

## 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  $T = 65\text{ °C}$  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	42...85 kHz
Max. ECG no. on circuit breaker 10 A (B)	17 <sup>1)</sup>
Max. ECG no. on circuit breaker 16 A (B)	28 <sup>1)</sup>
Inrush current	24 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	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

<b>ECG lifetime</b>	100000 h <sup>1)</sup>
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<sup>1)</sup> At  $T_{case} = 65^{\circ}C$  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

<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>EEI – 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>	II
<b>Type of protection</b>	IP20

### Download Data

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

## Product datasheet

	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>
	Certificates EAC certificate for Quicktronics QT
	Declarations of conformity Declaration of conformity
	Operating instructions EAC QT <i>i</i> T5
	CAD data 3-dim QT <i>i</i> GII
	CAD data 3-dim QT <i>i</i> GII
	CAD data PDF QT <i>i</i> GII

### Logistical Data

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

## QTi 1X14/24/21/39 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 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 36 W XT	0.15 A	34.00 W	2750 lm	1
	DULUX L 40 W	0.19 A	44.00 W	3500 lm	1
	DULUX L 40 W CONSTANT	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

## Product datasheet

Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
	HO 24 W	0.12 A	26.00 W	1750 lm	1
	HO 24 W CONSTANT	0.12 A	26.00 W	1900 lm	1
	HO 24 W SLS	0.12 A	26.00 W	1750 lm	1
	HO 39 W	0.18 A	41.00 W	3100 lm	1
	HO 39 W CONSTANT	0.18 A	41.00 W	3300 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