

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 $T_c = 65$ °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

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	176...276 V
Maximum output power	80 W
Efficiency in full-load	97 % ¹⁾
Operating frequency	40...50 kHz
Max. ECG no. on circuit breaker 10 A (B)	12 ²⁾
Max. ECG no. on circuit breaker 16 A (B)	19 ²⁾
Inrush current	40 A

¹⁾ at 230 V, 50 Hz

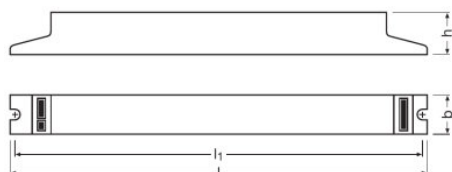
²⁾ Type B

Light technical data

Starting time	1.0 s ¹⁾
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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
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Product datasheet

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

Lifespan

ECG lifetime	100000 h ¹⁾
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¹⁾ 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
EEL – 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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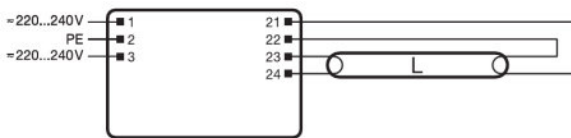
Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Product datasheet

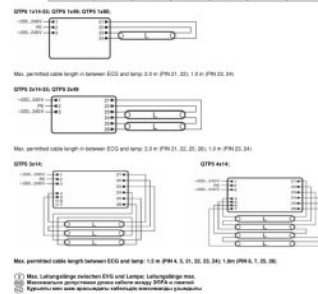
Date of Declaration	14-04-2022
Primary Article Identifier	4008321329059
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	4d29c40a-436b-49f1-a28a-bbd33895becc

Wiring Diagram



QUICKTRONIC® QTP5

	QTP5 1x10	QTP5 1x18	QTP5 1x26	QTP5 2x10	QTP5 2x18	QTP5 2x26
LED	10 x 10	18 x 18	26 x 26	10 x 18	18 x 26	26 x 26
LED Power	20 W	36 W	68 W	18 W	36 W	68 W
LED Current	1.0 A	1.8 A	3.4 A	1.0 A	1.8 A	3.4 A
LED Voltage	2.0 V	2.0 V	2.0 V	2.0 V	2.0 V	2.0 V
LED Lifetime	25,000 h	25,000 h	25,000 h	25,000 h	25,000 h	25,000 h
LED Color	White	White	White	White	White	White
LED Beam Angle	120°	120°	120°	120°	120°	120°
LED Beam Diameter	10 mm	18 mm	26 mm	10 mm	18 mm	26 mm
LED Beam Length	10 mm	18 mm	26 mm	10 mm	18 mm	26 mm
LED Beam Area	78.5 mm²	254.3 mm²	530.9 mm²	78.5 mm²	254.3 mm²	530.9 mm²
LED Beam Volume	785 mm³	4571.8 mm³	13601.6 mm³	785 mm³	4571.8 mm³	13601.6 mm³
LED Beam Weight	0.001 g	0.002 g	0.004 g	0.001 g	0.002 g	0.004 g
LED Beam Price	0.001 €	0.002 €	0.004 €	0.001 €	0.002 €	0.004 €
LED Beam Efficiency	100 lm/W	100 lm/W	100 lm/W	100 lm/W	100 lm/W	100 lm/W
LED Beam Efficacy	100 lm/W	100 lm/W	100 lm/W	100 lm/W	100 lm/W	100 lm/W
LED Beam Power Factor	0.95	0.95	0.95	0.95	0.95	0.95
LED Beam THD	0.1	0.1	0.1	0.1	0.1	0.1
LED Beam Flicker	0.1	0.1	0.1	0.1	0.1	0.1
LED Beam Temperature	25°C	25°C	25°C	25°C	25°C	25°C
LED Beam Humidity	50%	50%	50%	50%	50%	50%
LED Beam Shock	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Vibration	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Storage	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Handling	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Shipping	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Recycling	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Disposal	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Reuse	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Repair	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Maintenance	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Safety	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Compliance	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Certification	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Approval	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Registration	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Marking	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Labeling	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Packaging	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Distribution	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Sales	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Support	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Training	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Marketing	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Advertising	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Promotion	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Publicity	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Outreach	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Engagement	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Retention	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Loyalty	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Advocacy	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Referrals	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Reviews	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Ratings	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Testimonials	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Case Studies	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam White Papers	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Webinars	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Podcasts	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam E-books	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Reports	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Presentations	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Newsletters	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Blogs	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Social Media	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Influencers	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Partners	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Suppliers	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Distributors	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Retailers	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Wholesalers	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Importers	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Exporters	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Manufacturers	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Assemblers	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Finishers	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Distributors	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Retailers	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Wholesalers	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Importers	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Exporters	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Manufacturers	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Assemblers	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g
LED Beam Finishers	1000 g	1000 g	1000 g	1000 g	1000 g	1000 g



OSRAM


319638_QTP5 1x..

592499_EAC QTP5

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 QTP5

Product datasheet



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.

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.

Disclaimer

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

QTP5 1X80

QUICKTRONIC PROFESSIONAL 5 | ECG for 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
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
	NS 25W G13					
	NS 55W G13					