

OPTOTRONIC FIT D 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

- Small housing design
- Fixed current
- 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
- 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 50 W
- Supply voltage: 220...240 V
- Available with output current range: up to 350 mA
- Non-isolated drivers



Product family datasheet

Technical data

Electrical data

Product description	Efficiency in full-load	Maximum output power
OT FIT 30/220...240/125 D L	90 % ¹⁾	27 W
OT FIT 45/220...240/200 D L	90 % ¹⁾	43.2 W
OT FIT 50/220...240/250 D L	90 % ¹⁾	54 W
OT FIT 50/220...240/300 D L	90 % ¹⁾	52.5 W
OT FIT 50/220...240/350 D L	90 % ¹⁾	52.5 W

¹⁾ at 230 V, 50 Hz

Dimensions & weight

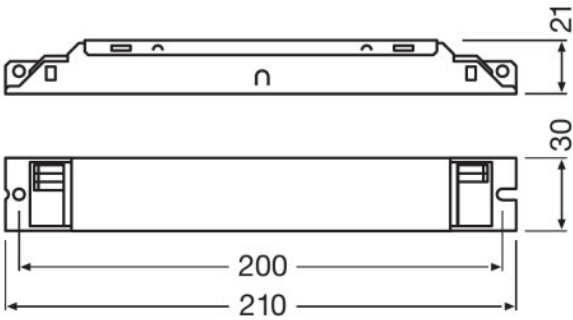
Product description	Mounting hole spacing, length	Product weight	Cable cross-section, input side	Cable cross-section, output side	Wire preparation length, input side
OT FIT 30/220...240/125 D L	200.0 mm	125.00 g	0.5...1.5 mm ² ¹⁾	0.5...1.5 mm ² ¹⁾	8.5...9.5 mm
OT FIT 45/220...240/200 D L	210.0 mm	125.00 g	0.5...1.5 mm ²	0.5...1.5 mm ²	8.5...9.5 mm
OT FIT 50/220...240/250 D L	200.0 mm	125.00 g	0.5...1.5 mm ² ¹⁾	0.5...1.5 mm ² ¹⁾	8.5...9.5 mm
OT FIT 50/220...240/300 D L	200.0 mm	125.00 g	0.5...1.5 mm ²	0.5...1.5 mm ²	8.5...9.5 mm
OT FIT 50/220...240/350 D L	200.0 mm	125.00 g	0.5...1.5 mm ² ¹⁾	0.5...1.5 mm ² ¹⁾	8.5...9.5 mm

Product description	Wire preparation length, output side	Width	Height	Length	Mounting hole spacing, width
OT FIT 30/220...240/125 D L	8.5...9.5 mm	30.0 mm	21.0 mm	210.0 mm	
OT FIT 45/220...240/200 D L	8.5...9.5 mm	30.0 mm	21.0 mm	210.0 mm	-
OT FIT 50/220...240/250 D L	8.5...9.5 mm	30.0 mm	21.0 mm	210.0 mm	
OT FIT 50/220...240/300 D L	8.5...9.5 mm	30.0 mm	21.0 mm	210.0 mm	
OT FIT 50/220...240/350 D L	8.5...9.5 mm	30.0 mm	21.0 mm	210.0 mm	

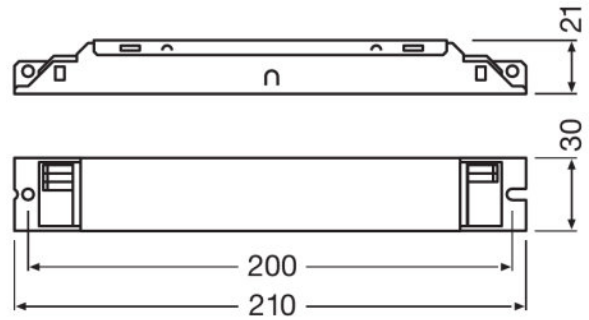
¹⁾ Solid or flexible leads

Product family datasheet

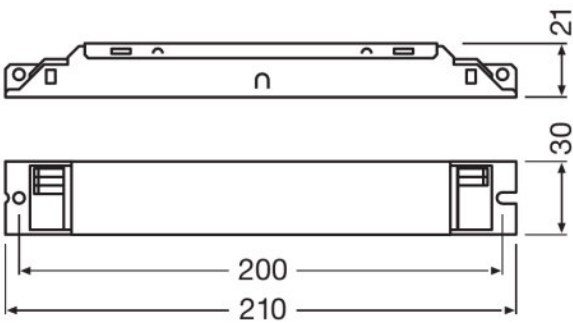
Product line drawing



OT FIT 30/220...240/125 D L



OT FIT 45/220...240/200 D L, OT FIT 50/220...240/300 D L, OT FIT 50/220...240/350 D L



OT FIT 50/220...240/250 D L

Product family datasheet

Colors & materials

Product description	Casing material
OT FIT 30/220...240/125 D L	Metal
OT FIT 45/220...240/200 D L	Metal
OT FIT 50/220...240/250 D L	Metal
OT FIT 50/220...240/300 D L	Metal
OT FIT 50/220...240/350 D 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 30/220...240/125 D L	-15...+50 °C	75 °C ¹⁾	110 °C	-25...85 °C
OT FIT 45/220...240/200 D L	-15...+50 °C	75 °C	110 °C	-40...+85 °C
OT FIT 50/220...240/250 D L	-15...+50 °C	75 °C ¹⁾	110 °C	-25...85 °C
OT FIT 50/220...240/300 D L	-15...+50 °C	75 °C	110 °C	-25...85 °C
OT FIT 50/220...240/350 D L	-15...+50 °C	75 °C ¹⁾	110 °C	-25...85 °C

Product description	Permitted rel. humidity during operation
OT FIT 30/220...240/125 D L	5...85 % ²⁾
OT FIT 45/220...240/200 D L	5...85 % ²⁾
OT FIT 50/220...240/250 D L	5...85 % ²⁾
OT FIT 50/220...240/300 D L	5...85 % ²⁾
OT FIT 50/220...240/350 D L	5...85 % ²⁾

¹⁾ Maximum at the T_c-point

²⁾ Maximum 56 days/year at 85 %

Lifespan

Product description	ECG lifetime
OT FIT 30/220...240/125 D L	50000 / 100000 h ¹⁾
OT FIT 45/220...240/200 D L	50000 / 100000 h ¹⁾
OT FIT 50/220...240/250 D L	50000 / 100000 h ¹⁾
OT FIT 50/220...240/300 D L	50000 / 100000 h ¹⁾
OT FIT 50/220...240/350 D L	50000 / 100000 h ¹⁾

¹⁾ At maximum T_c = 75°C / 10% failure rate / At T_c = 65°C / 10% failure rate

Product family datasheet

Capabilities

Product description	Intended for no-load operation
OT FIT 30/220...240/125 D L	No
OT FIT 45/220...240/200 D L	No
OT FIT 50/220...240/250 D L	No
OT FIT 50/220...240/300 D L	No
OT FIT 50/220...240/350 D L	No

Certificates & standards

Product description	Approval marks – approval	Standards	Protection class	Type of protection
OT FIT 30/220...240/125 D 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 45/220...240/200 D L	CE / EL / VDE-ENEC / VDE-EMC / EAC / CCC	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61000-2-2/Acc. to EN 62384	I	IP20
OT FIT 50/220...240/250 D 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 50/220...240/300 D 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 50/220...240/350 D L	CE	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

Product family datasheet

Logistical data

Product description	Commodity code
OT FIT 30/220...240/125 D L	850440829000
OT FIT 45/220...240/200 D L	850440829000
OT FIT 50/220...240/250 D L	850440829000
OT FIT 50/220...240/300 D L	850440829000
OT FIT 50/220...240/350 D L	850440829000












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
 Certificates INOTEC Certificate OT FIT 30125 D L
 Certificates INOTEC Certificate OT FIT 30125 D L appendix
 Certificates OT ENEC 40038085 130720
 Certificates CCC certificate China Origin
 Certificates 544466_CD Test Certificate
 Certificates CCC Certificate 2017171002001468
 Declarations of conformity OT FIT D L CE 4292770 020921
 Declarations of conformity OT FIT D L UK DoC 4289774 020321
 CAD data OT FIT D L IGS 261119
 CAD data OT FIT D L STEP 261119
 CAD Data 2-dim OT FIT D L CAD2PDF 261119

Product family datasheet

	CAD data 3-dim OT FIT D L CAD3PDF 261119
	User instruction OPTOTRONIC LED Power Supply
	Declarations of conformity EATON(CEAG) Conformity declaration AM18523 OT FIT 45 220 240 200 D L
	Declarations of conformity INOTEC Conformity declaration AM18523_OT_FIT_45_220-240_200_D_L
	Brochures Poster OPTOTRONIC LED drivers (EN)
	Certificates INOTEC Certificate OT FIT 50250 D L
	Certificates INOTEC Certificate OT FIT 50250 D L appendix
	Certificates INOTEC Certificate OT FIT 50350 D L
	Certificates INOTEC Certificate OT FIT 50350 D L appendix

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
4052899222557	OT FIT 30/220...240/125 D L	Shipping carton box 20	234 mm x 161 mm x 101 mm	3.81 dm ³	2665.00 g
4052899590946	OT FIT 45/220...240/200 D L	Shipping carton box 20	234 mm x 161 mm x 101 mm	3.81 dm ³	2665.00 g
4052899222571	OT FIT 50/220...240/250 D L	Shipping carton box 20	234 mm x 161 mm x 101 mm	3.81 dm ³	2665.00 g
4052899469884	OT FIT 50/220...240/300 D L	Shipping carton box 20	234 mm x 161 mm x 101 mm	3.81 dm ³	2665.00 g

Product family datasheet

Logistical Data

4052899222595	OT FIT 50/220...240/350 D L	Shipping carton box 20	234 mm x 161 mm x 101 mm	3.81 dm ³	2665.00 g
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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.