

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)

Product benefits

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

Product family datasheet

Technical data

Electrical data

Product description	Output power	Input voltage	Mains frequency	Output voltage
OT 35/220...240/700 LTCS	35 W ¹⁾	195...264 V ²⁾	50...60 Hz	24...87 V ³⁾
OT 45/220...240/700 LTCS	45 W ⁹⁾	195...264 V ²⁾	50...60 Hz	38...120 V ¹⁰⁾

Product description	Output current	Power loss in stand-by mode	ECG efficiency	Nominal voltage
OT 35/220...240/700 LTCS	100...700 mA ⁴⁾	<1.5 W ⁵⁾	88 % ⁶⁾	220...240 V
OT 45/220...240/700 LTCS	100...700 mA ⁴⁾	<1.5 W ⁵⁾	89 % ⁶⁾	220...240 V

Product description	Nominal current	Device power loss
OT 35/220...240/700 LTCS	0.19 A ⁷⁾	5.0 W ⁸⁾
OT 45/220...240/700 LTCS	0.23 A ⁷⁾	6.0 W ⁸⁾

¹⁾ Partial load 9...35 W

²⁾ Permitted voltage range

³⁾ Maximum 100 V

⁴⁾ ±5% (350-700 mA)

⁵⁾ LEDset turned off

⁶⁾ At full load and 230 V

⁷⁾ At 230 V

⁸⁾ Maximum

⁹⁾ Partial load 13...45 W

¹⁰⁾ Maximum 120 V

Dimensions & weight

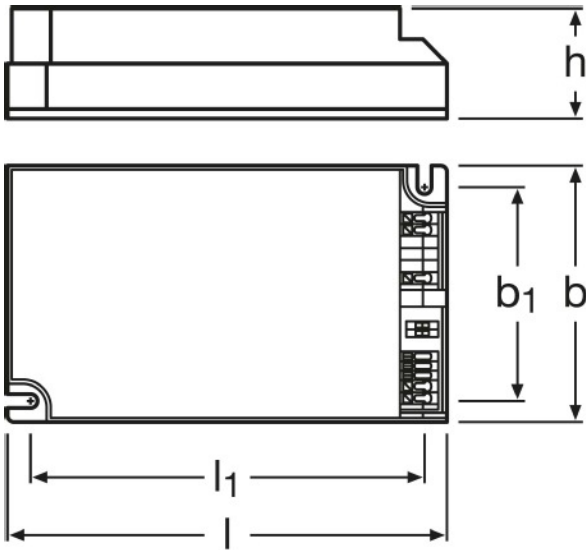
Product description	Length	Width	Height	Product weight
OT 35/220...240/700 LTCS	123.0 mm	79.0 mm	33.0 mm	220.00 g
OT 45/220...240/700 LTCS	123.0 mm	79.0 mm	33.0 mm	240.00 g

Product description	Cable cross-section, input side	Cable cross-section, output side	Wire preparation length, input side
OT 35/220...240/700 LTCS	0.2...1.5 mm ² ¹⁾	0.2...1.5 mm ² ¹⁾	8.5...9.5 mm
OT 45/220...240/700 LTCS	0.2...1.5 mm ² ¹⁾	0.2...1.5 mm ² ¹⁾	8.5...9.5 mm

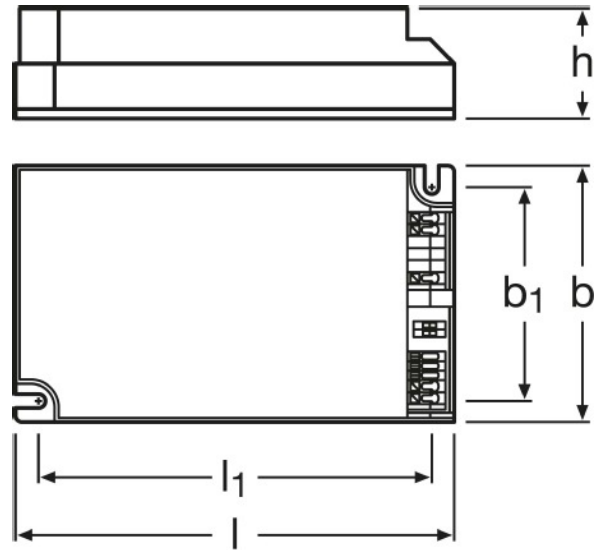
¹⁾ Solid or flexible leads

Produkt Strichzeichnungen (vermasst)

Product family datasheet



Product line drawing
OT 35/220...240/700 LTCS



Product line drawing
OT 45/220...240/700 LTCS

Colors & materials

Product description	Casing material
OT 35/220...240/700 LTCS	Plastic
OT 45/220...240/700 LTCS	Plastic

Temperatures

Product description	Ambient temperature range	Maximum temperature at tc test point	Max.housing temperature in case of fault
OT 35/220...240/700 LTCS	-25...+50 °C	85 °C ¹⁾	100 °C
OT 45/220...240/700 LTCS	-25...+50 °C	90 °C ¹⁾	110 °C

¹⁾ Maximum at the Tc-point

Lifespan

Product description	ECG lifetime
OT 35/220...240/700 LTCS	50000 h ¹⁾
OT 45/220...240/700 LTCS	50000 h ²⁾

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

Product family datasheet

²⁾ At tcase = 80°C at tc point / 10 % failure rate

Capabilities

Product description	Dimmable	Suitable for fixtures with prot. class	NTC input	Overheating protection
OT 35/220...240/700 LTCS	Yes ¹⁾	I / II	No	Automatic reversible
OT 45/220...240/700 LTCS	Yes ¹⁾	I / II	No	Automatic reversible

Product description	Overload protection	Short-circuit protection	No-load proof	Maximum wiring length ECG/lamp
OT 35/220...240/700 LTCS	Automatic reversible	Automatic reversible	Yes	2.0 m
OT 45/220...240/700 LTCS	Automatic reversible	Automatic reversible	Yes	2.0 m

¹⁾ LEDset

Certificates & standards

Product description	Type of protection	Standards	Approval marks – approval
OT 35/220...240/700 LTCS	IP20	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	CE / ENEC 10 / VDE
OT 45/220...240/700 LTCS	IP20	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	CE / ENEC 10 / VDE

Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support







Sales and Technical Support www.osram.com

Country specific information

Product family datasheet

Product description	Product code	METEL-Code	SEG number	STK number	UK Org
OT 35/220-240/700 LTCS	4008321664419	-	7980595	4030167	-
OT 45/220-240/700 LTCS	4008321664433	-	7980596	4030169	-

Download Data

File
 Product Datasheet OPTOTRONIC OT 35220-240700 LTCS
 Certificates CB test certificate OT 35200-240700 LTCS OT 45200-240700 LTCS
 Certificates OT VDE ENEC marks approval (G)
 Declarations of conformity Declaration of conformity OT 35200-240700 LTCS OT 45200-240700 LTCS
 Installation guide OPTOTRONIC LEDset Application Guide
 Product Datasheet OPTOTRONIC OT 45220-240700 LTCS

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
4008321664433	OT 45/220...240/700 LTCS	Shipping carton box 20	255 mm x 82 mm x 418 mm	8.74 dm ³	5038.90 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.