

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

CV Power supplies 24 V with 1...10 V



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)
- Dimmable via fully isolated 1...10 V interface

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
- Dimming range: 1...100 %

Areas of application

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

Product datasheet

Technical data

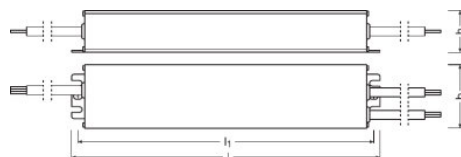
Electrical data

Nominal output power	100 W
Maximum output power	100 W ¹⁾
Mains frequency	0...60 Hz
Efficiency in full-load	90 % ²⁾
Galvanic isolation primary/secondary	3 kV
Nominal output voltage	24.2 V
Input voltage DC	176...276 V
Input voltage AC	198...264 V
Standby power	0.50 W ²⁾

¹⁾ at steady state

²⁾ at 230 V, 50 Hz

Dimensions & weight



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

Temperatures & operating conditions

Permitted rel. humidity during operation	5...85 % ¹⁾
--	------------------------

¹⁾ Maximum 56 days/year at 85 %

Capabilities

Suitable for fixtures with prot. class	I
Overheating protection	Yes

Product datasheet

Overload protection	Yes
Short-circuit protection	Yes
No-load proof	Yes
Intended for no-load operation	No
Dimming interface	1...10 V
Dimmable	Yes
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
----------------	--------------

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
 Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)
 Certificates Certificate of NSW27873-3 Mod OT 24V P G2 DIM
 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

Product datasheet



Declarations of conformity
EU Declaration of Conformity OT 24V P_DIMP

Ecodesign regulation information:

Intended for use with LED modules.

The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

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 ³	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.

Disclaimer

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