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 EEI: 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

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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

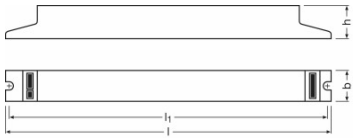
1) Type B

Light technical data

Starting time	1.0 s [1)]

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

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ECG lifetime	100000 h [1)]

[1)] At tcase = 65°C at tc point / 10 % failure rate

Expected Lifetime

Product name	Lamp group				
ZMP_1008195 QTI T8 HE HO DUL 1 220-240V	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

Download Data

	File
	Addon Technical Information Frequent switching Quicktronic
	Product Datasheet ECG lifetime - QUICKTRONIC non DIM

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	Product Family Datasheet Family data sheet QTi 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 QTi
	Certificates VDE-EMC-Certificate QTI
	Certificates EAC certificate for Quicktronics QT
	Declarations of conformity Declaration of conformity
	Operating instructions EAC QTi T5
	CAD data 3-dim QTi GII
	CAD data 3-dim QTi GII
	CAD data PDF QTi GII

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321383358	QTi 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
ZMP_1008195 QTI T8 HE HO DUL 1 220-240V	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 49 W CONSTANT	0.24 A	53.00 W	4450 lm	1
	HO 50 W ES	0.23 A	54.00 W	4450 lm	1

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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 CONSTANT	0.26 A	58.00 W	4850 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

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