			
QT-FIT5 2X14...35	HE 28 W	ECG ambient temperature [ta]	40	50	60	
		Temperature at tc-point [°C]	55	65	70	
		Lifetime [h]	100000	100000	70000	
	HE 32 W ES	ECG ambient temperature [ta]	40	50	60	
		Temperature at tc-point [°C]	60	70	75	
		Lifetime [h]	100000	80000	60000	
	HE 35 W	ECG ambient temperature [ta]	40	50	60	
		Temperature at tc-point [°C]	60	70	75	
		Lifetime [h]	100000	80000	50000	
Product name	Lamp group					
QT-FIT5 1X49	HO 49 W	ECG ambient temperature [ta]	40	50	60	
		Temperature at tc-point [°C]	55	60	70	
		Lifetime [h]	100000	100000	70000	
Product name	Lamp group					
QT-FIT5 2X49	HO 49 W	ECG ambient temperature [ta]	40	50	56	
		Temperature at tc-point [°C]	65	70	75	
		Lifetime [h]	100000	40000	50000	

Product family datasheet

Capabilities

Product description	End of lamp life safety shutdown	Suitable for emergency lighting	Suitable for fixtures with prot. class
QT-FIT5 1X14...35	EOL T.2	No	I
QT-FIT5 2X14...35	EOL T.2	No	I
QT-FIT5 3X14,4X14	EOL T.2		I
QT-FIT5 1X49	EOL T.2		I
QT-FIT5 2X49	EOL T.2		I

Certificates & standards

Product description	Approval marks – approval	EEI – Energy Label	Protection class
QT-FIT5 1X14...35	VDE / ENEC 10 / VDE-EMC	A2	I
QT-FIT5 2X14...35	VDE / ENEC 10 / VDE-EMC	A2 BAT	I
QT-FIT5 3X14,4X14	VDE / ENEC 10 / VDE-EMC	A2 BAT	I
QT-FIT5 1X49	VDE / ENEC 10 / VDE-EMC	A2	III
QT-FIT5 2X49	VDE / ENEC 10 / VDE-EMC	A2 BAT	III

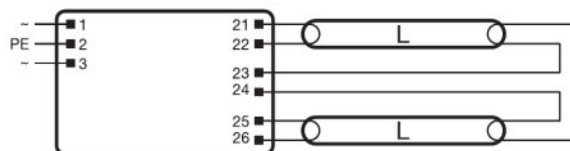
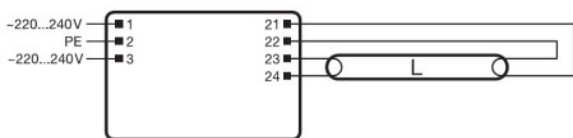
Logistical data

Product description	Commodity code
QT-FIT5 1X14...35	85041080900
QT-FIT5 2X14...35	85041080900
QT-FIT5 3X14,4X14	85041080900
QT-FIT5 1X49	85041080900
QT-FIT5 2X49	85041080900

Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
QT-FIT5 1X14...35	26-05-2023	4008321971234	Lead
QT-FIT5 2X14...35	14-04-2023	4008321971258	Lead
QT-FIT5 3X14,4X14	19-05-2023	4008321971210	Lead
QT-FIT5 1X49	09-06-2023	4008321832139	Lead
QT-FIT5 2X49	19-05-2023	4008321832153 4052899927070	Lead

Product family datasheet



QT-FIT5 1X49

QT-FIT5 2X49

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
QT-FIT5 1X14...35	4008321971234	-	-	4030073	-
QT-FIT5 1X14...35	4008321971234	-	-	4030073	-
QT-FIT5 2X14...35	4008321971258	-	-	4030074	-
QT-FIT5 2X14...35	4008321971258	-	-	4030074	-
QT-FIT5 3X14,4X14	4008321971210	-	-	4030075	-
QT-FIT5 3X14,4X14	4008321971210	-	-	4030075	-

Product family datasheet

QT-FIT5 1X49	4008321832139	-	-	4030225	-
QT-FIT5 1X49	4008321832139	-	-	4030225	-
QT-FIT5 2X49	4008321832153	-	-	4030226	-
QT-FIT5 2X49	4008321832153	-	-	4030226	-

Download Data

File	
	User instruction QUICKTRONIC QT FIT5
	Product Datasheet 502688_ECG lifetime - QUICKTRONIC non DIM
	Product Datasheet 342812_QT-FIT5
	Certificates 339586_VDE-Marks approval
	Certificates 339588_EMC-Marks approval
	Certificates 592319_EAC certificate for Quicktronics QT
	Certificates 683441_ENEC-Marks approvals
	Declarations of conformity QUICKTRONIC CE 3364256 060923
	CAD data 3-dim 339659_CAD QT-FIT5 3-DIM.x_t
	CAD data 3-dim 339660_CAD QT-FIT5 3-DIM.STEP
	CAD data 3-dim 339661_CAD QT-FIT5 3-DIM.IGS
	CAD data PDF 339599_CAD QT-FIT5
	CAD data 3-dim 339652_CAD QT-FIT5 3-DIM.x_t
	CAD data 3-dim 339657_CAD QT-FIT5 3-DIM.STEP
	CAD data 3-dim 339658_CAD QT-FIT5 3-DIM.IGS
	CAD data PDF 339600_CAD QT-FIT5
	CAD data 3-dim 339654_CAD QT-FIT5 3-DIM.x_t

Product family datasheet



CAD data 3-dim
339655_CAD QT-FIT5 3-DIM.STEP



CAD data 3-dim
339656_CAD QT-FIT5 3-DIM.IGS



CAD data PDF
339662_CAD QT-FIT5

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
4008321971234	QT-FIT5 1X14...35	Shipping carton box 20	305 mm x 161 mm x 104 mm	5.11 dm ³	3377.00 g
4008321971258	QT-FIT5 2X14...35	Shipping carton box 20	305 mm x 161 mm x 104 mm	5.11 dm ³	3797.00 g
4008321971210	QT-FIT5 3X14,4X14	Shipping carton box 20	300 mm x 168 mm x 118 mm	5.95 dm ³	4217.00 g
4008321832139	QT-FIT5 1X49	Shipping carton box 20	312 mm x 165 mm x 98 mm	5.05 dm ³	3241.00 g
4008321832153	QT-FIT5 2X49	Shipping carton box 20	312 mm x 165 mm x 98 mm	5.05 dm ³	3841.00 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.