

QTi 1X14/24/21/39 GII

QUICKTRONIC INTELLIGENT | 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 benefits

- Long lamp life
- No adverse effect from frequent on/off switching
- Automatic restart after lamp replacement
- Perfect lamp start for applications with motion sensors
- VDE/VDE EMC certified system
- Very high energy efficiency due to cut-off technology

Product 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: > 100,000 h (for T = 65 °C at T_c)
- Energy Efficiency Index EEL: 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

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	42...85 kHz
Max. ECG no. on circuit breaker 10 A (B)	17 ¹⁾
Max. ECG no. on circuit breaker 16 A (B)	28 ¹⁾
Inrush current	24 A

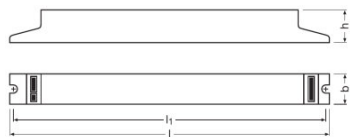
¹⁾ Type B

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	210.25 g

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Permitted rel. humidity during operation	5...85 %

Lifespan

Product datasheet

ECG lifetime	100000 h ¹⁾
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¹⁾ At T_{case} = 65°C at T_c point / 10% failure rate

Expected Lifetime

Product name	Lamp group				
QTi 1X14/24/21/39 GII	HE 14 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	45	55	65
		Lifetime [h]	100000	100000	100000
	HE 21 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	45	55	65
		Lifetime [h]	100000	100000	100000
	HO 24 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	50	60	65
		Lifetime [h]	100000	100000	90000
	HO 39 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	50	60	65
		Lifetime [h]	100000	100000	80000

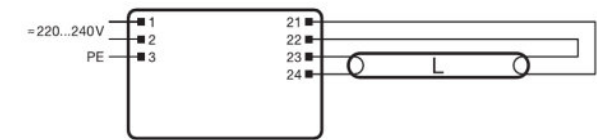
Capabilities

Suitable for emergency lighting	Yes
Suitable for fixtures with prot. class	I / II
End of lamp life safety shutdown	EOL T.2

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	II
Type of protection	IP20

Wiring Diagram



Wiring diagram

Download Data

File	
	Addon Technical Information 502689_Frequent switching Quicktronic
	Product Datasheet 502688_ECG lifetime - QUICKTRONIC non DIM
	Product Family Datasheet 336480_Family data sheet QT <i>i</i> GII
	Brochures 335514_Applications and luminaires solutions
	Certificates 334970_EMC-Marks approval
	Certificates 334971_ENEC-Marks approval
	Certificates 335097_INOTEC
	Certificates 335169_Manufacturer's declaration – LampECG combinations: Frequent switching
	Certificates 592319_EAC certificate for Quicktronics QT
	Certificates 504180_VDE-ENEC-Certificate QT <i>i</i>

Product datasheet

	Certificates 504207_VDE-EMC-Certificate QTl
	Declarations of conformity 334809_Declaration of conformity
	Operating instructions 592500_EAC QTl T5
	CAD data 3-dim 321772_QTl GII
	CAD data 3-dim 321773_QTl GII
	CAD data PDF 321774_QTl GII

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321383334	QTl 1X14/24/21/39 GII	Shipping carton box 20	392 mm x 98 mm x 165 mm	6.34 dm ³	4424.79 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.

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Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
QTi 1X14/24/21/39 GII	DULUX F 36 W	0.15 A	34.00 W	2750 lm	1
	DULUX L 36 W	0.15 A	34.00 W	2750 lm	1
	DULUX L 40 W	0.19 A	44.00 W	3500 lm	1
	FC 22 W	0.15 A	25.00 W	1800 lm	1
	FC 40 W	0.19 A	43.00 W	3200 lm	1
	HE 13 W ES	0.07 A	15.00 W	1150 lm	1
	HE 14 W	0.08 A	16.00 W	1200 lm	1
	HE 14 W SLS	0.08 A	16.00 W	1200 lm	1
	HE 19 W ES	0.10 A	22.00 W	1800 lm	1
	HE 21 W	0.11 A	24.00 W	1900 lm	1
	HE 21 W SLS	0.11 A	24.00 W	1900 lm	1
	HE 25 W ES	0.13 A	29.00 W	2500 lm	1
	HE 28 W	0.15 A	33.00 W	2700 lm	1
	HE 32 W ES	0.16 A	36.00 W	3150 lm	1
	HE 35 W	0.18 A	39.00 W	3300 lm	1
	HE 35 W XT	0.18 A	39.00 W	3300 lm	1
	HO 24 W	0.12 A	26.00 W	1750 lm	1

Product datasheet

Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
	HO 39 W	0.18 A	41.00 W	3100 lm	1
	HO 39 W SLS	0.18 A	41.00 W	3100 lm	1
	L 18 W	0.09 A	19.00 W	1350 lm	1
	L 18 W XT	0.09 A	19.00 W	1350 lm	1
	L 18 W XXT	0.09 A	19.00 W	1350 lm	1
	L 36 W	0.09 A	35.00 W	3350 lm	1
	L 36 W XT	0.09 A	35.00 W	3200 lm	1
	L 36 W XXT	0.09 A	35.00 W	3200 lm	1
	L 38 W	0.09 A	35.00 W	3300 lm	1