

PRODUCT DATASHEET QTP-OPTIMAL 1X54...58

QUICKTRONIC PROFESSIONAL OPTIMAL | ECG for FL and CFL, not dimmable



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: up to 100,000 h (temperature at $T_c = 65^\circ\text{C}$, 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

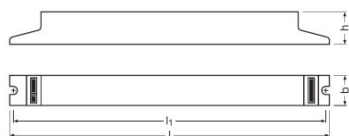
Input voltage AC	198...264 V
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage DC	176...276 V
Operating frequency	40...50 kHz
Max. ECG no. on circuit breaker 10 A (B)	12 ¹⁾
Max. ECG no. on circuit breaker 16 A (B)	19 ¹⁾

¹⁾ Type B

Light technical data

Starting time	1.5 s
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Dimensions & weight



Length	280.0 mm
Width	30.0 mm
Height	21.0 mm
Mounting hole spacing, length	270.0 mm
Product weight	180.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Permitted rel. humidity during operation	5...85 %

Lifespan

ECG lifetime	100000 h ¹⁾
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¹⁾ At T_{case} = 65°C at T_c point / 10% failure rate

Expected Lifetime

Product name	Lamp group				
QTP-OPTIMAL 1X54...58	DULUX L 55 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	60	70
		Lifetime [h]	100000	100000	70000
	L 58 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	60	70
		Lifetime [h]	100000	100000	80000

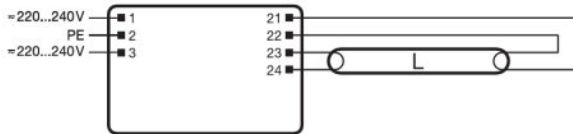
Capabilities

Suitable for fixtures with prot. class	I / II
End of lamp life safety shutdown	EOL T.2

Certificates & standards











Approval marks – approval	EL / VDE / ENEC 10 / VDE-EMC
EEI – Energy Label	A2 BAT
Standards	Acc. to IEC 61347-2-3 / App. JAcc. to EN 55015:2006 + A1:2007 + A2:2009Acc. to IEC 61000-3-2Acc. to IEC 61547
Protection class	III
Type of protection	IP20

Wiring Diagram



Wiring diagram

DOWNLOAD DATA

File
 Addon Technical Information 502689_Frequent switching Quicktronic
 Product Datasheet 502688_ECG lifetime - QUICKTRONIC non DIM
 Product Family Datasheet 346489_Familiendatenblatt QTP-Optimal
 Certificates 554891_EAC PT family
 Certificates 349650_QTP-OPTIMAL VDE Certificate
 Certificates 346505_ENEC QTP-Optimal
 Certificates 346506_EMG QTP-Optimal
 Certificates 346512_CE QTP-Optimal
 Declarations of conformity 339525_Declaration of Conformity (GB)
 Operating instructions 590771_EAC QTP-OPTIMAL

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321873736	Shipping carton box 20	303 mm x 159 mm x 101 mm	3766.00 g	4.87 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.

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Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
QTP-OPTIMAL 1X54...58	DULUX L 55 W	0.24 A	50.00 W	4800 lm	1
	DULUX L 55 W CONSTANT	0.21 A	50.00 W	4800 lm	1
	DULUX L 55 W XT	0.21 A	50.00 W	4800 lm	1
	HO 50 W ES	0.26 A	54.00 W	4450 lm	1
	HO 54 W	0.26 A	54.00 W	4450 lm	1
	HO 54 W CONSTANT	0.26 A	54.00 W	4450 lm	1
	HO 54 W XT	0.26 A	54.00 W	4450 lm	1
	L 58 W	0.25 A	54.00 W	5000 lm	1
	L 58 W XT	0.25 A	54.00 W	5000 lm	1
	L 58 W XXT	0.25 A	54.00 W	5000 lm	1