

OT 35/220...240/700 LTCS

CC Power supplies with LEDset



Areas of application

- Suitable for indoor SELV equivalent installations
- Suitable for use in luminaires with flexible current setting (DIP switch, LEDset)
- Installation and independent mounting via Cable Clamp Kit possible

Product benefits

- Versatile scope of application due to output power range of up to 45 W
- Very high efficiency and reliability

Technical data

Electrical data

Output power	35 W ¹⁾
Input voltage	195...264 V ²⁾
Mains frequency	50...60 Hz
Output voltage	24...87 V ³⁾
Output current	100...700 mA ⁴⁾
Power loss in stand-by mode	<1.5 W ⁵⁾
Nominal voltage	220...240 V
Nominal current	0.19 A ⁶⁾
Device power loss	5.0 W ⁷⁾
Power factor λ	0.95/0.85 ⁸⁾
ECG efficiency	88 % ⁹⁾
Inrush current	8 A ¹⁰⁾
Max. no. of ECGs on circuit breaker 10 A	52
Max. no. of ECGs on circuit breaker 16 A	84
Galvanic isolation primary/secondary	3.75 kV ¹¹⁾
Surge capability (L/N-Ground)	2 kV ¹²⁾
Surge capability (L-N)	1.6 kV

¹⁾ Partial load 9...35 W / Not dimmed

²⁾ Permitted voltage range

³⁾ Maximum 100 V

⁴⁾ $\pm 5\%$ (350-700 mA)

⁵⁾ LEDset turned off

⁶⁾ At 230 V

⁷⁾ Maximum

⁸⁾ Minimum/Full load at 230 V/Half load at 230 V

⁹⁾ At full load and 230 V

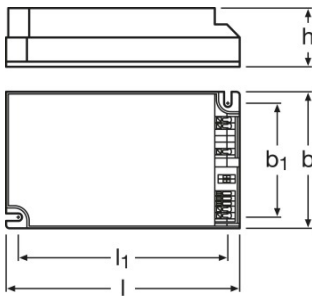
¹⁰⁾ $t_{\text{width}} = 55 \mu\text{s}$ (measured at 50 % I_{peak})

¹¹⁾ SELV-equivalent

¹²⁾ Functional Earth

Dimensions & weight

Product datasheet



Product line drawing

Length	123.0 mm
Width	79.0 mm
Mounting hole spacing, length	111.0 mm
Mounting hole spacing, width	67.0 mm
Height	33.0 mm
Product weight	220.00 g
Cable cross-section, input side	0.2...1.5 mm ^{2 1)}
Cable cross-section, output side	0.2...1.5 mm ^{2 2)}
Wire preparation length, input side	8.5...9.5 mm

¹⁾ Solid or flexible leads

²⁾ Solid or flexible leads / LEDset only 0.2...0.5 mm²

Colors & materials

Casing material	Plastic
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Temperatures

Ambient temperature range	-25...+50 °C
Temperature range at storage	-40...85 °C
Maximum temperature at tc test point	85 °C ¹⁾
Max.housing temperature in case of fault	100 °C

¹⁾ Maximum at the Tc-point

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At tcase = 75°C at tc point / 10 % failure rate

Capabilities

Product datasheet

Dimmable	Yes ¹⁾
Suitable for fixtures with prot. class	I / II
NTC input	No
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Maximum wiring length ECG/lamp	2.0 m

¹⁾ LEDset

Certificates & standards

Type of protection	IP20
Standards	acc. to IEC 61347-1/acc. to IEC 61347-2-13/acc. to IEC 62384/acc. to IEC 61000-3-2/acc. to EN 55015:2006 + A1:2007 + A2:2009/acc. to IEC 61547:1995 + A1:2000/acc. to DIN 57710
Approval marks – approval	CE / ENEC 10 / VDE

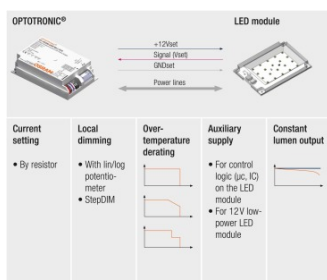






Figure 1: LEDset application features

Others graphics

Download Data

File	
	Product Datasheet OPTOTRONIC OT 35220-240700 LTCS
	Brochures Technical Application Guide LEDset Gen2 (GB)
	Certificates CB test certificate OT 35200-240700 LTCS OT 45200-240700 LTCS
	Certificates OT VDE ENEC marks approval (G)

Product datasheet



Declarations of conformity

Declaration of conformity OT 35200-240700 LTCS OT 45200-240700 LTCS



Installation guide

OPTOTRONIC LEDset Application Guide

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Volume	Gross weight
4008321664419	OT 35/220...240/700 LTCS	Shipping carton box 20	257 mm x 78 mm x 428 mm	8.58 dm ³	4660.00 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.