

## PRODUCT DATASHEET

### OT 40/220...240/24 DIM P

OPTOTRONIC | 24 V Constant voltage LED power supplies with 1...10 V



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#### AREAS OF APPLICATION

- Facades, public squares, cruise ships
- Signage
- Suitable for indoor and outdoor installations

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#### PRODUCT BENEFITS

- Large range of products from 20 W to 250 W
- Installation in very cold and hot environments
- Very stable output power
- High electrical reversible short-circuit, overload, overtemperature protection
- Smart Power Supply: boosting power to turn on cold LEDs
- Independent installation possible
- Dimming range: 1...100 %

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#### PRODUCT FEATURES

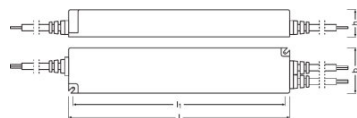
- DC mode functionality
- Type of protection: IP66 and IP67
- Surge protection: up to 4 kV (L-N) / 6 kV (L/N-PE)
- Wide operating temperature range: -30...+55 °C
- Lifetime: up to 50,000 h (temperature at max.  $t_c$ )
- Dimmable via fully isolated 1...10 V interface

**TECHNICAL DATA**

Electrical data

Nominal output power	40 W
Input voltage AC	198...264 V
Mains frequency	0...60 Hz
Nominal output voltage	24.2 V
Power loss in stand-by mode	<0.5 W
Nominal voltage	220...240 V
Device power loss	6.0 W
Power factor $\lambda$	0.95
ECG efficiency	85 %
Inrush current	20 A
Max. ECG no. on circuit breaker 10 A (B)	36
Max. ECG no. on circuit breaker 16 A (B)	57
Max. ECG no. on circuit breaker 25 A (B)	87
Galvanic isolation primary/secondary	3 kV
Surge capability (L-N)	4 kV

Dimensions & weight



Length	208.0 mm
Width	43.0 mm
Height	26.0 mm
Product weight	416.00 g
Mounting hole spacing, length	199.0 mm
Cable cross-section, input side	1.0 mm <sup>2</sup>
Cable cross-section, output side	1.0 mm <sup>2</sup>
Wire preparation length, input side	90 mm

Temperatures & operating conditions

<b>Ambient temperature range</b>	-30...+55 °C
<b>Permitted rel. humidity during operation</b>	5...85 %
<b>Maximum temperature at tc test point</b>	90 °C
<b>Max.housing temperature in case of fault</b>	110 °C

### Lifespan

<b>ECG lifetime</b>	50000 h
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### Capabilities

<b>Dimmable</b>	Yes
<b>Suitable for fixtures with prot. class</b>	II
<b>Overheating protection</b>	Yes
<b>Overload protection</b>	Yes
<b>Short-circuit protection</b>	Yes
<b>No-load proof</b>	Yes
<b>Dimming interface</b>	1...10 V




### Certificates & standards

<b>Type of protection</b>	IP66
<b>Standards</b>	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 61000-3-3/Acc. to EN 60598-1/Acc. to EN 62384
<b>Approval marks – approval</b>	ENEC / RCM / CCC / EAC

### Logistical data

<b>Temperature range at storage</b>	-40...85 °C
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## DOWNLOAD DATA

File	
	User instruction OPTOTRONIC LED Power Supply
	Addon Technical Information Dimming table for OT (EN)
	Product Datasheet Datasheet OT 40220-24024 DIM P
	Certificates CCC Certificate No. 2018011002043864
	Certificates CB Test Certificate No. SG PSB-LE-00930
	Certificates ENEC Certificate No. U6 18 01 84117 051
	Declarations of conformity EU Declaration of Conformity 3537796



Declarations of conformity  
 Attestation of Conformity No. N8A 18 01 84117 055



Declarations of conformity  
 Attestation of Conformity No. E8A 18 01 84117 050

**LOGISTICAL DATA**

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899545823	OT 40/220...240/24 DIM P	Shipping carton box 20	334 mm x 310 mm x 194 mm	20.09 dm <sup>3</sup>	9525.00 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.