

## OT 100/220...240/24 DIM P

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



### Areas of application

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

### 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 %

### 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

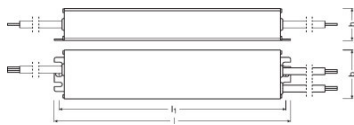
# Product datasheet

## Technical data

### Electrical data

Nominal output power	100 W
Mains frequency	0...60 Hz
Power loss in stand-by mode	<0.5 W
Nominal voltage	220...240 V
Galvanic isolation primary/secondary	3 kV
Nominal output voltage	24.2 V
Input voltage DC	176...276 V
Input voltage AC	198...264 V

### Dimensions & weight



Length	240.0 mm
Width	50.0 mm
Height	34.0 mm
Product weight	765.00 g
Mounting hole spacing, length	227.0 mm

### Temperatures & operating conditions

Permitted rel. humidity during operation	5...85 %
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### Capabilities

Suitable for fixtures with prot. class	I
Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes
No-load proof	Yes
Dimming interface	1...10 V











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<b>Dimmable</b>	Yes
<b>Number of channels</b>	1

### Certificates & standards

<b>Type of protection</b>	IP66/IP67
<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

### Download Data

File
 User instruction OPTOTRONIC LED Power Supply
 Addon Technical Information Dimming table for OT (EN)
 Product Datasheet Datasheet OT 100220-24024 DIM P
 Certificates CCC Certificate No. 2018011002043871
 Certificates CB Test Certificate No. SG PSB-LE-00906
 Certificates ENEC Certificate No. U6 18 01 84117 048
 Declarations of conformity EU Declaration of Conformity 3537796
 Declarations of conformity Attestation of Conformity No. N8A 18 01 84117 054
 Declarations of conformity Attestation of Conformity No. E8A 18 01 84117 049
 Declarations of conformity EU Declaration of Conformity OT 24V P_DIMP

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899545861	OT 100/220...240/24 DIM P	Shipping carton box 10	384 mm x 324 mm x 134 mm	16.67 dm <sup>3</sup>	8884.00 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.

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### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.