

## QT-ECO 1X4...16 S

QUICKTRONIC ECONOMIC | ECG for FL 7 mm and CFL



### Product family features

- Supply voltage: 220...240 V
- Line voltage: 198...264 V
- Line frequency: 50 Hz
- Energy Efficiency Index EEI: A2 / A3 (depending on lamp)
- Automatic shutdown of defective lamps and at end of life (EoL)

### Product family benefits

- Compact housing
- Automatic restart after lamp replacement
- Large input voltage range

### Areas of application

- Public buildings

# Product datasheet

## Technical data

### Electrical data

Nominal voltage	220...240 V
Mains frequency	50 Hz
Input voltage DC	176...254 V
Maximum output power	16 W
Efficiency in full-load	84 % <sup>1)</sup>
Operating frequency	40 kHz <sup>2)</sup>
Max. ECG no. on circuit breaker 10 A (B)	68
Max. ECG no. on circuit breaker 16 A (B)	112
Inrush current	10 A

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

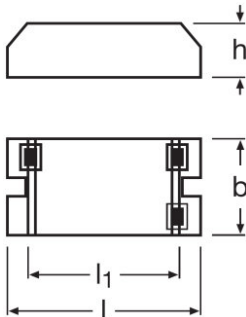
<sup>2)</sup> Approximately

### Light technical data

Starting time	1.0 s <sup>1)</sup>
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<sup>1)</sup> Preheat start: After a switch off, the lamps should remain switched off for 2 minutes to ensure an optimum preheat start

### Dimensions & weight



Length	80.0 mm
Width	40.0 mm
Height	22.0 mm
Mounting hole spacing, length	72.0...75.0 mm
Product weight	50.00 g

### Temperatures & operating conditions

Ambient temperature range	-15...+50/-15...+50 °C
Permitted rel. humidity during operation	5...85 % <sup>1)</sup>

<sup>1)</sup> Maximum 56 days/year at 85 %

## Product datasheet

### Lifespan

ECG lifetime	30000 h <sup>1)</sup>
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<sup>1)</sup> T<sub>c</sub> = 70°C, with max. 10% failure rate

### Additional product data

Suitable for lamp power (1 lamp)	4...16 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	1.0 m / 0.5 m
Dimmable	No
Intended for no-load operation	No

### Certificates & standards

Approval marks – approval	VDE
EEL – Energy Label	A2/A3 <sup>1)</sup>
Standards	Acc. to EN 61347-2-3/Acc. to EN 55015:2006 + A1:2007/Acc. to EN 61000-3-2/Acc. to EN 61547
Protection class	I
Type of protection	IP20

<sup>1)</sup> For detailed information please see Lamp-ECG combinations

### Logistical data

Commodity code	850410809000
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### Environmental information

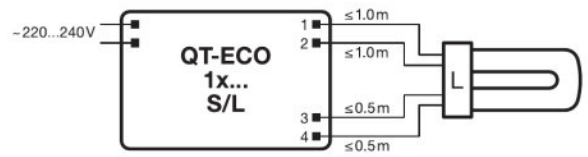
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	14-04-2022
Primary Article Identifier	4050300638584
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	245530b2-aba2-4b55-8b5c-d1b2c36960a0

Wiring Diagram

QUICKTRONIC® ECO

	QT-ECO 100/100	QT-ECO 100/150	QT-ECO 100/200	QT-ECO 100/250	QT-ECO 100/300
Max. I <sub>EL</sub>	60 A	30 A	30 A	30 A	30 A
Max. I <sub>EL</sub>	110 A	50 A	50 A	50 A	50 A
Max. I <sub>EL</sub>	< 10 A	< 10 A	< 10 A	< 10 A	< 10 A
T <sub>th</sub>	75 µs	100 µs	100 µs	100 µs	100 µs

QT-ECO 100/100, QT-ECO 100/150, QT-ECO 100/200, QT-ECO 100/250, QT-ECO 100/300  
 Max. permissible cable length between ECG and lamp: <math>L \leq 1.0 \text{ m}</math> (P/N 1, 2, 3, 4) <math>L \leq 0.5 \text{ m}</math> (P/N 5, 6)  
 Max. permissible cable length between ECG and lamp: <math>L \leq 1.0 \text{ m}</math> (P/N 1, 2, 3, 4) <math>L \leq 0.5 \text{ m}</math> (P/N 5, 6)  
 Max. Leitungslänge zwischen ECG und Lampe, Leiterpaarstränge mit:  
 1) Monoleiterschleifenpaar: max. 1.0 m (P/N 1, 2, 3, 4)  
 2) Zweileiterschleifenpaar: max. 0.5 m (P/N 5, 6)  
 3) Monoleiterschleifenpaar: max. 1.0 m (P/N 1, 2, 3, 4)  
 4) Zweileiterschleifenpaar: max. 0.5 m (P/N 5, 6)



OSRAM

592501\_EAC QT-ECO

723145\_Wiring Diagram QT-ECO 1x

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 QT ECO
Certificates 334955_VDE-Marks approval
Certificates 334983_VDE-Marks approval
Certificates 335154_Manufacturer's declaration &#150; EN 55015:2006+A1:2007 (300 MHz)
Certificates 683440_VDE-Marks approvals
Declarations of conformity QUICKTRONIC CE 3364256 190821

## Product datasheet

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	CAD data 3-dim 313443_80x40x22 9900019
	CAD data 3-dim 313452_80x40x22 9900019
	CAD data 3-dim 313497_80x40x22 9900019
	CAD data PDF 313386_80x40x22 9900019

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### 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.

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### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300638584	QT-ECO 1X4...16 S	Shipping carton box 50	212 mm x 142 mm x 170 mm	5.12 dm <sup>3</sup>	2791.00 g

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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.

## QT-ECO 1X4...16 S

QUICKTRONIC ECONOMIC | ECG for FL 7 mm and CFL

Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Power factor $\lambda$ [PIM]	Luminous flux at 25 °C	Number of lighting outlets	EEI – Energy Label
QT-ECO 1X4...16 S	DULUX D/E 10 W	0.08 A	11.50 W	0.60 c	600 lm	1	A3
	DULUX D/E 13 W	0.10 A	14.00 W	0.60 c	850 lm	1	A2
	DULUX S/E 11 W	0.09 A	13.00 W	0.60 c	900 lm	1	A3
	DULUX S/E 9 W	0.07 A	10.00 W	0.60 c	600 lm	1	A3
	DULUX T/E 13 W	0.10 A	14.00 W	0.60 c	800 lm	1	A2
	HE 14 W	0.10 A	15.00 W	0.60 c		1	A2
	HNS S/E 11W 2G7						
	HNS S/E 6.5W 2G7						
	HNS S/E 8W 2G7						
	L 13 W BASIC	0.08 A	15.00 W	0.60 c		1	
	L 16 W	0.11 A	16.00 W	0.60 c		1	
	L 6 W BASIC	0.06 A	8.50 W	0.60 c		1	
	L 8 W BASIC	0.07 A	10.50 W	0.60 c		1	
	NS 4W G5						
	NS 6W G5						
	NS 7W G5						

## Product datasheet

Product name	Lamp group	Luminous flux at 35 °C
QT-ECO 1X4...16 S	DULUX D/E 10 W	
	DULUX D/E 13 W	
	DULUX S/E 11 W	
	DULUX S/E 9 W	
	DULUX T/E 13 W	
	HE 14 W	1150 lm
	HNS S/E 11W 2G7	
	HNS S/E 6.5W 2G7	
	HNS S/E 8W 2G7	
	L 13 W BASIC	950 lm
	L 16 W	1100 lm
	L 6 W BASIC	270 lm
	L 8 W BASIC	450 lm
	NS 4W G5	
	NS 6W G5	
	NS 7W G5	