

## PRODUCT DATASHEET

### QT-FQ 2X80

QUICKTRONIC FQ | ECG for high efficiency FL 16 mm



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#### AREAS OF APPLICATION

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

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#### PRODUCT 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

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#### PRODUCT 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)

**TECHNICAL DATA**

Electrical data

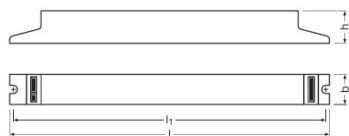
<b>Input voltage AC</b>	198...264 V
<b>Nominal voltage</b>	220...240 V
<b>Mains frequency</b>	50...60 Hz
<b>Input voltage DC</b>	-
<b>Operating frequency</b>	70...75 kHz
<b>Max. ECG no. on circuit breaker 10 A (B)</b>	5 <sup>1)</sup>
<b>Max. ECG no. on circuit breaker 16 A (B)</b>	9 <sup>1)</sup>
<b>Inrush current</b>	39 A

<sup>1)</sup> Type B

Light technical data

<b>Starting time</b>	1.0 s
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Dimensions & weight



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

Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+50 °C
<b>Permitted rel. humidity during operation</b>	5...85 %

Lifespan

<b>ECG lifetime</b>	50000 h <sup>1)</sup>
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<sup>1)</sup> 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

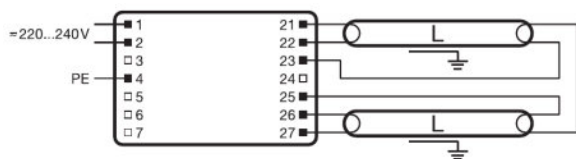
Capabilities

<b>Suitable for fixtures with prot. class</b>	I / II
<b>End of lamp life safety shutdown</b>	EOL T.2

Certificates & standards













<b>Approval marks – approval</b>	VDE / VDE-EMC / CE / ENEC 10
<b>EEI – Energy Label</b>	A2
<b>Standards</b>	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
<b>Protection class</b>	II
<b>Type of protection</b>	IP20

Wiring Diagram



Wiring diagram

**DOWNLOAD DATA**

File	
	Product Datasheet 334048_QUICKTRONIC PROFESSIONAL &#150; QTP5
	Product Datasheet 502688_ECG lifetime - QUICKTRONIC non DIM
	Certificates 554891_EAC PT family
	Certificates 335101_ENEC-VDE-Marks approval
	Certificates 335169_Manufacturer's declaration &#150; LampECG combinations: Frequent switching
	Declarations of conformity 339525_Declaration of Conformity (GB)
	Installation/Operation notice 334142_Technical guide - ECGs for T5-lamps
	Operating instructions 590721_EAC QT-FQ
	Operating instructions 590721_EAC QT-FQ
	CAD data 3-dim 322167_QT-FQ 2x80
	CAD data 3-dim 322168_QT-FQ 2x80
	CAD data PDF 322175_QT-FQ 2x80

**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 <sup>3</sup>	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.

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Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
QT-FQ 2X80	DULUX L 55 W	0.59 A	122.00 W	4800 lm	2
	DULUX L 55 W CONSTANT	0.59 A	122.00 W	4800 lm	2
	DULUX L 55 W XT	0.59 A	122.00 W	4800 lm	2
	DULUX L 80 W	0.76 A	175.00 W	6150 lm	2
	DULUX L 80 W CONSTANT	0.76 A	175.00 W	6150 lm	2
	HO 73 W ES	0.71 A	162.00 W	6150 lm	2
	HO 80 W	0.76 A	175.00 W	6300 lm	2
	HO 80 W CONSTANT	0.76 A	175.00 W	6800 lm	2
	HO 80 W XT	0.76 A	175.00 W	6300 lm	2