

QTi 1X28/54/35/49 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

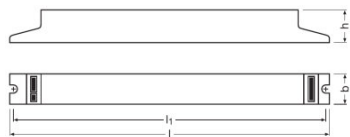
¹⁾ Type B

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	235.00 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 1X28/54/35/49 GII	HE 28 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	45	55	65
		Lifetime [h]	100000	100000	100000
	HE 35 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	45	55	65
		Lifetime [h]	100000	100000	100000
	HO 49 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	50	55	65
		Lifetime [h]	100000	100000	90000
	HO 54 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	50	60	70
		Lifetime [h]	100000	100000	80000

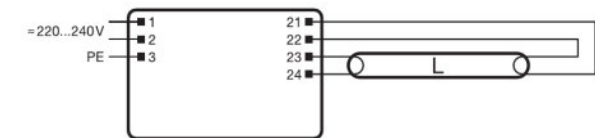
Capabilities

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 Frequent switching Quicktronic
	Product Datasheet ECG lifetime - QUICKTRONIC non DIM
	Product Family Datasheet Family data sheet QT <i>i</i> GII
	Brochures Applications and luminaires solutions
	Certificates EMC-Marks approval
	Certificates ENEC-Marks approval
	Certificates INOTEC
	Certificates Manufacturer's declaration LampECG combinations: Frequent switching
	Certificates VDE-ENEC-Certificate QT <i>i</i>
	Certificates VDE-EMC-Certificate QT <i>i</i>

Product datasheet

	Certificates 592319_EAC certificate for Quicktronics QT
	Declarations of conformity Declaration of conformity
	Operating instructions EAC QT _i T5
	CAD data 3-dim QT _i GII
	CAD data 3-dim QT _i GII
	CAD data PDF QT _i GII

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321383358	QT _i 1X28/54/35/49 GII	Shipping carton box 20	392 mm x 98 mm x 165 mm	6.34 dm ³	4919.99 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 1X28/54/35/49 GII	DULUX L 16 W HE	0.08 A	18.00 W	1500 lm	1
	DULUX L 22 W HE	0.11 A	25.00 W	2200 lm	1
	DULUX L 26 W HE	0.13 A	30.00 W	2600 lm	1
	DULUX L 28 W HE	0.14 A	31.00 W	2700 lm	1
	HE 13 W ES	0.07 A	15.00 W	1150 lm	1
	HE 14 W	0.08 A	16.00 W	1275 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 25 W ES	0.13 A	29.00 W	2500 lm	1
	HE 28 W	0.15 A	32.00 W	2600 lm	1
	HE 28 W SLS	0.15 A	32.00 W	2600 lm	1
	HE 32 W ES	0.16 A	36.00 W	3150 lm	1
	HE 35 W	0.17 A	38.00 W	3300 lm	1
	HE 35 W XT	0.17 A	38.00 W	3300 lm	1
	HO 45 W ES	0.21 A	48.00 W	4300 lm	1
	HO 49 W	0.24 A	53.00 W	4300 lm	1
	HO 50 W ES	0.23 A	54.00 W	4450 lm	1

Product datasheet

Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
	HO 54 W	0.26 A	58.00 W	4450 lm	1
	HO 54 W SLS	0.26 A	58.00 W	4450 lm	1
	HO 54 W XT	0.26 A	58.00 W	4450 lm	1
	L 58 W	0.24 A	55.00 W	5000 lm	1
	L 58 W XT	0.24 A	55.00 W	5000 lm	1
	L 58 W XXT	0.24 A	55.00 W	5000 lm	1