

QT-FQ 2X80

QUICKTRONIC FQ | ECG for high efficiency FL 16 mm



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 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

Areas of application

- Industry
- Open-plan offices, corridors and storage rooms
- Public buildings
- Sports halls and factories
- Strip lighting
- Modernization of existing systems

Product datasheet

Technical data

Electrical data

Input voltage AC	198...264 V
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage DC	-
Maximum output power	2 x 80 W
Efficiency in full-load	96 % ¹⁾
Operating frequency	70...75 kHz
Max. ECG no. on circuit breaker 10 A (B)	5 ²⁾
Max. ECG no. on circuit breaker 16 A (B)	9 ²⁾
Inrush current	39 A

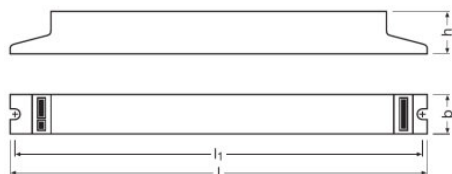
¹⁾ at 230 V, 50 Hz

²⁾ Type B

Light technical data

Starting time	1.0 s
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Dimensions & weight



Length	424.0 mm
Width	30.0 mm
Height	21.0 mm
Mounting hole spacing, length	415.0 mm
Product weight	381.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

Product datasheet

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At $T_{case} = 75^{\circ}\text{C}$ 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

Additional product data

Suitable for lamp power (2 lamps)	80 W
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Capabilities

Suitable for fixtures with prot. class	I / II
End of lamp life safety shutdown	EOL T.2
Max. cable length to lamp/LED module	1.5 m
Dimmable	No
Intended for no-load operation	No

Certificates & standards

Approval marks – approval	VDE / VDE-EMC / ENEC 10 / GOST / RCM
EEL – Energy Label	A2
Standards	Acc. to EN 55015, CISPR 15/Acc. to EN 61547/IEC 61547/Acc. to EN 61000-3-2/IEC 61000-3-2/Acc. to EN 61347-2-3/IEC 61347-2-3
Protection class	II
Type of protection	IP20

Logistical data

Commodity code	850410809000
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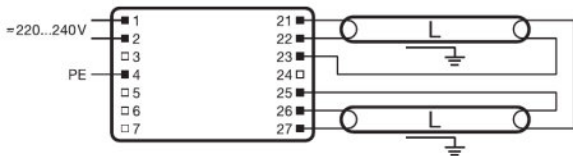
Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	14-04-2022

Product datasheet

Primary Article Identifier	4050300825564
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	b88253e2-04ab-4447-a055-5c11cadfae87

Wiring Diagram



QUICKTRONIC® FQ

Typ	OSRAM
Typ 1	2 x 5
Typ 2	2 x 5
Typ 3	2 x 5
Typ 4	2 x 5
Typ 5	2 x 5
Typ 6	2 x 5
Typ 7	2 x 5
Typ 8	2 x 5
Typ 9	2 x 5
Typ 10	2 x 5
Typ 11	2 x 5
Typ 12	2 x 5
Typ 13	2 x 5
Typ 14	2 x 5
Typ 15	2 x 5
Typ 16	2 x 5
Typ 17	2 x 5
Typ 18	2 x 5
Typ 19	2 x 5
Typ 20	2 x 5
Typ 21	2 x 5
Typ 22	2 x 5
Typ 23	2 x 5
Typ 24	2 x 5
Typ 25	2 x 5
Typ 26	2 x 5
Typ 27	2 x 5
Typ 28	2 x 5
Typ 29	2 x 5
Typ 30	2 x 5
Typ 31	2 x 5
Typ 32	2 x 5
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Typ 34	2 x 5
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Typ 37	2 x 5
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Typ 39	2 x 5
Typ 40	2 x 5
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Typ 87	2 x 5
Typ 88	2 x 5
Typ 89	2 x 5
Typ 90	2 x 5
Typ 91	2 x 5
Typ 92	2 x 5
Typ 93	2 x 5
Typ 94	2 x 5
Typ 95	2 x 5
Typ 96	2 x 5
Typ 97	2 x 5
Typ 98	2 x 5
Typ 99	2 x 5
Typ 100	2 x 5

Max. permitted cable length between ECG and lamp: 1.0 m

1) Max. Leuchtstromeinheiten (LSE) und Lampen: 1000 LSE und 1000 Lampen.
 2) Max. permitted cable length between ECG and lamp: 1.0 m.
 3) Max. permitted cable length between ECG and lamp: 1.0 m.
 4) Max. permitted cable length between ECG and lamp: 1.0 m.
 5) Max. permitted cable length between ECG and lamp: 1.0 m.
 6) Max. permitted cable length between ECG and lamp: 1.0 m.
 7) Max. permitted cable length between ECG and lamp: 1.0 m.
 8) Max. permitted cable length between ECG and lamp: 1.0 m.
 9) Max. permitted cable length between ECG and lamp: 1.0 m.
 10) Max. permitted cable length between ECG and lamp: 1.0 m.

ERIC **OSRAM**

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 Germany
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319611_QT FQ 2x80

590721_EAC QT-FQ









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.

Download Data

File
User instruction QUICKTRONIC QT FQ
Product Datasheet 334048_QUICKTRONIC PROFESSIONAL – QTP5

Product datasheet

	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

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.

QT-FQ 2X80

QUICKTRONIC FQ | ECG for high efficiency FL 16 mm

Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Power factor λ [PIM]	Luminous flux at 35 °C	Number of lighting outlets
QT-FQ 2X80	DULUX L 55 W	0.59 A	122.00 W	0.99	4800 lm	2
	DULUX L 80 W	0.76 A	175.00 W	0.99	6150 lm	2
	HO 80 W	0.76 A	175.00 W	0.98	6300 lm	2