

## QTP5 1X14...35

QUICKTRONIC PROFESSIONAL 5 | ECG for FL 16 mm



### 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

### 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

### 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 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	40...50 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

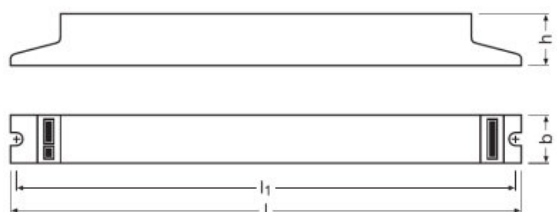
<sup>1)</sup> Type B

### 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	280.0 mm
Width	30.0 mm
Height	21.0 mm
Mounting hole spacing, length	270.0 mm
Product weight	171.00 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  $T_{c\_point}$  / 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

### Additional product data

<b>Suitable for lamp power (1 lamp)</b>	14...35 W
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### Capabilities

<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

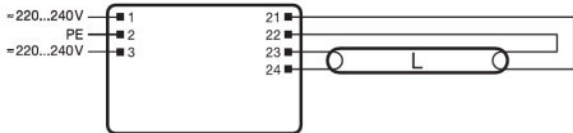
### Certificates & standards

<b>Approval marks – approval</b>	VDE / VDE-EMC / CE / ENEC 10
<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

### Logistical data

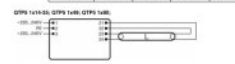
<b>Commodity code</b>	850410809000
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Wiring Diagram

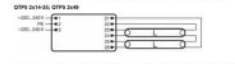


QUICKTRONIC® QTP5

TYPE	QTP5 1x14-35	QTP5 1x48	QTP5 1x80	QTP5 2x14-35	QTP5 2x48	QTP5 2x14-35
LED	17 x	17 x	17 x	17 x	17 x	17 x
LED	8 70°C/50°C	8 70°C/50°C	8 70°C/50°C	8 70°C/50°C	8 70°C/50°C	8 70°C/50°C
LED	20 x	20 x	20 x	20 x	20 x	20 x
LED	8 70°C/50°C	8 70°C/50°C	8 70°C/50°C	8 70°C/50°C	8 70°C/50°C	8 70°C/50°C
LED	<math>\le 30 A</math>	<math>\le 20 A</math>	<math>\le 10 A</math>	<math>\le 20 A</math>	<math>\le 10 A</math>	<math>\le 10 A</math>
LED	200 µs	200 µs	200 µs	200 µs	100 µs	200 µs



Max. permitted cable length in between ECG and temp. 2.0 m (QTP5 21, 22, 23, 25), 1.0 m (QTP5 23, 24)



Max. permitted cable length in between ECG and temp. 2.0 m (QTP5 21, 22, 23, 25), 1.0 m (QTP5 23, 24)



Max. permitted cable length in between ECG and temp. 1.0 m (QTP5 4, 5, 11, 22, 23, 24), 1.0 m (QTP5 6, 7, 25, 26)

1) Max. Leiterplattenlänge zwischen ECG und Lampe. Leiterplattenlänge max.  
 2) Maximaler zulässiger Leiterplattenabstand QTP5 + Lampe.  
 3) Angaben von einer spezifizierten Leiterplatte her.



319638\_QTP5 1x..







592499\_EAC QTP5

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
	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

## Product datasheet

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	Certificates 592319_EAC certificate for Quicktronics QT
	Certificates 504210_VDE-EMC-Certificate QT5
	Declarations of conformity Quicktronic CE 3364256 090421
	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

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## Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321329035	QTP5 1X14...35	Shipping carton box 20	303 mm x 101 mm x 159 mm	4.87 dm <sup>3</sup>	3586.00 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.

## QTP5 1X14...35

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Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Power factor $\lambda$ [PIM]	Luminous flux at 35 °C	Number of lighting outlets
QTP5 1X14...35	DULUX L 28 W HE	0.13 A	28.50 W	0.95	2550 lm	1
	HE 13 W ES	0.075 A	15.00 W	0.90 c	1150 lm	1
	HE 14 W	0.08 A	16.00 W	0.90 c	1200 lm	1
	HE 19 W ES	0.10 A	22.00 W	0.95	1800 lm	1
	HE 21 W	0.11 A	24.00 W	0.95	1900 lm	1
	HE 25 W ES	0.12 A	27.00 W	0.96	2450 lm	1
	HE 28 W	0.14 A	31.00 W	0.96	2600 lm	1
	HE 32 W ES	0.15 A	34.00 W	0.97	3100 lm	1
	HE 35 W	0.17 A	38.00 W	0.97	3300 lm	1
	HE 35 W XT	0.17 A	38.00 W	0.97	3300 lm	1