

QUICKTRONIC FQ

ECG for high efficiency FL 16 mm



Areas of application

- Industry
- Open-plan offices, corridors and storage rooms
- Public buildings
- Sports halls and factories
- Strip lighting
- 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
- Lifetime: up to 100,000 h (temperature at $T_c = 65$ °C, max. 10 % failure rate)
- Energy Efficiency Index EEI: A2
- Safety: to EN 61347-2-3
- Automatic shutdown of defective lamps and at end of life (EoL T.2)

Product family datasheet

Technical data

Electrical data

Product description	Input voltage AC	Nominal voltage	Mains frequency	Input voltage DC
QT-FQ 2X80	198...264 V	220...240 V	50...60 Hz	-

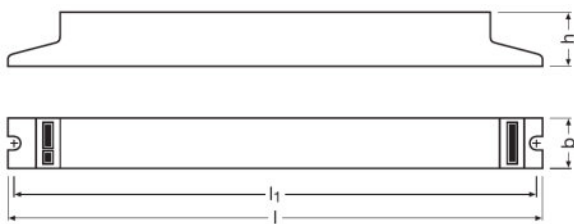
Light technical data

Product description	Starting time
QT-FQ 2X80	1.0 s

Dimensions & weight

Product description	Length	Width	Height	Mounting hole spacing, length	Product weight
QT-FQ 2X80	424.0 mm	30.0 mm	21.0 mm	415.0 mm	381.00 g

Product line drawing



QT-FQ 2X80

Product family datasheet

Temperatures & operating conditions

Product description	Ambient temperature range
QT-FQ 2X80	-20...+50 °C

Lifespan

Product description	ECG lifetime
QT-FQ 2X80	50000 h ¹⁾

¹⁾ At $T_{case} = 75^{\circ}C$ at T_c point / 10% failure rate

Expected Lifetime

Product name	Lamp group				
QT-FQ 2X80	HO 80 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	60	70	75
		Lifetime [h]	100000	80000	50000

Capabilities

Product description	Suitable for fixtures with prot. class	End of lamp life safety shutdown
QT-FQ 2X80	I / II	EOL T.2

Certificates & standards

Product description	Approval marks – approval	EEL – Energy Label	Protection class
QT-FQ 2X80	VDE / VDE-EMC / ENEC 10 / GOST / RCM	A2	II

Logistical data

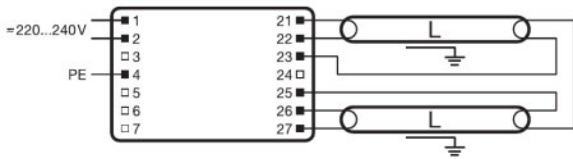
Product description	Commodity code
QT-FQ 2X80	850410809000

Product family datasheet

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-FQ 2X80	14-04-2022	4050300825564	Lead
Product description	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
QT-FQ 2X80	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	b88253e2-04ab-4447-a055-5c11cadfae87

Wiring Diagram



QUICKTRONIC® FQ

TEX 36	3 x 36
TEX 30	3 x 30
TEX 24	3 x 24
TEX 18	3 x 18
TEX 12	3 x 12
TEX 6	3 x 6
TEX 3	3 x 3
TEX 1.5	3 x 1.5
TEX 0.75	3 x 0.75
TEX 0.375	3 x 0.375
TEX 0.1875	3 x 0.1875
TEX 0.09375	3 x 0.09375
TEX 0.046875	3 x 0.046875
TEX 0.0234375	3 x 0.0234375
TEX 0.01171875	3 x 0.01171875
TEX 0.005859375	3 x 0.005859375
TEX 0.0029296875	3 x 0.0029296875
TEX 0.00146484375	3 x 0.00146484375
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TEX 0.0000000000000000000000000000000023111158965240454686967162109375	3 x 0.0000000000000000000000000000000023111158965240454686967162109375
TEX 0.0000	

Product family 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-FQ 2X80	4050300825564	OSRQTFQ2X80FCW	-	4030128	-
QT-FQ 2X80	4050300825564	OSRQTFQ2X80FCW	-	4030128	QQ280CF

Download Data

File
 User instruction QUICKTRONIC QT FQ
 Product Datasheet 334048_QUICKTRONIC PROFESSIONAL – QTP5
 Product Datasheet 502688_ECG lifetime - QUICKTRONIC non DIM
 Certificates 335101_ENEC-VDE-Marks approval
 Certificates 335169_Manufacturer's declaration – LampECG combinations: Frequent switching
 Certificates 592319_EAC certificate for Quicktronics QT
 Declarations of conformity QUICKTRONIC CE 3364256 190821
 CAD data 3-dim 322167_QT-FQ 2x80
 CAD data 3-dim 322168_QT-FQ 2x80
 CAD data PDF 322175_QT-FQ 2x80

Product family datasheet

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
4050300825564	QT-FQ 2X80	Shipping carton box 20	455 mm x 98 mm x 163 mm	7.27 dm ³	7860.00 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.