

## QTP5 1X80

QUICKTRONIC PROFESSIONAL 5 | ECG for FL 16 mm



### Product family features

- Supply voltage: 220...240 V
- Line voltage: 198...264 V
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Lamp start with optimum filament preheating
- Lifetime: up to 100,000 h (temperature at  $T_c = 65^\circ\text{C}$ , max. 10 % failure rate)
- Energy Efficiency Index EEI: A2 BAT
- Automatic shutdown of defective lamps and at end of life (EoL T.2)
- Safety: to EN 61347-2-3
- Lamp operation: to EN 60929

### Product family benefits

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

### Areas of application

- Emergency lighting systems acc. to EN 50172 / DIN VDE 0108-100
- Industry
- Open-plan offices, corridors and storage rooms
- Public buildings
- Sports halls and factories
- Strip lighting
- Suitable for emergency lighting (DC operation)
- Modernization of existing systems
- Suitable for luminaires of protection classes I and II

## Technical data

### Electrical data

Input voltage AC	198...264 V
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage DC	176...276 V
Maximum output power	80 W
Efficiency in full-load	97 % <sup>1)</sup>
Operating frequency	40...50 kHz
Max. ECG no. on circuit breaker 10 A (B)	12 <sup>2)</sup>
Max. ECG no. on circuit breaker 16 A (B)	19 <sup>2)</sup>
Inrush current	40 A

<sup>1)</sup> at 230 V, 50 Hz

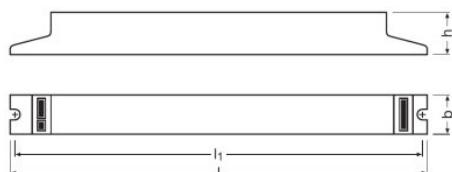
<sup>2)</sup> Type B

### Light technical data

Starting time	1.0 s <sup>1)</sup>
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<sup>1)</sup> If there is a temporary interruption in the power supply (< 0.5 s), the lamp will start within 0.3 s

## Dimensions & weight



Length	360.0 mm
Width	30.0 mm
Height	21.0 mm
Mounting hole spacing, length	350.0 mm
Product weight	235.50 g

### Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
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## Product datasheet

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

### Lifespan

ECG lifetime	100000 h <sup>1)</sup>
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<sup>1)</sup> At  $T_{case} = 65^{\circ}C$  at  $T_c$  point / 10% failure rate

### Expected Lifetime

Product name	Lamp group				
QTP5 1X80	HO 80 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	65	70
		Lifetime [h]	100000	100000	70000

### Additional product data

Suitable for lamp power (1 lamp)	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	2.0 m / 1.0 m
Dimmable	No
Intended for no-load operation	No

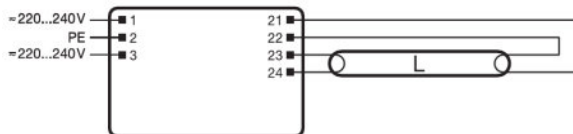
### Certificates & standards

Approval marks – approval	VDE / VDE-EMC / ENEC 10 / CE
EEI – Energy Label	A2 BAT
Standards	Acc. to EN 61347-2-3/Acc. to EN 60929/Acc. to EN 55015:2006 + A1:2007/Acc. to EN 61000-3-2/Acc. to EN 61547
Protection class	III
Type of protection	IP20

### Logistical data

Commodity code	850410809000
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## Wiring Diagram



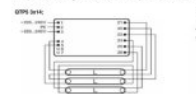
QUICKTRONIC® QTP5

[illegible]

Max. permitted cable length in between ECU and lamp: 2.0 m (P/N 21, 22); 1.0 m (P/N 23, 24)



Max. permitted cable length in between ECO and lamp: 2.0 m -IPN 21, 22, 25, 26; 1.0 m -IPN 23, 24



Max. permitted cable length between EEG and lamp: 1.5 m (PIN 4, 5, 21, 22, 23, 24); 1.0 m (PIN 6, 7, 25, 26)




Max. Leitungslänge zwischen EVG und Lampe; Leitungslänge max.  
Maximumum dolytynawo pomy kalfenowy ZTPA a namoi  
Egymu koi koi apocumyary kalfenowy maximumu gromady

OSRAM

319638\_QTP5 1x..

592499\_EAC QTP5

Download Data

File	
	Product Datasheet 502688_ECG lifetime - QUICKTRONIC non DIM
	Certificates 592319_EAC certificate for Quicktronics QT
	Declarations of conformity QUICKTRONIC CE 3364256 190821

### 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.

## Product datasheet

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### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321329059	QTP5 1X80	Shipping carton box 20	370 mm x 96 mm x 170 mm	6.04 dm <sup>3</sup>	5520.00 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.

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### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

## QTP5 1X80

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Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Power factor $\lambda$ [PIM]	Luminous flux at 35 °C	Number of lighting outlets
QTP5 1X80	DULUX L 80 W	0.38 A	86.00 W	0.98	6000 lm	1
	HNS-L 60W 2G11					
	HNS-L 95W 2G11					
	HO 80 W	0.38 A	86.00 W	0.98	6150 lm	1
	HO 80 W XT	0.38 A	86.00 W	0.98	6150 lm	1
	NS 25W G13					
	NS 55W G13					