

## QTP-OPTIMAL 1X54...58

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



### 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
- 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

### 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
Maximum output power	58 W
Efficiency in full-load	92 % <sup>1)</sup>
Operating frequency	40...50 kHz
Max. ECG no. on circuit breaker 10 A (B)	12 <sup>2)</sup>
Max. ECG no. on circuit breaker 16 A (B)	19 <sup>2)</sup>

<sup>1)</sup> at 230 V, 50 Hz

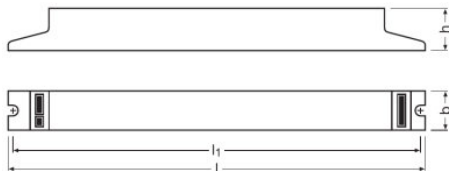
<sup>2)</sup> Type B

### Light technical data

Starting time	1.5 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	180.00 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  $T_{point}$  / 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

### Additional product data

<b>Suitable for lamp power (1 lamp)</b>	54...58 W
<b>Predecessor EAN</b>	4008321390158

### 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
<b>Max. cable length to lamp/LED module</b>	2.0 m / 1.0 m
<b>Dimmable</b>	No
<b>Intended for no-load operation</b>	No

### Certificates & standards










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

### Logistical data

<b>Commodity code</b>	85041080900
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## Product datasheet

File	
	User instruction QUICKTRONIC QTP OPTIMAL
	Addon Technical Information 502689_Frequent switching Quicktronic
	Product Datasheet 502688_ECG lifetime - QUICKTRONIC non DIM
	Certificates 592319_EAC certificate for Quicktronics QT
	Certificates 349650_QTP-OPTIMAL VDE Certificate
	Certificates 346505_ENEC QTP-Optimal
	Certificates 346506_EMG QTP-Optimal
	Certificates 346512_CE QTP-Optimal
	Declarations of conformity QUICKTRONIC CE 3364256 060923

### Ecodesign regulation information:

- Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321873729	QTP-OPTIMAL 1X54...58	Shipping carton box 20	305 mm x 161 mm x 104 mm	5.11 dm <sup>3</sup>	3777.00 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.

## QTP-OPTIMAL 1X54...58

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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
QTP-OPTIMAL 1X54...58	DULUX L 55 W	0.24 A	50.00 W	0.98	4800 lm	1
	HNS 20 4P SE					
	HNS 36 4P SE					
	HO 50 W ES	0.26 A	54.00 W	0.98	4450 lm	1
	HO 54 W	0.26 A	54.00 W	0.98	4450 lm	1
	L 58 W	0.25 A	54.00 W	0.98	5000 lm	1
	NS 55W G13					