

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

CV Power supplies 24 V



### Areas of application

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

### Product family 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

### Product family 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.  $t_c$ )

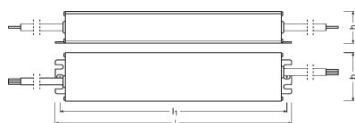
# Product datasheet

## Technical data

### Electrical data

Nominal output power	100 W
Mains frequency	0...60 Hz
Nominal voltage	220...240 V
Device power loss	11.8 W
Power factor $\lambda$	0.95
ECG efficiency	90 %
Inrush current	60 A
Galvanic isolation primary/secondary	3 kV
Nominal output voltage	24.2 V
Input voltage DC	176...250 V
Input voltage AC	198...264 V

### Dimensions & weight



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

### Temperatures & operating conditions

Ambient temperature range	-30...+55 °C
Permitted rel. humidity during operation	5...85 % <sup>1)</sup>

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

### Capabilities

Suitable for fixtures with prot. class	I
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Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes
No-load proof	Yes
Dimmable	No
Number of channels	1











### Certificates & standards

Type of protection	IP66/IP67
Standards	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
Approval marks – approval	ENEC / RCM / CCC / EAC

### Logistical data

Commodity code	850440829000
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### Download Data

File
 User instruction OPTOTRONIC LED Power Supply
 Product Datasheet Datasheet OT 100220-24024 P
 Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)
 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

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Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899545984	OT 100/220...240/24 P	Shipping carton box 10	384 mm x 324 mm x 134 mm	16.67 dm <sup>3</sup>	8704.00 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.