

QTP-OPTIMAL 2X54...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

Product 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 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 datasheet

Technical data

Electrical data

Input voltage	198...264 V
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
DC voltage	176...276 V
Operating frequency	40...50 kHz
Max. no. of ECGs on circuit breaker 10 A	8 ¹⁾
Max. no. of ECGs on circuit breaker 16 A	13 ¹⁾
Inrush current	57 A

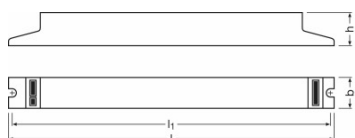
¹⁾ Type B

Light technical data

Starting time	1.5 s ¹⁾
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¹⁾ If there is a temporary interruption in the power supply (< 0.5 s), the lamp will start within 0.3 s

Dimensions & weight



Length	360.0 mm
Width	30.0 mm
Height	21.0 mm
Mounting hole spacing, length	350.0 mm
Product weight	239.90 g

Temperatures

Ambient temperature range	-20...+50 °C
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Lifespan

ECG lifetime	100000 h ¹⁾
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Product datasheet

1) At tcase = 65°C at tc point / 10 % failure rate

Expected Lifetime

Product name	Lamp group				
QTP-OPTIMAL 2x54-58	HO 54 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	60	65	75
		Lifetime [h]	100000	90000	50000
	L 58 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	65	75
		Lifetime [h]	100000	100000	60000








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. J/Acc. to EN 55015:2006 + A1:2007 + A2:2009/Acc. to EN 61000-3-2/Acc. to EN 61547
Protection class	I/II

Download Data

File	
	Addon Technical Information Frequent switching Quicktronic
	Product Datasheet ECG lifetime - QUICKTRONIC non DIM
	Product Family Datasheet Familiendatenblatt QTP-Optimal
	Certificates ENEC QTP-Optimal
	Certificates EMC QTP-Optimal
	Certificates CE QTP-Optimal
	Certificates QTP-OPTIMAL VDE Certificate

Product datasheet

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321880253	QTP-OPTIMAL 2X54...58	Shipping carton box 20	385 mm x 160 mm x 100 mm	6.16 dm ³	5016.00 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.

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Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets	ECG_1.1 Ambient temperature for lifespan
QTP-OPTIMAL 2x54-58	DULUX L 55 W	0.24 A	98.00 W	4800 lm	2	
	DULUX L 55 W CONSTANT		98.00 W	4800 lm	2	
	DULUX L 55 W XT		98.00 W	4800 lm	2	
	HO 50 W ES		107.00 W	4450 lm	2	
	HO 54 W	0.26 A	107.00 W	4450 lm	2	40 °C
	HO 54 W CONSTANT		107.00 W	4450 lm	2	
	HO 54 W XT		107.00 W	4450 lm	2	
	L 58 W	0.25 A	107.00 W	5000 lm	2	40 °C
	L 58 W XT		107.00 W	5000 lm	2	
	L 58 W XXT		107.00 W	5000 lm	2	

Product name	Lamp group	ECG_1.2 Ambient temperature for lifespan	ECG_1.3 Ambient temperature for lifespan	ECG_2.1 Tc point temperature for lifespa	ECG_2.2 Tc point temperature for lifespa
QTP-OPTIMAL 2x54-58	DULUX L 55 W				
	DULUX L 55 W CONSTANT				
	DULUX L 55 W XT				
	HO 50 W ES				
	HO 54 W	50 °C	60 °C	60 °C	65 °C
	HO 54 W CONSTANT				

Product datasheet

Product name	Lamp group	ECG_1.2 Ambient temperature for lifespan	ECG_1.3 Ambient temperature for lifespan	ECG_2.1 Tc point temperature for lifespa	ECG_2.2 Tc point temperature for lifespa
	HO 54 W XT				
	L 58 W	50 °C	60 °C	55 °C	65 °C
	L 58 W XT				
	L 58 W XXT				

Product name	Lamp group	ECG_2.3 Tc point temperature for lifespa	ECG_3.1 Temperature dependent lifespan	ECG_3.2 Temperature dependent lifespan	ECG_3.3 Temperature dependent lifespan
QTP-OPTIMAL 2x54-58	DULUX L 55 W				
	DULUX L 55 W CONSTANT				
	DULUX L 55 W XT				
	HO 50 W ES				
	HO 54 W	75 °C	100000 h	90000 h	50000 h
	HO 54 W CONSTANT				
	HO 54 W XT				
	L 58 W	75 °C	100000 h	100000 h	60000 h
	L 58 W XT				
	L 58 W XXT				