QTP5 1X80

QUICKTRONIC PROFESSIONAL 5 | ECG for FL 16 mm

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

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

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 °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

Intelligent LED Solutions, Unit 2, Berkshire Business Centre, Berkshire Drive, Thatcham, Berkshire, RG19 4EW
Telephone: +44 (0)1635 294606 Email: info@i-led.co.uk Web: www.i-led.co.uk
A division of Intelligent Group Solutions Ltd

© 2020, OSRAM GmbH. All rights reserved.

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
Operating frequency	40...50 kHz
Max. ECG no. on circuit breaker 10 A (B)	12 [1)]
Max. ECG no. on circuit breaker 16 A (B)	19 [1)]
Inrush current	40 A

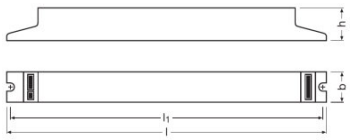
1) Type B

Light technical data

Starting time	1.0 s [1)]

1) 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
Permitted rel. humidity during operation	5...85 % [1)]

1) Maximum 56 days/year at 85 %

Intelligent LED Solutions, Unit 2, Berkshire Business Centre, Berkshire Drive, Thatcham, Berkshire, RG19 4EW
Telephone: +44 (0)1635 294606 Email: info@i-led.co.uk Web: www.i-led.co.uk
A division of Intelligent Group Solutions Ltd

© 2020, OSRAM GmbH. All rights reserved.

Lifespan

ECG lifetime	100000 h [1]

[1] At T_{case} = 65°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

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

Certificates & standards

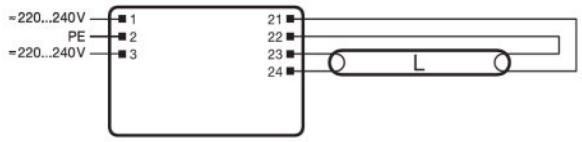
Approval marks – approval	VDE / VDE-EMC / ENEC 10 / CE
EEI – Energy Label	A2 BAT
Standards	Acc. to EN 61347-2-3/Acc. to EN 60929/Acc. to EN 55015:2006 + A1:2007/Acc. to EN 61000-3-2/Acc. to EN 61547
Protection class	III
Type of protection	IP20

Logistical data

Commodity code	850410809000

© 2020, OSRAM GmbH. All rights reserved.

Wiring Diagram



Wiring diagram

Download Data

	File
	Product Datasheet 502688_ECG lifetime - QUICKTRONIC non DIM
	Certificates 592319_EAC certificate for Quicktronics QT
	Operating instructions 592499_EAC QTP5

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^3	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.

© 2020, OSRAM GmbH. All rights reserved.

Disclaimer

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

Intelligent LED Solutions, Unit 2, Berkshire Business Centre, Berkshire Drive, Thatcham, Berkshire, RG19 4EW
Telephone: +44 (0)1635 294606 Email: info@i-led.co.uk Web: www.i-led.co.uk
A division of Intelligent Group Solutions Ltd

© 2020, OSRAM GmbH. All rights reserved.

QTP5 1X80

QUICKTRONIC PROFESSIONAL 5 | ECG for FL 16 mm

Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
QTP5 1X80	DULUX L 80 W	0.38 A	86.00 W	6000 lm	1
	HO 73 W ES	0.35 A	79.00 W	6150 lm	1
	HO 80 W	0.38 A	86.00 W	6150 lm	1
	HO 80 W XT	0.38 A	86.00 W	6150 lm	1

Intelligent LED Solutions, Unit 2, Berkshire Business Centre, Berkshire Drive, Thatcham, Berkshire, RG19 4EW
Telephone: +44 (0)1635 294606 Email: info@i-led.co.uk Web: www.i-led.co.uk
A division of Intelligent Group Solutions Ltd

© 2020, OSRAM GmbH. All rights reserved.