

OPTOTRONIC FIT D LT2 L

Linear / Area Constant Current – Non dimmable



Areas of application

- Linear lighting for office, education, industry, storage areas and retail
- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J
- Suitable for installation in emergency lighting systems according to EN 60598-2-22
- Suitable for luminaires of protection class I

Product family benefits

- Flexible current setting (LEDset2)
- Lifetime: up to 100,000 h (temperature at $T_c = 65\text{ °C}$, max. 10 % failure rate)
- High quality of light thanks to low output ripple current
- Very high efficiency
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection

Product family features

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile scope of application due to output power range of up to 120 W
- Supply voltage: 220...240 V
- Available with output current range: up to 750 mA
- Non-isolated drivers



Product family datasheet

Technical data

Electrical data

Product description	Efficiency in full-load	Maximum output power
OT FIT 25/220...240/300 D LT2 L	89 % ¹⁾	25 W
OT FIT 35/220...240/350 D LT2 L	92 % ¹⁾	35 W
OT FIT 75/220...240/550 D LT2 L	93 % ¹⁾	75 W
OT FIT 120/220...240/750 D LT2 L	92 % ¹⁾	120 W

¹⁾ at 230 V, 50 Hz

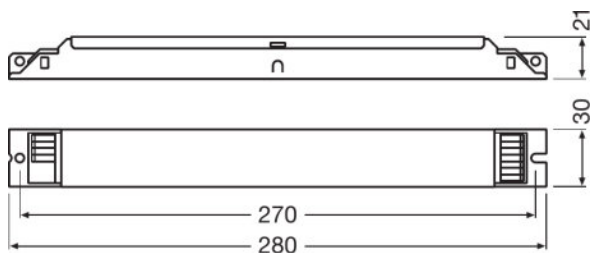
Dimensions & weight

Product description	Mounting hole spacing, length	Product weight	Cable cross-section, input side	Cable cross-section, output side	Wire preparation length, input side
OT FIT 25/220...240/300 D LT2 L	270.0 mm	153.00 g	0.5...1.5 mm ²	0.5...1.5 mm ²	8.5...9.5 mm
OT FIT 35/220...240/350 D LT2 L	270.0 mm	185.00 g	0.5...1.5 mm ²	0.5...1.5 mm ²	8.5...9.5 mm
OT FIT 75/220...240/550 D LT2 L	270.0 mm	203.00 g	0.5...1.5 mm ²	0.5...1.5 mm ²	8.5...9.5 mm
OT FIT 120/220...240/750 D LT2 L	350.0 mm	290.00 g	0.5...1.5 mm ²	0.5...1.5 mm ²	8.5...9.5 mm

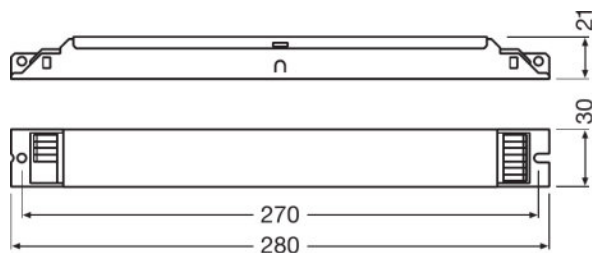
Product description	Wire preparation length, output side	Length	Width	Height
OT FIT 25/220...240/300 D LT2 L	8.5...9.5 mm	280.0 mm	30.0 mm	21.0 mm
OT FIT 35/220...240/350 D LT2 L	8.5...9.5 mm	280.0 mm	30.0 mm	21.0 mm
OT FIT 75/220...240/550 D LT2 L	8.5...9.5 mm	280.0 mm	30.0 mm	21.0 mm
OT FIT 120/220...240/750 D LT2 L	8.5...9.5 mm	360.0 mm	30.0 mm	21.0 mm

Product family datasheet

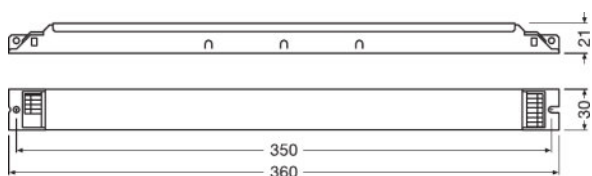
Product line drawing



OT FIT 25/220...240/300 D LT2 L, OT FIT 35/220...240/350 D LT2 L



OT FIT 75/220...240/550 D LT2 L



OT FIT 120/220...240/750 D LT2 L

Product family datasheet

Colors & materials

Product description	Casing material
OT FIT 25/220...240/300 D LT2 L	Metal
OT FIT 35/220...240/350 D LT2 L	Metal
OT FIT 75/220...240/550 D LT2 L	Metal
OT FIT 120/220...240/750 D LT2 L	Metal

Temperatures & operating conditions

Product description	Ambient temperature range	Maximum temperature at tc test point	Max.housing temperature in case of fault	Temperature range at storage
OT FIT 25/220...240/300 D LT2 L	-25...+60 °C	75 °C	110 °C	-40...+85 °C
OT FIT 35/220...240/350 D LT2 L	-25...+60 °C	75 °C	110 °C	-25...85 °C
OT FIT 75/220...240/550 D LT2 L	-25...+60 °C	75 °C	110 °C	-25...85 °C
OT FIT 120/220...240/750 D LT2 L	-25...+60 °C	75 °C	110 °C	-40...+85 °C

Product description	Permitted rel. humidity during operation
OT FIT 25/220...240/300 D LT2 L	5...85 % ¹⁾
OT FIT 35/220...240/350 D LT2 L	5...85 % ¹⁾
OT FIT 75/220...240/550 D LT2 L	5...85 % ¹⁾
OT FIT 120/220...240/750 D LT2 L	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

Product description	ECG lifetime
OT FIT 25/220...240/300 D LT2 L	50000 / 100000 h ¹⁾
OT FIT 35/220...240/350 D LT2 L	50000 / 100000 h ¹⁾
OT FIT 75/220...240/550 D LT2 L	50000 / 100000 h ¹⁾
OT FIT 120/220...240/750 D LT2 L	50000 / 100000 h ¹⁾

¹⁾ At maximum $T_c = 75^\circ\text{C}$ / 10% failure rate / At $T_c = 65^\circ\text{C}$ / 10% failure rate

Capabilities

Product description	Intended for no-load operation
OT FIT 25/220...240/300 D LT2 L	No
OT FIT 35/220...240/350 D LT2 L	No
OT FIT 75/220...240/550 D LT2 L	No
OT FIT 120/220...240/750 D LT2 L	No

Product family datasheet

Programming

Product description	Programming device
OT FIT 25/220...240/300 D LT2 L	LEDset
OT FIT 35/220...240/350 D LT2 L	LEDset
OT FIT 75/220...240/550 D LT2 L	LEDset
OT FIT 120/220...240/750 D LT2 L	LEDset

Certificates & standards

Product description	Approval marks – approval	Standards	Protection class	Type of protection
OT FIT 25/220...240/300 D LT2 L	CE / EL / VDE-ENEC / VDE-EMC / EAC / CCC	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 62384/Acc. to EN 61000-3-2/Acc. to EN 61000-3-3/Acc. to EN 61547	I	IP20
OT FIT 35/220...240/350 D LT2 L	CE / EL / VDE-ENEC / VDE-EMC / EAC / CCC / BIS / RCM	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 62384/Acc. to EN 62386	I	IP20
OT FIT 75/220...240/550 D LT2 L	CE / EL / VDE-ENEC / VDE-EMC / EAC / CCC / BIS / RCM	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 62384/Acc. to EN 62386	I	IP20
OT FIT 120/220...240/750 D LT2 L	CE / EL / VDE-ENEC / VDE-EMC / EAC / CCC / BIS / RCM	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 62384/Acc. to EN 61000-3-2/Acc. to EN 61000-3-3/Acc. to EN 61547	I	IP20

Logistical data

Product description	Commodity code
OT FIT 25/220...240/300 D LT2 L	850440829000
OT FIT 35/220...240/350 D LT2 L	850440829000
OT FIT 75/220...240/550 D LT2 L	850440829000
OT FIT 120/220...240/750 D LT2 L	850440829000

Product family datasheet

















Application advice

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










Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

	File
	User instruction OPTOTRONIC LED Power Supply
	Certificates OT ENEC 40038085 130720
	Certificates CCC Certificate 2018171002002243
	Declarations of conformity OT FIT D LT2 L UK DoC 4288054 170221
	Declarations of conformity OT FIT D LT2 L CE 3461268 030921
	Declarations of conformity EATON(CEAG) Conformity declaration AM10893_OT_FIT_25_220-240_300_D_LT2_L
	Declarations of conformity INOTEC Conformity declaration AM10893_OT_FIT_25_220-240_300_D_LT2_L
	CAD data OT FIT D LT2 L IGS 150120
	CAD data OT FIT D LT2 L STEP 150120
	CAD Data 2-dim OT FIT D LT2 L CAD2PDF 150120
	CAD data 3-dim OT FIT D LT2 L CAD3PDF 150120
	User instruction OPTOTRONIC LED Power Supply
	Certificates INOTEC Certificate OT FIT 35350 D LT2 L
	Certificates INOTEC Certificate OT FIT 35350 D LT2 L appendix
	CAD data CAD data IGS OT FIT 35,75D LT2 L G2
	CAD data CAD data STEP OT FIT 35,75D LT2 L G2

Product family datasheet

	CAD data PDF CAD data PDF OT FIT 35,75D LT2 L G2
	User instruction OPTOTRONIC LED Power Supply
	Certificates INOTEC Certificate OT FIT 120750 D LT2 L
	Certificates INOTEC Certificate OT FIT 120750 D LT2 L appendix
	Certificates OTI DALI OT FIT D LT2 L CB DE1 58970 040320
	CAD data OT FIT 120 D LT2 L IGS 270220
	CAD data OT FIT 120 D LT2 L STEP 270220
	CAD Data 2-dim OT FIT 120 D LT2 L CAD2PDF 270220
	CAD data 3-dim OT FIT 120 D LT2 L CAD3PDF 270220

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
4052899990289	OT FIT 25/220...240/300 D LT2 L	Shipping carton box 20	305 mm x 161 mm x 104 mm	5.11 dm ³	3237.00 g
4052899478411	OT FIT 35/220...240/350 D LT2 L	Shipping carton box 20	305 mm x 161 mm x 104 mm	5.11 dm ³	3877.00 g
4052899478435	OT FIT 75/220...240/550 D LT2 L	Shipping carton box 20	305 mm x 161 mm x 104 mm	5.11 dm ³	4237.00 g
4052899497900	OT FIT 120/220...240/750 D LT2 L	Shipping carton box 20	385 mm x 160 mm x 100 mm	6.16 dm ³	5971.00 g

Product family datasheet

Logistical Data

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.