

PRODUCT FAMILY DATASHEET 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

Product description	Input voltage AC	Nominal voltage	Mains frequency	Input voltage DC
QTP5 1X14...35	198...264 V	220...240 V	50...60 Hz	176...276 V
QTP5 1X49	198...264 V	220...240 V	50...60 Hz	176...276 V
QTP5 1X80	198...264 V	220...240 V	50...60 Hz	176...276 V
QTP5 2X14...35	198...264 V	220...240 V	50...60 Hz	176...276 V
QTP5 2X49	198...264 V	220...240 V	50...60 Hz	176...276 V
QTP5 3X14,4X14		220...240 V	50...60 Hz	176...276 V

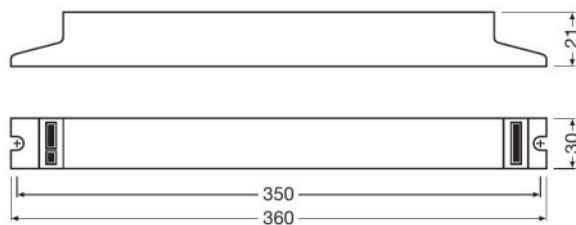
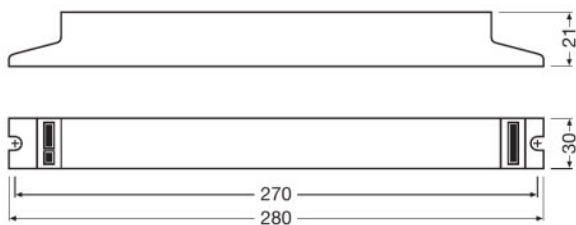
Light technical data

Product description	Starting time
QTP5 1X14...35	1.0 s
QTP5 1X49	1.0 s
QTP5 1X80	1.0 s
QTP5 2X14...35	1.0 s
QTP5 2X49	1.0 s
QTP5 3X14,4X14	1.0 s

Dimensions & weight

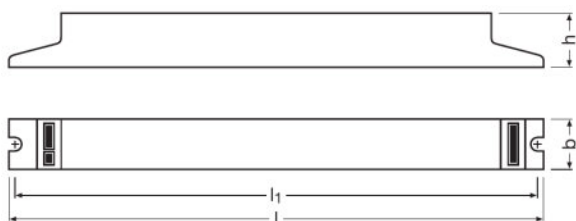
Product description	Length	Width	Height	Mounting hole spacing, length	Product weight
QTP5 1X14...35	280.0 mm	30.0 mm	21.0 mm	270.0 mm	171.00 g
QTP5 1X49	280.0 mm	30.0 mm	21.0 mm	270.0 mm	168.50 g
QTP5 1X80	360.0 mm	30.0 mm	21.0 mm	350.0 mm	235.50 g
QTP5 2X14...35	360.0 mm	30.0 mm	21.0 mm	350.0 mm	234.00 g
QTP5 2X49	360.0 mm	30.0 mm	21.0 mm	350.0 mm	240.00 g
QTP5 3X14,4X14	280.0 mm	40.0 mm	21.0 mm	270.0 mm	211.00 g

Product line drawing



QTP5 1X14...35, QTP5 1X49

QTP5 1X80, QTP5 2X14...35, QTP5 2X49



QTP5 3X14,4X14

Temperatures & operating conditions

Product description	Ambient temperature range
QTP5 1X14...35	-20...+50 °C
QTP5 1X49	-20...+50 °C
QTP5 1X80	-20...+50 °C
QTP5 2X14...35	-20...+50 °C
QTP5 2X49	-20...+50 °C
QTP5 3X14,4X14	-20...+50 °C

Lifespan

Product description	ECG lifetime
QTP5 1X14...35	100000 h ¹⁾
QTP5 1X49	100000 h ¹⁾
QTP5 1X80	100000 h ¹⁾
QTP5 2X14...35	100000 h ¹⁾
QTP5 2X49	100000 h ¹⁾
QTP5 3X14,4X14	100000 h ¹⁾

¹⁾ At T_{case} = 65°C at T_c point / 10% failure rate

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
Product name	Lamp group				
QTP5 1X49	HO 49 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	60	70
		Lifetime [h]	100000	100000	70000
	HO 49 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	60	70
		Lifetime [h]	100000	100000	70000
Product name	Lamp group				
QTP5 1X80	HO 80 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	65	70
		Lifetime [h]	100000	100000	70000
Product name	Lamp group				
QTP5 2X14...35	HE 35 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	65	70
		Lifetime [h]	100000	100000	60000
Product name	Lamp group				
QTP5 2X49	HO 45 W ES	ECG ambient temperature [ta]	40	50	60

		Temperature at tc-point [°C]	55	65	75
		Lifetime [h]	100000	100000	60000
	HO 49 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	60	65	75
		Lifetime [h]	100000	80000	50000

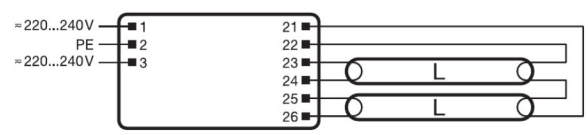
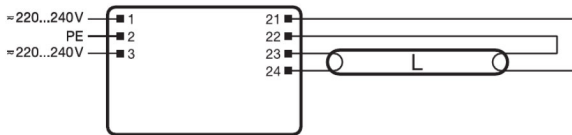
Capabilities

Product description	End of lamp life safety shutdown	Suitable for fixtures with prot. class
QTP5 1X14...35	EOL T.2	I / II
QTP5 1X49	EOL T.2	I / II
QTP5 1X80	EOL T.2	I / II
QTP5 2X14...35	EOL T.2	I / II
QTP5 2X49	EOL T.2	I / II
QTP5 3X14,4X14	EOL T.2	I / II

Certificates & standards

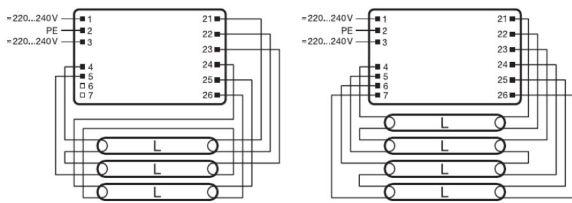
Product description	Approval marks – approval	EEI – Energy Label	Protection class
QTP5 1X14...35	VDE / VDE-EMC / CE / ENEC 10	A2 BAT	I/II
QTP5 1X49	VDE / VDE-EMC / ENEC 10 / CE	A2 BAT	I/II
QTP5 1X80	VDE / VDE-EMC / ENEC 10 / CE	A2 BAT	I/II
QTP5 2X14...35	VDE / VDE-EMC / CE / ENEC 10	A2 BAT	I/II
QTP5 2X49	VDE / VDE-EMC / ENEC 10 / CE	A2 BAT	I/II
QTP5 3X14,4X14	VDE / VDE-EMC / ENEC 10 / CE	A2 BAT	I/II

Wiring Diagram



QTP5 1X14...35, QTP5 1X49, QTP5 1X80

QTP5 2X14...35, QTP5 2X49



QTP5 3X14,4X14

APPLICATION ADVICE
















For more detailed application information and graphics please see product datasheet.

SALES AND TECHNICAL SUPPORT

Sales and Technical Support www.ledvance.com**COUNTRY SPECIFIC INFORMATION**

Product description	Product code	METEL code	SEG number	STK number	UK Org
QTP5 1X14...35	4008321329035	OSRQTP51X1435	7980307	4030205	-
QTP5 1X49	4008321329370	OSRQTP51X49	7980310	4030209	-
QTP5 1X80	4008321329059	OSRQTP51X80	7980212	4030213	-
QTP5 2X14...35	4008321329073	OSRQTP52X1435	7980308	4030206	-
QTP5 2X49	4008321329431	OSRQTP52X49	7980314	4030210	-
QTP5 3X14,4X14	4008321484598	OSRQTP534X14	7980306	4030029	-

DOWNLOAD DATA

File
 Product Datasheet 321531_ATI QTP5 1x14-35 (G+GB)
 Product Datasheet 334048_QUICKTRONIC PROFESSIONAL – 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 – 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
	Product Datasheet 321536_ATI QTP5 1x49 (G+GB)
	CAD data 3-dim 313485_360x30x21 9900024
	CAD data 3-dim 313490_360x30x21 9900024
	CAD data 3-dim 314282_360x30x21 9900024
	CAD data PDF 313392_360x30x21 9900024
	Product Datasheet 321542_ATI QTP5 3X14,4X14 (G+GB)
	CAD data 3-dim 322171_QTP5 3X14,4X14
	CAD data 3-dim 322172_QTP5 3X14,4X14
	CAD data PDF 322177_QTP5 3X14,4X14

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 ³
4008321329387	Shipping carton box 20	322 mm x 98 mm x 167 mm	3949.00 g	5.27 dm ³
4008321329066	Shipping carton box 20	370 mm x 96 mm x 170 mm	4881.00 g	6.04 dm ³
4008321329080	Shipping carton box 20	370 mm x 96 mm x 170 mm	4900.00 g	6.04 dm ³
4008321329448	Shipping carton box 20	392 mm x 98 mm x 165 mm	4971.00 g	6.34 dm ³
4008321484604	Shipping carton box 20	304 mm x 115 mm x 171 mm	4475.00 g	5.98 dm ³

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.