

## 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 family 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 family 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

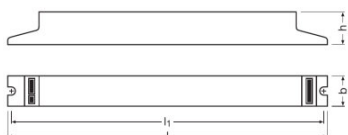
<sup>1)</sup> Type B

### Light technical data

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

<sup>1)</sup> Maximum 56 days/year at 85 %

## Product datasheet

### Lifespan

<b>ECG lifetime</b>	100000 h <sup>1)</sup>
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<sup>1)</sup> At  $T_{case} = 65^{\circ}\text{C}$  at  $T_{point}$  / 10% failure rate

### Expected Lifetime

Product name	Lamp group				
QTi 2X35/49/80 GII	DULUX L 80 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	60	70	75
		Lifetime [h]	100000	80000	50000
	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 73 W ES	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	60	70	75
		Lifetime [h]	100000	80000	40000

### Additional product data

<b>Suitable for lamp power (2 lamps)</b>	35...80 W
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### 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
<b>Max. cable length to lamp/LED module</b>	2.0 m / 1.0 m
<b>Dimmable</b>	No

### Certificates & standards

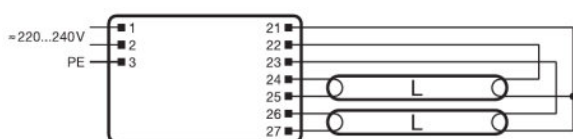
## Product datasheet

Approval marks – approval	VDE / VDE-EMC / ENEC 10 / CE
EEL – 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	III
Type of protection	IP20

## Logistical data





Commodity code	850410809000
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## Wiring Diagram








## Wiring diagram

## Download Data

File	
	Addon Technical Information 502689_Frequent switching Quicktronic
	Product Datasheet 502688_ECG lifetime - QUICKTRONIC non DIM
	Certificates 334970_EMC-Marks approval
	Certificates 334971_ENEC-Marks approval

## Product datasheet

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	Certificates 334971_ENEC-Marks approval
	Certificates 592319_EAC certificate for Quicktronics QT
	Certificates 504180_VDE-ENEC-Certificate QT <i>i</i>
	Certificates 504207_VDE-EMC-Certificate QT <i>i</i>
	Operating instructions 592500_EAC QT <i>i</i> T5

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## Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321658951	QT <i>i</i> 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

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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

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Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
QTi 2X35/49/80 GII	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 80 W	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
	HO 49 W	0.45 A	105.00 W	4300 lm	2
	HO 73 W ES	0.66 A	155.00 W	6150 lm	2

## Product datasheet

Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
	HO 80 W	0.70 A	167.00 W	6150 lm	2
	HO 80 W XT	0.70 A	167.00 W	6150 lm	2