

QT-ECO 2X5...11 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 EEL: 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

Technical data

Electrical data

Nominal voltage	220...240 V
Mains frequency	50 Hz
Input voltage DC	176...254 V
Maximum output power	2 x 11 W
Efficiency in full-load	87 % ¹⁾
Operating frequency	30...45 kHz
Max. ECG no. on circuit breaker 10 A (B)	51
Max. ECG no. on circuit breaker 16 A (B)	84
Inrush current	12 A

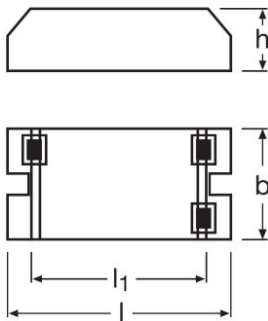
¹⁾ at 230 V, 50 Hz

Light technical data

Starting time	20 s ¹⁾
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¹⁾ Preheat start: After a switch off, the lamps should remain switched off for 2 minutes to ensure an optimum preheat start

Dimensions & weight



Length	800 mm
Width	400 mm
Height	220 mm
Mounting hole spacing, length	72.0...75.0 mm
Product weight	5200 g

Temperatures & operating conditions

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

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	30000 h ¹⁾
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¹⁾ T_C = 70°C, with max. 10% failure rate

Expected Lifetime

Product name	Lamp group				
QT-ECO 2X5...11 S	DULUX S/E 11 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	65	75
		Lifetime [h]	100000	50000	30000

Additional product data

Suitable for lamp power (2 lamps)	5...11 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 BAT ¹⁾
Standards	Acc. to EN 55015, CISPR 15/Acc. to EN 61547/IEC 61547/Acc. to EN 61000-3-2/IEC 61000-3-2/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	II
Type of protection	IP20

¹⁾ For detailed information please see Lamp-ECG combinations

Logistical data

Commodity code	85041080900
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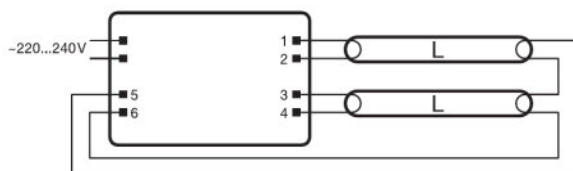
Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	19-05-2023

Product datasheet

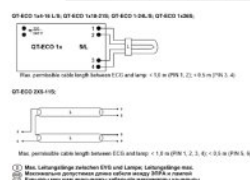
Primary Article Identifier	4050300821504
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	da5e7e7f-b368-466c-9a51-0c0f7db9520a

Wiring Diagram



QUICKTRONIC® ECO

	QT ECO 14P-16S	QT ECO 17P-21S	QT ECO 16P-24S	QT ECO 14SD	QT ECO 20P-15S
18A (B)	160 x 170x160 (S)	200 x 170x160 (S)	200 x 170x160 (S)	200 x 170x160 (S)	200 x 170x160 (S)
18A (B)	112 x	160 x	160 x	160 x	160 x
	170x160 (S)	170x160 (S)	170x160 (S)	170x160 (S)	170x160 (S)
A	≤ 12 A	≤ 13 A	≤ 13 A	≤ 14 A	≤ 12 A
Ta	750 cm	1.000 cm	1.000 cm	1.000 cm	1.000 cm



OSRAM

319614 QT ECO 2x5-11220-240 S

592501 EAC QT-ECO

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
	Addon Technical Information 57963_ADDON TECHNICAL INFORMATION QT-ECO 2x5-11 S (G+GB)

Product datasheet

	Product Datasheet 502688_ECG lifetime - QUICKTRONIC non DIM
	Certificates 334955_VDE-Marks approval
	Certificates 334983_VDE-Marks approval
	Certificates 335154_Manufacturer's declaration – EN 55015:2006+A1:2007 (300 MHz)
	Certificates 683440_VDE-Marks approvals
	Declarations of conformity QUICKTRONIC CE 3364256 060923
	CAD data 3-dim 313440_80x40x23 9900043
	CAD data 3-dim 313447_80x40x23 9900043
	CAD data 3-dim 313477_80x40x23 9900043
	CAD data PDF 313409_80x40x23 9900043

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
4050300821504	QT-ECO 2X5...11 S	Shipping carton box 50	212 mm x 172 mm x 143 mm	5.21 dm ³	2569.00 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-ECO 2X5...11 S

QUICKTRONIC ECONOMIC | ECG for FL 7 mm and CFL

Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Power factor λ [PIM]	Luminous flux at 25 °C	Number of lighting outlets	EEL – Energy Label
QT-ECO 2X5...11 S	DULUX D/E 10 W	0.14 A	20.00 W	0.60 c	600 lm	2	A2 BAT
	DULUX S/E 11 W	0.16 A	24.00 W	0.60 c	700 lm	2	A2 BAT
	DULUX S/E 9 W	0.13 A	18.00 W	0.60 c	550 lm	2	A2 BAT
	HNS S/E 11W 2G7						
	HNS S/E 6.5W 2G7						
	HNS S/E 8W 2G7						
	L 6 W BASIC	0.11 A	14.50 W	0.60 c		2	
	L 8 W BASIC	0.13 A	17.50 W	0.60 c		2	
	NS 6W G5						
	NS 7W G5						

Product name	Lamp group	Luminous flux at 35 °C
QT-ECO 2X5...11 S	DULUX D/E 10 W	
	DULUX S/E 11 W	
	DULUX S/E 9 W	
	HNS S/E 11W 2G7	
	HNS S/E 6.5W 2G7	
	HNS S/E 8W 2G7	

Product datasheet

Product name	Lamp group	Luminous flux at 35 °C
	L 6 W BASIC	280 lm
	L 8 W BASIC	450 lm
	NS 6W G5	
	NS 7W G5	