

## QTi 2X35/49/80 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  $T = 65\text{ °C}$  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

# Product datasheet

## 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	45...70 kHz
Max. ECG no. on circuit breaker 10 A (B)	5 <sup>1)</sup>
Max. ECG no. on circuit breaker 16 A (B)	9 <sup>1)</sup>
Inrush current	39 A

<sup>1)</sup> Type B

### Light technical data

Starting time	1.0 s <sup>1)</sup>
---------------	---------------------

<sup>1)</sup> If there is a temporary interruption in the power supply (< 0.5 s), the lamp will start within 0.3 s

### Dimensions & weight



Length	424.0 mm
Width	30.0 mm
Height	21.0 mm
Mounting hole spacing, length	415.0 mm
Product weight	380.00 g

### Temperatures & operating conditions

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

### Lifespan

## Product datasheet

<b>ECG lifetime</b>	100000 h <sup>1)</sup>
---------------------	------------------------

<sup>1)</sup> At tcase = 65°C at tc point / 10 % failure rate

### Expected Lifetime

Product name	Lamp group				
ZMP_1030735 QTI HE HO DUL 2 220- 240V	HE 32 W ES	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	60	70
		Lifetime [h]	100000	100000	80000
	HE 35 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	60	70
		Lifetime [h]	100000	100000	70000
	HO 45 W ES	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	65	70
		Lifetime [h]	100000	100000	70000
	HO 49 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	65	70
		Lifetime [h]	100000	100000	60000
	HO 49 W CONSTANT	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	60	70	75
		Lifetime [h]	100000	80000	40000

### Capabilities

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

### Certificates & standards










<b>Approval marks – approval</b>	VDE / VDE-EMC / ENEC 10 / CE
<b>EEL – Energy Label</b>	A2 BAT
<b>Standards</b>	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
<b>Protection class</b>	III
<b>Type of protection</b>	IP20

### Download Data

File
------

## Product datasheet

---

	Addon Technical Information Frequent switching Quicktronic
	Product Datasheet ECG lifetime - QUICKTRONIC non DIM
	Product Family Datasheet Family data sheet QT <sub>i</sub> GII
	Certificates EMC-Marks approval
	Certificates ENEC-Marks approval
	Certificates VDE-ENEC-Certificate QT <sub>i</sub>
	Certificates VDE-EMC-Certificate QT <sub>i</sub>
	Certificates EAC certificate for Quicktronics QT
	Operating instructions EAC QT <sub>i</sub> T5

---

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321658951	QT <sub>i</sub> 2X35/49/80 GII	Shipping carton box 20	435 mm x 96 mm x 170 mm	7.10 dm <sup>3</sup>	7842.00 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.

## QTi 2X35/49/80 GII

QUICKTRONIC INTELLIGENT | ECG for FL 16 mm

Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
ZMP_1030735 QTI HE HO DUL 2 220-240V	DULUX L 26 W HE	0.27 A	61.00 W	2700 lm	2
	DULUX L 28 W HE	0.27 A	59.00 W	2650 lm	2
	DULUX L 55 W	0.53 A	119.00 W	4800 lm	2
	DULUX L 55 W CONSTANT	0.53 A	119.00 W	4800 lm	2
	DULUX L 55 W XT	0.53 A	119.00 W	4800 lm	2
	DULUX L 80 W	0.70 A	167.00 W	6000 lm	2
	DULUX L 80 W CONSTANT	0.70 A	167.00 W	6000 lm	2
	FC 55 W	0.53 A	119.00 W	4200 lm	2
	HE 13 W ES	0.16 A	30.00 W	1150 lm	2
	HE 14 W	0.18 A	34.00 W	1250 lm	2
	HE 19 W ES	0.21 A	43.00 W	1800 lm	2
	HE 21 W	0.23 A	49.00 W	2000 lm	2
	HE 25 W ES	0.26 A	57.00 W	2500 lm	2
	HE 28 W	0.30 A	63.00 W	2650 lm	2
	HE 32 W ES	0.33 A	70.00 W	3150 lm	2
	HE 35 W	0.36 A	77.00 W	3400 lm	2
	HE 35 W XT	0.36 A	77.00 W	3400 lm	2
	HO 45 W ES	0.43 A	95.00 W	4300 lm	2

## Product datasheet

Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
	HO 49 W	0.45 A	105.00 W	4300 lm	2
	HO 49 W CONSTANT	0.45 A	105.00 W	4450 lm	2
	HO 73 W ES	0.66 A	155.00 W	6150 lm	2
	HO 80 W	0.70 A	167.00 W	6150 lm	2
	HO 80 W CONSTANT	0.70 A	167.00 W	6800 lm	2
	HO 80 W XT	0.70 A	167.00 W	6150 lm	2