

## QT-FIT5 1X14...35

QUICKTRONIC FIT 5 | ECG for 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
- 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 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

- Open-plan offices, corridors and storage rooms
- Public buildings
- Strip lighting
- Suitable for emergency lighting (DC operation)
- Suitable for luminaires of protection class I
- 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	185...264 V <sup>1)</sup>
Operating frequency	40...50 kHz
Max. ECG no. on circuit breaker 10 A (B)	17 <sup>2)</sup>
Max. ECG no. on circuit breaker 16 A (B)	28 <sup>2)</sup>
Inrush current	24 A

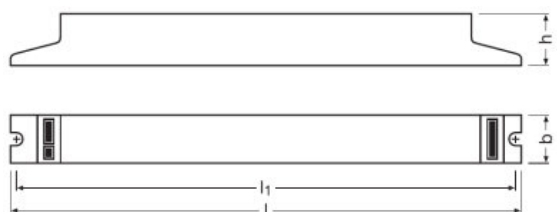
<sup>1)</sup> Minimum voltage for lamp ignition: 198 V, 185...198 V for maximum 1 h

<sup>2)</sup> Type B

### Light technical data

Starting time	2.0 s
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### Dimensions & weight



Length	280.0 mm
Width	30.0 mm
Height	21.0 mm
Mounting hole spacing, length	270.0 mm
Product weight	160.00 g
Cable cross-section, output side	0.5...1.5 mm <sup>2</sup> <sup>1)</sup>
Cable cross-section, input side	0.5...1.5 mm <sup>2</sup> <sup>1)</sup>

<sup>1)</sup> Solid leads

### Temperatures & operating conditions

Ambient temperature range	-15...+50 °C
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## Product datasheet

<b>Permitted rel. humidity during operation</b>	5...85 % <sup>1)</sup>
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<sup>1)</sup> Maximum 56 days/year at 85 %

### Lifespan

<b>ECG lifetime</b>	50000 h
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### Expected Lifetime

Product name	Lamp group				
QT-FIT5 1X14...35	HE 13 W ES	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	45	55	65
		Lifetime [h]	100000	100000	70000
	HE 19 W ES	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	45	55	65
		Lifetime [h]	100000	100000	100000
	HE 21 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	50	55	65
		Lifetime [h]	100000	100000	100000
	HE 25 W ES	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	50	55	65
		Lifetime [h]	100000	100000	100000
	HE 28 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	50	55	65
		Lifetime [h]	100000	100000	100000
	HE 32 W ES	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	50	60	65
		Lifetime [h]	100000	100000	90000
	HE 35 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	50	60	65
		Lifetime [h]	100000	100000	90000

### Additional product data

<b>Suitable for lamp power (1 lamp)</b>	14...35 W
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### Capabilities

<b>Suitable for fixtures with prot. class</b>	I
<b>End of lamp life safety shutdown</b>	EOL T.2
<b>Max. cable length to lamp/LED module</b>	2.0 m / 1.0 m

## Product datasheet

<b>Dimmable</b>	No
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### Certificates & standards

<b>Approval marks – approval</b>	VDE / ENEC 10 / VDE-EMC
<b>EEI – Energy Label</b>	A2
<b>Standards</b>	Acc. to EN 61547/IEC 61547/Acc. to EN 61347-2-3/IEC 61347-2-3/Acc. to EN 61000-3-2/IEC 61000-3-2/Acc. to EN 55015:2006 + A1:2007 + A2:2009
<b>Protection class</b>	I
<b>Type of protection</b>	IP20

### Logistical data

<b>Commodity code</b>	850410809000
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### Wiring Diagram

#### QUICKTRONIC® FIT T5

	QT-FIT5 1X14 20	QT-FIT5 1X14	QT-FIT5 1X21	QT-FIT5 2X14 20	QT-FIT5 2X14	QT-FIT5 2X21	QT-FIT5 2X14 21
	20 A	17 A	12 A	14 A	14 A	14 A	14 A
	20 - 47 A	20 - 47 A	20 - 47 A	10 - 20 A	10 - 20 A	10 - 20 A	10 - 20 A
	< 20 A	< 20 A	< 20 A	< 10 A	< 10 A	< 10 A	< 10 A
	200 µs	200 µs	200 µs	200 µs	200 µs	200 µs	200 µs

**QT-FIT5 2x..**

Max. permitted cable length in table 0122 and lamp: 2.4 m (P99.21, 22), 1.0 m (P99.23, 24)

**QT-FIT5 2x..**

Max. permitted cable length in table 0122 and lamp: 2.4 m (P99.21, 22), 1.0 m (P99.23, 24), 1.4 m (P99.26, 28)

**QT-FIT5 2x14, 4x14, 7 lamp operation**

Max. permitted cable length in table 0122 and lamp: 1.0 m (P99.26, 28), 1.0 m (P99.3, 4, 14, 16, 21, 24)

① Max. Leuchtstärke zwischen ENEC und Lampen. Leuchtstärke messen.  
 ② Betriebsstrom abhängen vom zulässigen Strom I<sub>max</sub> der Leuchte.  
 ③ Signalfrequenz kann durch Dimmschalter, Lichtschalter, Netzspannung, Leistungsfaktor











**OSRAM**

592456\_EAC QT-FIT5

### Download Data

File	
	Product Datasheet 502688_ECG lifetime - QUICKTRONIC non DIM

## Product datasheet

	Product Datasheet 342812_QT-FIT5
	Certificates 339586_VDE-Marks approval
	Certificates 339588_EMV-Marks approval
	Certificates 592319_EAC certificate for Quicktronics QT
	Certificates 683441_ENEC-Marks approvals
	Declarations of conformity Quicktronic CE 3364256 090421
	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

## 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	303 mm x 101 mm x 159 mm	4.87 dm <sup>3</sup>	3366.00 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-FIT5 1X14...35

QUICKTRONIC FIT 5 | ECG for FL 16 mm

Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Power factor $\lambda$ [PIM]	Luminous flux at 35 °C	Number of lighting outlets
QT-FIT5 1X14...35	HE 13 W ES	0.07 A	15.00 W	0.95	1150 lm	1
	HE 14 W	0.08 A	16.00 W	0.95	1200 lm	1
	HE 19 W ES	0.10 A	21.00 W	0.95	1800 lm	1
	HE 21 W	0.11 A	23.00 W	0.95	1900 lm	1
	HE 25 W ES	0.12 A	28.00 W	0.96	2450 lm	1
	HE 28 W	0.14 A	31.00 W	0.96	2600 lm	1
	HE 32 W ES	0.15 A	35.00 W	0.97	3100 lm	1
	HE 35 W	0.17 A	38.00 W	0.97	3200 lm	1
	HE 35 W XT	0.17 A	38.00 W	0.97	3200 lm	1