

## PRODUCT DATASHEET

### QTP5 1X14...35

QUICKTRONIC PROFESSIONAL 5 | 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
- Perfect lamp start for applications with motion sensors
- Automatic restart after lamp replacement
- 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: up to 100,000 h (temperature at  $T_c = 65$  °C, max. 10 % failure rate)
- 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

**TECHNICAL DATA**

Electrical data

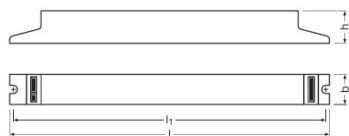
<b>Input voltage AC</b>	198...264 V
<b>Nominal voltage</b>	220...240 V
<b>Mains frequency</b>	50...60 Hz
<b>Input voltage DC</b>	176...276 V
<b>Operating frequency</b>	40...50 kHz
<b>Max. ECG no. on circuit breaker 10 A (B)</b>	17 <sup>1)</sup>
<b>Max. ECG no. on circuit breaker 16 A (B)</b>	28 <sup>1)</sup>
<b>Inrush current</b>	24 A

<sup>1)</sup> Type B

Light technical data

<b>Starting time</b>	1.0 s
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Dimensions & weight



<b>Length</b>	280.0 mm
<b>Width</b>	30.0 mm
<b>Height</b>	21.0 mm
<b>Mounting hole spacing, length</b>	270.0 mm
<b>Product weight</b>	171.00 g

Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+50 °C
<b>Permitted rel. humidity during operation</b>	5...85 % <sup>1)</sup>

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

Lifespan

<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				
QTP5 1X14...35	HE 35 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	50	60	65
		Lifetime [h]	100000	100000	90000

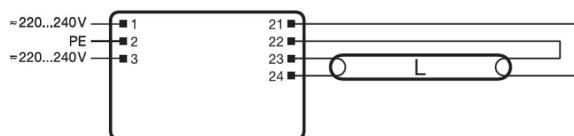
Capabilities

<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 / CE / ENEC 10
<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>	I/II
<b>Type of protection</b>	IP20

Wiring Diagram



Wiring diagram

**DOWNLOAD DATA**

File	
	Product Datasheet 321531_ATI QTP5 1x14-35 (G+GB)
	Product Datasheet 334048_QUICKTRONIC PROFESSIONAL &#150; QTP5
	Product Datasheet 502688_ECG lifetime - QUICKTRONIC non DIM
	Product Family Datasheet 336478_Family data sheet QTP5
	Certificates 554891_EAC PT family
	Certificates 335002_EMC-Marks approval
	Certificates 335097_INOTEC
	Certificates 335098_CEAG
	Certificates 335101_ENEC-VDE-Marks approval
	Certificates 335128_VDE Quality Tested Simplified luminaire approbation
	Certificates 335169_Manufacturer's declaration &#150; LampECG combinations: Frequent switching
	Certificates 504210_VDE-EMC-Certificate QT5
	Declarations of conformity 339525_Declaration of Conformity (GB)
	Installation/Operation notice 334142_Technical guide - ECGs for T5-lamps
	Operating instructions 592499_EAC QTP5
	CAD data 3-dim 322169_QTP5 1x14-35, QTP5 1x24-39, QTP5 1x49, QTP5 1X54
	CAD data 3-dim 322170_QTP5 1x14-35, QTP5 1x24-39, QTP5 1x49, QTP5 1X54
	CAD data PDF 322176_QTP5 1x14-35, QTP5 1x24-39, QTP5 1x49, QTP5 1X54

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321329042	Shipping carton box 20	303 mm x 101 mm x 159 mm	3586.00 g	4.87 dm <sup>3</sup>

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.

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**DISCLAIMER**

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

## QUICKTRONIC PROFESSIONAL 5 | ECG for FL 16 mm

Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
QTP5 1X14...35	DULUX L 22 W HE	0.11 A	24.00 W	2055 lm	1
	DULUX L 26 W HE	0.13 A	29.00 W	2470 lm	1
	DULUX L 28 W HE	0.13 A	28.50 W	2550 lm	1
	HE 13 W ES	0.075 A	15.00 W	1150 lm	1
	HE 14 W	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 25 W ES	0.12 A	27.00 W	2450 lm	1
	HE 28 W	0.14 A	31.00 W	2600 lm	1
	HE 32 W ES	0.15 A	34.00 W	3100 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