

## OT 75/220...240/24 E

CV Power supplies 24 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.  $t_c$ )

### 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

### Areas of application

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

# Product datasheet

## Technical data

### Electrical data

Nominal output power	75 W <sup>1)</sup>
Mains frequency	50...60 Hz
Nominal voltage	220...240 V
Nominal current	0.38 A
Device power loss	8.5 W <sup>2)</sup>
Power factor $\lambda$	0.95 <sup>3)</sup>
Inrush current	41 A <sup>4)</sup>
Galvanic isolation primary/secondary	3.75 kV <sup>5)</sup>
Nominal output voltage	24 V <sup>6)</sup>
Input voltage AC	198...264 V <sup>7)</sup>
Efficiency in full-load	89 % <sup>8)</sup>

<sup>1)</sup> Partial load 0...75 W

<sup>2)</sup> Maximum

<sup>3)</sup> Minimum

<sup>4)</sup>  $t_{width} = 200 \mu s$  (measured at 50 %  $I_{peak}$ )

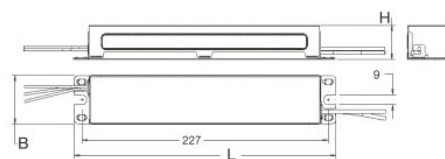
<sup>5)</sup> SELV

<sup>6)</sup> Electronically stabilized, line ripple maximum  $\pm 0.2 V$

<sup>7)</sup> Permitted voltage range

<sup>8)</sup> at 230 V, 50 Hz

### Dimensions & weight



Length	241.0 mm
Width	43.0 mm
Height	30.0 mm
Mounting hole spacing, length	227.0 mm
Product weight	560.00 g

## Product datasheet

### Temperatures & operating conditions

Ambient temperature range	-20...+60 °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	II
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Dimmable	No
Number of channels	1

### Certificates & standards

Type of protection	IP64
Standards	Acc. to IEC 61347/Acc. to IEC 60598/Acc. to IEC 62384/Acc. to EN 55015:2006 + A1:2007/Acc. to EN 61000-3-2/Acc. to EN 61547
Approval marks – approval	CE / VDE / VDE-EMC / CB / RCM / ENEC 10




### Logistical data

Commodity code	850440829000
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### Environmental information

<b>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)</b>	
Date of Declaration	14-04-2022
Primary Article Identifier	4008321362476
Declaration No. in SCIP database	In work

### Download Data

File	
	Addon Technical Information 328949_ATI OPTOTRONIC OT 75220-24024 E (GB)
	Addon Technical Information 328950_ATI OPTOTRONIC OT 75220-24024 E (D)
	Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)

## Product datasheet



Certificates  
OT ENEC 40038447 130722



Declarations of conformity  
334820\_Declaration of conformity OT 75220-24024 E

### 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
4008321362476	OT 75/220...240/24 E	Shipping carton box 10	278 mm x 126 mm x 268 mm	9.39 dm <sup>3</sup>	6146.00 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.