

PRODUCT DATASHEET

OT FIT 30/220...240/700 CS

OPTOTRONIC® FIT CS | Constant Current - Indoor - on/off



Areas of application

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

Product benefits

- High 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 features

- Supply voltage: 220...240 V
- Line frequency: 50 Hz | 60 Hz
- Line voltage: 198...264 V
- According to EN 61347-1, 61347-2-13, 62384
- RI suppression: to EN 55015
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547
- Lifetime: up to 50,000 h (temperature at $T_c = 70\text{ °C}$, max. 10 % failure rate)
- Cable clamp kit for independent mounting

TECHNICAL DATA

Electrical data

Nominal wattage	30.00 W
Nominal output power	11.5...29.4 W
Nominal voltage	220...240 V
Nominal output voltage	23...42 V
Input voltage AC	198...264 V ¹⁾
U-OUT (working voltage)	60 V
Nominal current	0.15 A
Nominal output current	500 mA / 600 mA / 650 mA / 700 mA
Inrush current	16 A
Output current tolerance	±7,5 %
Output ripple current (100 Hz)	< 5 %
Mains frequency	50/60 Hz
Total harmonic distortion	< 10 % ²⁾
Power factor λ	0.98
ECG efficiency	89 % ³⁾
Device power loss	3,5 W ⁴⁾
Max. ECG no. on circuit breaker 10 A (B)	16
Max. ECG no. on circuit breaker 16 A (B)	25
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Galvanic isolation	SELV

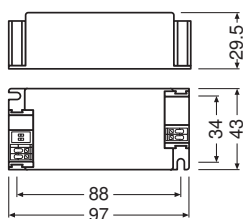
¹⁾ Permitted voltage range

²⁾ At full load, 230 V, 50 Hz / see graphs

³⁾ At full load and 230 V / At 50 Hz

⁴⁾ At 230 V, Input power 34 W max.

Dimensions & Weight



Length	97.00 mm
Mounting hole spacing, length	88,0 mm
Width	43.00 mm
Height	29.50 mm
Cable cross-section, input side	0.5...1.5 mm ²
Cable cross-section, output side	0.5...1.5 mm ²
Wire preparation length, input side	7...8 mm
Wire preparation length, output side	7...8 mm
Product weight	90.00 g

Colors & materials

Casing material	Plastic
Body material	Plastic

Temperatures & operating conditions

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

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h / 30000 h ¹⁾
--------------	---------------------------------

¹⁾ T_c = 70°C, with max. 10% failure rate / T_c = 80°C, with max. 10% failure rate

Additional product data

Encapsulated	No
--------------	----

Capabilities

Dimmable	No
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
No-load proof	Yes
Short-circuit protection	Automatic reversible
Max. cable length to lamp/LED module	2,0 m
Suitable for fixtures with prot. class	I / II
Type of connection, output side	Push terminal











Certificates & Standards


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
Protection class	II
Type of protection	IP20

LOGISTICAL DATA

Temperature range at storage	-20...80 °C
------------------------------	-------------

DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	OPTOTRONIC LED Power Supply
 User instruction / safety instructions	OPTOTRONIC® LED Power Supply
 User instruction / safety instructions	OPTOTRONIC LED Power Supply
 Declarations of conformity	489246_DoC_OT FIT CS
 Declarations of conformity	EU Declaration of Conformity 3667905
 Certificates	CCC Certificate 2018171002002234
 Certificates	Certificate 2196588.02 ENEC
 Certificates	OT FIT 20 30 40 CS EMC 4330577 01 221019
 Certificates	OT FIT 20 30 40 CS ENEC 35 104727 221019
 Certificates	CCC Certificate 2018171002002233

CAD/BIM files	Document name
 CAD data 3D PDF	CAD Data OT FIT 30,40/220-240/CS.pdf

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899435636	Unpacked 1			

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899435643	Shipping box 20	228 mm x 208 mm x 78 mm	1906.00 g	3.70 dm ³

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.