

QT-ECO 1X18...24 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
Operating frequency	40 kHz ¹⁾
Max. ECG no. on circuit breaker 10 A (B)	36
Max. ECG no. on circuit breaker 16 A (B)	59
Inrush current	13 A

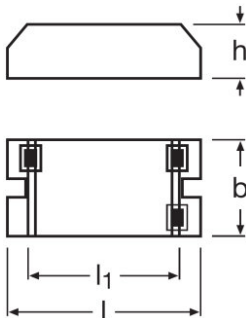
¹⁾ Approximately

Light technical data

Starting time	1.5 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	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 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

Product datasheet

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

Additional product data

Suitable for lamp power (1 lamp)	18...24 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

Certificates & standards

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

¹⁾ For detailed information please see Lamp-ECG combinations

Logistical data

Commodity code	850410809000
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Wiring Diagram

QUICKTRONIC® ECO

	QT-ECO 1X18-24	QT-ECO 1X18-20	QT-ECO 1X18-22	QT-ECO 1X20	QT-ECO 1X24
Max. I _{LED}	60 mA	30 mA	30 mA	30 mA	30 mA
Max. I _{LED} (Puls)	120 mA	60 mA	60 mA	60 mA	60 mA
Max. I _{LED} (Puls)	< 10 A	< 10 A	< 10 A	< 10 A	< 10 A
T _{th}	75 µs	100 µs	100 µs	100 µs	100 µs

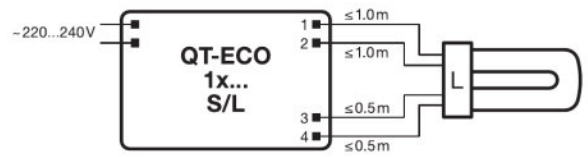
QT-ECO 1X18-24, QT-ECO 1X18-20, QT-ECO 1X18-22, QT-ECO 1X20, QT-ECO 1X24

Pin permitted cable length between ECU and lamp: $\le 1.0\text{ m (P/N 1, 2, 3, 4)}; \le 0.5\text{ m (P/N 3, 4)}$

QT-ECO 1X18-24

Max. permitted cable length between ECU and lamp: $\le 1.0\text{ m (P/N 1, 2, 3, 4)}; \le 0.5\text{ m (P/N 3, 4)}$

Max. Leiterlänge zwischen ECU und Lampe, Leiterabstände max.
 Maximaler zulässiger Drahtabstand zwischen ECU und Lampe
 Maximaler zulässiger Drahtabstand zwischen ECU und Lampe



OSRAM

592501_EAC QT-ECO

723145_Wiring Diagram QT-ECO 1x

Download Data

File	
	Product Datasheet 321436_ATI QT-ECO 1X18-24220-240 S (G+GB)
	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 090421
	CAD data 3-dim 313443_80x40x22 9900019
	CAD data 3-dim 313452_80x40x22 9900019
	CAD data 3-dim 313497_80x40x22 9900019

Product datasheet



CAD data PDF
313386_80x40x22 9900019

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300638560	QT-ECO 1X18...24 S	Shipping carton box 50	212 mm x 142 mm x 170 mm	5.12 dm ³	2791.00 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 1X18...24 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 35 °C	Number of lighting outlets
QT-ECO 1X18...24 S	DULUX F 18 W	0.13 A	18.00 W	0.60 c	1000 lm	1
	DULUX F 24 W	0.16 A	22.50 W	0.60 c	1500 lm	1
	DULUX L 18 W	0.13 A	18.00 W	0.92 c	1200 lm	1
	DULUX L 24 W	0.16 A	22.50 W	0.60 c	1600 lm	1
	FC 22 W	0.16 A	22.50 W	0.60 c	1650 lm	1
	HNS-L 18W 2G11					
	HNS-L 24W 2G11					
	HO 24 W	0.15 A	20.00 W	0.60 c	1600 lm	1
	L 15 W	0.13 A	17.00 W	0.60 c	950 lm	1
	L 18 W	0.14 A	19.00 W	0.60 c	1250 lm	1
	L 22 W C	0.14 A	20.00 W	0.60 c	1250 lm	1
	NS 11W G5					
	NS 15W G13					

Product name	Lamp group	EEI – Energy Label
QT-ECO 1X18...24 S	DULUX F 18 W	A2
	DULUX F 24 W	
	DULUX L 18 W	A2

Product datasheet

Product name	Lamp group	EEI – Energy Label
	DULUX L 24 W	
	FC 22 W	
	HNS-L 18W 2G11	
	HNS-L 24W 2G11	
	HO 24 W	
	L 15 W	A3
	L 18 W	A2
	L 22 W C	
	NS 11W G5	
	NS 15W G13	