

OPTOTRONIC FIT CS G3

Constant Current Compact – Non dimmable



Areas of application

- Suitable for downlights, spotlights and LED panels
- Suitable for luminaires of protection classes I and II

Product family benefits

- Higher quality of light thanks to low output ripple current
- High flexibility due to four different output currents
- Small housing for flexible luminaire designs
- High efficiency

Product family features

- Lifetime: up to 50,000 h (temperature at max. t_c)
- Cable clamp kit for independent mounting



Product family datasheet

Technical data

Electrical data

Product description	Efficiency in full-load	Maximum output power
OT FIT 20/220...240/500 CS	88 % ¹⁾	21 W
OT FIT 30/200...240/700 CS	89 % ¹⁾	29.4 W
OT FIT 40/200...240/1A0 CS	90 % ¹⁾	44.1 W

¹⁾ at 230 V, 50 Hz

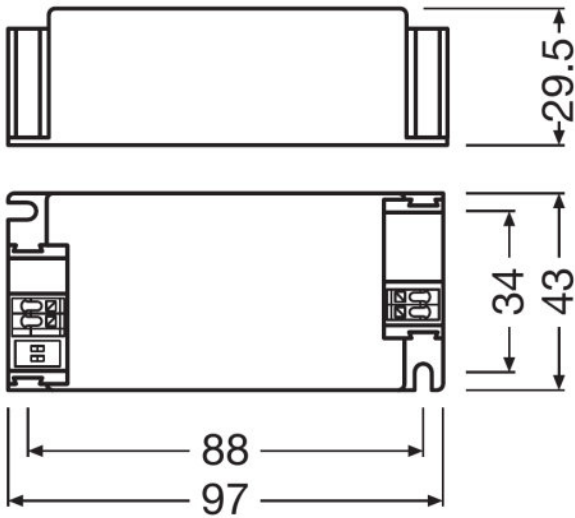
Dimensions & weight

Product description	Mounting hole spacing, length	Mounting hole spacing, width	Product weight	Cable cross-section, input side	Cable cross-section, output side
OT FIT 20/220...240/500 CS	88.0 mm	34.0 mm	85.00 g	0.5...1.5 mm ²	0.5...1.5 mm ²
OT FIT 30/200...240/700 CS	88.0 mm	34.0 mm	90.00 g	0.5...1.5 mm ²	0.5...1.5 mm ²
OT FIT 40/200...240/1A0 CS	88.0 mm	34.0 mm	110.00 g	0.5...1.5 mm ²	0.5...1.5 mm ²

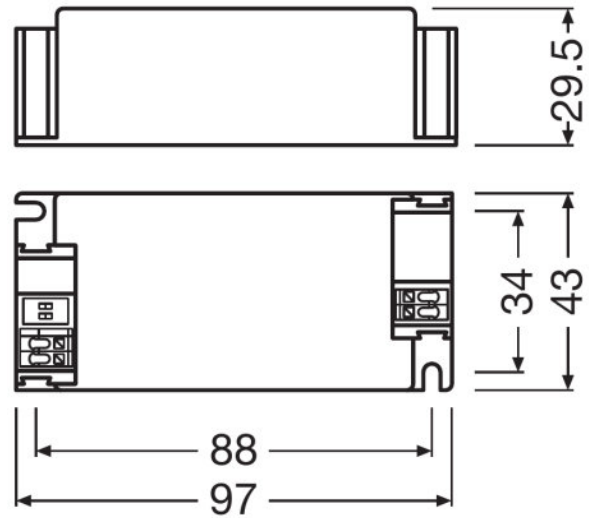
Product description	Wire preparation length, input side	Wire preparation length, output side	Height	Length	Width
OT FIT 20/220...240/500 CS	7...8 mm	7...8 mm	29.5 mm	97.0 mm	43.0 mm
OT FIT 30/200...240/700 CS	7...8 mm	7...8 mm	29.5 mm	97.0 mm	43.0 mm
OT FIT 40/200...240/1A0 CS	7...8 mm	7...8 mm	29.5 mm	97.0 mm	43.0 mm

Product family datasheet

Product line drawing



OT FIT 20/220...240/500 CS



OT FIT 30/200...240/700 CS, OT FIT 40/200...240/1A0 CS

Colors & materials

Product description	Casing material
OT FIT 20/220...240/500 CS	Plastic
OT FIT 30/200...240/700 CS	Plastic
OT FIT 40/200...240/1A0 CS	Plastic

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 20/220...240/500 CS	-20...+50 °C	75 °C	110 °C	-20...80 °C
OT FIT 30/200...240/700 CS	-20...+50 °C	80 °C	110 °C	-20...80 °C
OT FIT 40/200...240/1A0 CS	-20...+50 °C	80 °C	110 °C	-20...80 °C

Product description	Permitted rel. humidity during operation
OT FIT 20/220...240/500 CS	5...85 % ¹⁾
OT FIT 30/200...240/700 CS	5...85 % ¹⁾
OT FIT 40/200...240/1A0 CS	5...85 % ¹⁾

¹⁾ Non-condensing

Product family datasheet

Lifespan

Product description	ECG lifetime
OT FIT 20/220...240/500 CS	50000 h ¹⁾
OT FIT 30/200...240/700 CS	50000 h ²⁾
OT FIT 40/200...240/1A0 CS	50000 h ²⁾

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

²⁾ At maximum T_c = 80°C / 10% failure rate

Capabilities

Product description	Intended for no-load operation
OT FIT 20/220...240/500 CS	No
OT FIT 30/200...240/700 CS	No
OT FIT 40/200...240/1A0 CS	No

Programming

Product description	Programming device
OT FIT 20/220...240/500 CS	DIPswitch
OT FIT 30/200...240/700 CS	DIPswitch
OT FIT 40/200...240/1A0 CS	DIPswitch

Certificates & standards

Product description	Approval marks – approval	Standards	Type of protection
OT FIT 20/220...240/500 CS	CCC / CE / RCM / ENEC 05	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547	IP20
OT FIT 30/200...240/700 CS	CCC / CE / RCM / ENEC 05	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547	IP20
OT FIT 40/200...240/1A0 CS	CCC / CE / RCM / ENEC 05	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547	IP20

Product family datasheet

Logistical data

Product description	Commodity code
OT FIT 20/220...240/500 CS	850440829000
OT FIT 30/200...240/700 CS	850440829000
OT FIT 40/200...240/1A0 CS	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
 User instruction OPTOTRONIC LED Power Supply
 Certificates OT FIT CS ENEC 35 112395 180121
 Declarations of conformity OT FIT CS UK DoC 4290089 180221
 Declarations of conformity OT FIT CS CE 3667905 190821
 CAD data OT FIT 20 30 CS IGS 151020
 CAD data OT FIT 20 30 CS STEP 151020
 CAD data 3-dim OT FIT 20 30 CS CAD3PDF 151020
 CAD data OT FIT 40 CS IGS 151020
 CAD data OT FIT 40 CS STEP 151020
 CAD data 3-dim OT FIT 40 CS CAD3PDF 151020

Product family datasheet

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
4052899617315	OT FIT 20/220...240/500 CS	Shipping carton box 20	228 mm x 208 mm x 78 mm	3.70 dm ³	1903.00 g
4052899617322	OT FIT 30/200...240/700 CS	Shipping carton box 20	228 mm x 208 mm x 78 mm	3.70 dm ³	1906.00 g
4052899617339	OT FIT 40/200...240/1A0 CS	Shipping carton box 20	228 mm x 208 mm x 78 mm	3.70 dm ³	2403.00 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.

Accessories Optional

Product description	Accessory name	Accessory code
OT FIT 20/220...240/500 CS	OT CABLE CLAMP D-STYLE	▶ 4052899077904
OT FIT 30/200...240/700 CS	OT CABLE CLAMP D-STYLE	▶ 4052899077904
OT FIT 40/200...240/1A0 CS	OT CABLE CLAMP D-STYLE	▶ 4052899077904

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.