

OT FIT 30/220-240/700 CS (PHASE OUT)

OPTOTRONIC FIT CS G3 | Compact constant current LED driver – Non dimmable



Product family features

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

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

Areas of application

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

Technical data

Electrical data

Nominal input voltage	220...240 V
Nominal output current	500 mA / 600 mA / 650 mA / 700 mA
Nominal output power	11.5...29.4 W
Nominal output voltage	23...42 V
Maximum output power	29.4 W
Mains frequency	50/60 Hz
Input voltage AC	198...264 V ¹⁾
Default output current	700 mA
Device power loss	3.6 W ²⁾
Efficiency in full-load	89 % ³⁾
Galvanic isolation primary/secondary	SELV
Inrush current	≤ 5 A ⁴⁾
Max. ECG no. on circuit breaker 10 A (B)	27
Max. ECG no. on circuit breaker 16 A (B)	44
Max. ECG no. on circuit breaker 25 A (B)	68
Output current tolerance	±7.5 %
Output PSTLM	≤1
Output ripple current (100 Hz)	< 5 % ⁵⁾
Output SVM	≤0.4
Power factor λ	0.98 ⁶⁾
Protective conductor current	<0.7 mA
Surge capability (L-N)	1 kV
Surge capability (L/N-Ground)	2 kV
Total harmonic distortion	< 10 % ⁷⁾
U-OUT (working voltage)	60 V
Current set	DipSwitch

1) Permitted voltage range

2) At 230 V, Input power 33 W max.

3) at 230 V, 50 Hz

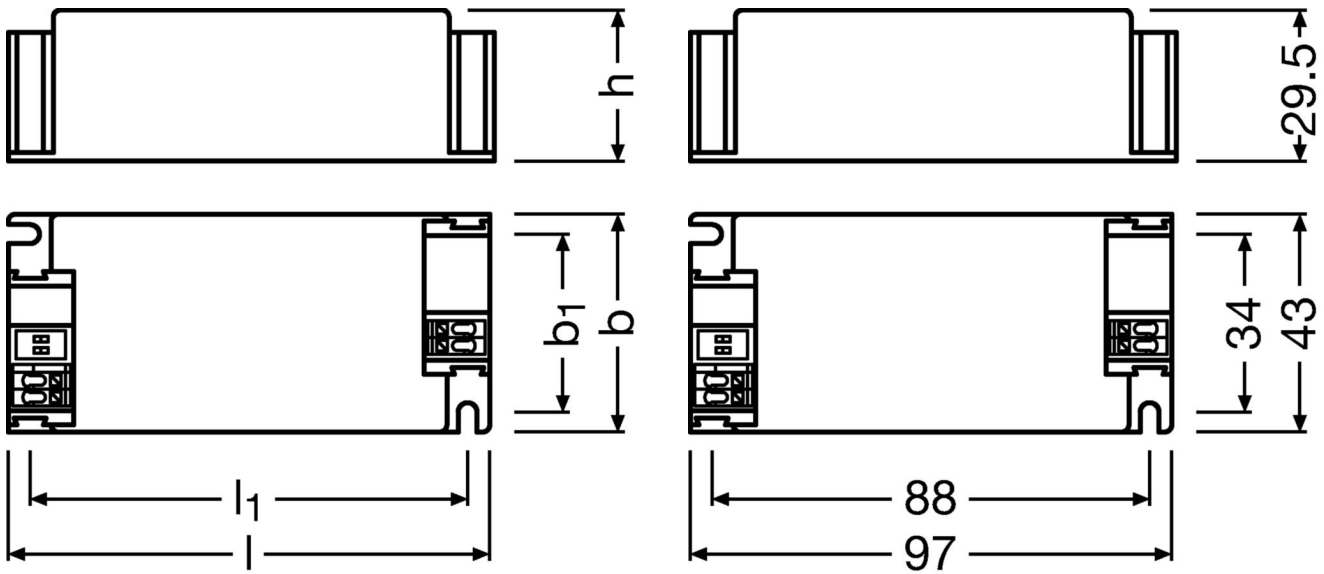
4) $t_{width} = 70 \mu s$ (measured at 50 % I_{peak})

5) Ripple average at 100 Hz

6) Full load at 230 V / 50 Hz

7) At full load, 230 V, 50 Hz / see graphs

Dimensions & weight



Length	97.0 mm
Height	29.5 mm
Width	43.0 mm
Product weight	90.00 g
Cable cross-section, input side	0.5...1.5 mm ^{2 1)}
Cable cross-section, output side	0.5...1.5 mm ^{2 1)}
Cable/wire length, output side	2000 mm
Wire preparation length, input side	7...8 mm
Wire preparation length, output side	7...8 mm
Mounting hole spacing, length	88.0 mm
Mounting hole spacing, width	34.0 mm

1) Solid/ Flexible Leads

Colors & materials

Casing material	Plastic
Product color	White

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Max.housing temperature in case of fault	110 °C
Maximum temperature at tc test point	80 °C ¹⁾
Permitted rel. humidity during operation	5...85 % ²⁾
Temperature range at storage	-20...80 °C

1) Measured on tc point indicated on the product label.

2) Non-condensing

Lifespan

ECG lifetime	50000 h ¹⁾
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1) At maximum $T_c = 80^\circ\text{C}$ / 10% failure rate

Additional product data

Encapsulated	No
Predecessor EAN	4052899435636

Capabilities

Dimmable	No
Max. cable length to lamp/LED module	2.0 m ¹⁾
Overload protection	Automatic reversible
Overheating protection	Automatic reversible
Suitable for fixtures with prot. class	I / II
Suitable for through-wiring	No
Type of connection, input side	Push terminal
Type of connection, output side	Push terminal
Intended for no-load operation	No
No-load proof	Yes
Number of channels	1
Short-circuit protection	Automatic reversible

1) Output wires must be routed as close as possible to each other

Programming

Programming device	DIPswitch
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Certificates & standards

Type of protection	IP20
Approval marks – approval	CCC / CE / RCM / ENEC 05
Standards	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

Logistical data

Commodity code	85044083900
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Declaration No. in SCIP database	In work
Date of Declaration	02-07-2024
Primary Article Identifier	4052899617322
SCIP_STATUS	In work
SCIP_ID	

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.

Download Data

File		
Certificates	PDF	▶ OT FIT CS ENEC 35 112395 180121
CAD data 3-dim	Compressed	▶ OT FIT 20 30 CS CAD3PDF 151020
CAD data	Compressed	▶ OT FIT 20 30 CS IGS 151020
CAD data	Compressed	▶ OT FIT 20 30 CS STEP 151020
Mandatory Publications	PDF	▶ OT FIT CS UK DoC 4290089 03 220923
Mandatory Publications	PDF	▶ OT FIT CS CE 3667905 11 180823
User instruction	PDF	▶ OPTOTRONIC LED Power Supply

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899617322	OT FIT 30/220-240/700 CS	Shipping carton box 20 Pieces	228 x 208 x 78 mm	3.70 dm ³	100.15 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 30/220-240/700 CS	OT CABLE CLAMP D-STYLE	▶ 4052899077904
OT FIT 30/220-240/700 CS	OT CABLE CLAMP D-STYLE	▶ 4062172345507
OT FIT 30/220-240/700 CS	OT CABLE CLAMP D-STYLE TL	▶ 4062172349185

Disclaimer

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