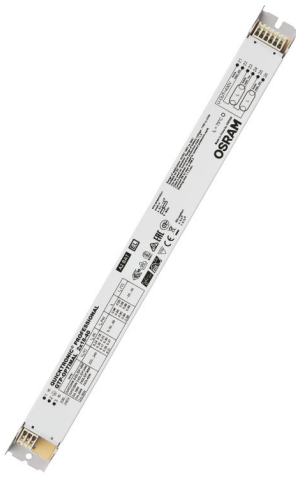


## PRODUCT DATASHEET QTP-OPTIMAL 2X18...40

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

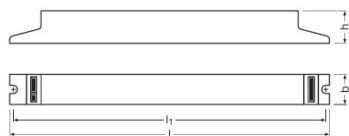
<b>Input voltage AC</b>	198...264 V
<b>Nominal voltage</b>	220...240 V
<b>Mains frequency</b>	50...60 Hz
<b>Input voltage DC</b>	176...276 V
<b>Operating frequency</b>	40...50 kHz
<b>Max. ECG no. on circuit breaker 10 A (B)</b>	12 <sup>1)</sup>
<b>Max. ECG no. on circuit breaker 16 A (B)</b>	19 <sup>1)</sup>
<b>Inrush current</b>	37 A

<sup>1)</sup> Type B

Light technical data

<b>Starting time</b>	1.5 s
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Dimensions & weight



<b>Length</b>	360.0 mm
<b>Width</b>	30.0 mm
<b>Height</b>	21.0 mm
<b>Mounting hole spacing, length</b>	350.0 mm
<b>Product weight</b>	243.70 g

Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+50 °C
<b>Permitted rel. humidity during operation</b>	5...85 % <sup>1)</sup>

<sup>1)</sup> Maximum 56 days/year at 85 %

Lifespan

<b>ECG lifetime</b>	100000 h <sup>1)</sup>
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<sup>1)</sup> At  $T_{case} = 65^{\circ}C$  at  $T_c$  point / 10% failure rate

Product name	Lamp group				
QTP-OPTIMAL 2X18...40	DULUX F 24 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	50	60	65
		Lifetime [h]	100000	100000	90000
	DULUX F 36 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	60	70
		Lifetime [h]	100000	100000	70000
	DULUX L 18 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	50	60	65
		Lifetime [h]	100000	100000	90000
	DULUX L 24 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	50	60	70
		Lifetime [h]	100000	100000	80000
	DULUX L 36 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	60	70
		Lifetime [h]	100000	100000	70000
	DULUX L 40 W	ECG ambient temperature [ta]	40	60	60
		Temperature at tc-point [°C]	60	65	75
		Lifetime [h]	100000	90000	50000
	HO 24 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	50	60	70
		Lifetime [h]	100000	100000	80000
	HO 39 W	ECG ambient temperature [ta]	40	60	60
		Temperature at tc-point [°C]	60	65	75
		Lifetime [h]	100000	90000	50000
	L 18 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	50	60	65
		Lifetime [h]	100000	100000	80000
	L 30 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	60	70
		Lifetime [h]	100000	100000	70000
L 36 W	ECG ambient temperature [ta]	40	50	60	
	Temperature at tc-point [°C]	55	65	70	
	Lifetime [h]	100000	100000	70000	

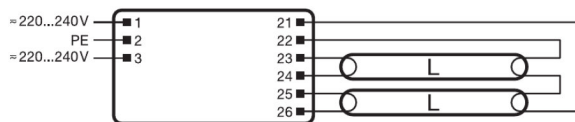
Capabilities

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

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/II
<b>Type of protection</b>	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_EMQ 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
4008321873774	Shipping carton box 20	385 mm x 160 mm x 100 mm	5045.00 g	6.16 dm <sup>3</sup>

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.

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

Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
QTP-OPTIMAL 2X18...40	DULUX F 18 W	0.16 A	33.00 W	1050 lm	2
	DULUX F 24 W	0.23 A	50.00 W	1650 lm	2
	DULUX F 36 W	0.30 A	67.00 W	2700 lm	2
	DULUX L 18 W	0.16 A	36.00 W	1150 lm	2
	DULUX L 18 W XT	0.16 A	36.00 W	1150 lm	2
	DULUX L 24 W	0.23 A	53.00 W	1750 lm	2
	DULUX L 24 W XT	0.23 A	53.00 W	1750 lm	2
	DULUX L 36 W	0.30 A	70.00 W	2800 lm	2
	DULUX L 36 W XT	0.30 A	70.00 W	2800 lm	2
	DULUX L 40 W	0.37 A	88.00 W	3500 lm	2
	DULUX L 40 W CONSTANT	0.37 A	88.00 W	3500 lm	2
	HO 24 W	0.24 A	52.00 W	1750 lm	2
	HO 24 W CONSTANT	0.24 A	52.00 W	1900 lm	2
	HO 39 W	0.24 A	88.00 W	3100 lm	2
	HO 39 W CONSTANT	0.24 A	88.00 W	3400 lm	2
	L 15 W	0.15 A	31.00 W	950 lm	2
	L 16 W ES	0.15 A	33.00 W	1100 lm	2
	L 18 W	0.17 A	39.00 W	1350 lm	2
	L 18 W U	0.17 A	39.00 W	1100 lm	2
	L 18 W XT	0.17 A	39.00 W	1350 lm	2
	L 18 W XXT	0.17 A	39.00 W	1350 lm	2
	L 30 W	0.28 A	63.00 W	2850 lm	2
	L 32 W ES	0.28 A	71.00 W	2500 lm	2

Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
	L 36 W -1	0.30 A	71.00 W	3100 lm	2
	L 36 W	0.30 A	71.00 W	3200 lm	2
	L 36 W XT	0.30 A	71.00 W	3200 lm	2
	L 36 W XXT	0.30 A	71.00 W	3200 lm	2