

OPTOTRONIC FIT 12V P | Constant Voltage – Non dimmable



- Suitable for Class I/II luminaires
- SELV, Vout: 12.5 V
- Wide ta range -40 °C...+70 °C
- Driver with output power range of up to 300 W
- High efficiency up to 91 %
- Smart Power Supply
- THD <5 % at full load
- High IP protection (IP66 / IP67)
- High surge protection: up to 6 kV (L-N) / 6 kV (L/N-PE)
- High surge protection: up to 6 kV (L-N) / 10 kV (L/N-PE) (IN version)
- Short-circuit, overload and overtemperature protection
- Lifetime: up to 50,000 h (temperature at $T_c = 80\text{ °C}$, max. 10 % failure rate)
- Mains voltage: 220 – 240 VAC
- IN version only for India

- Small housing design
- Versatile scope of application due to output power range of up to 300 W
- Robust and durable design for outdoor application

- Signage lighting, channel letter lighting, luminous ceilings, etc...
- Suitable for indoor and outdoor SELV equivalent installations



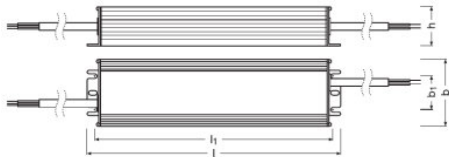
Technical data

Electrical data

Nominal output power	150 W
Mains frequency	50...60 Hz
Nominal voltage	220...240 V
Nominal current	085 A
Device power loss	14.8 W
Power factor λ	095 ¹⁾
Inrush current	55 A ²⁾
Nominal output voltage	12.5 V
Input voltage AC	180...280 V
Maximum output power	150 W ³⁾
Output ripple Voltage (100 Hz)	< 3 % ⁴⁾
Efficiency in full-load	91 % ⁵⁾

1) Typical, Full load, 230 VAC, 50 Hz / 60 Hz
2) At Full Load, 240VAC, Cold StartDuration=500uS 50%l_{pk}–50%l_{pk}
3) at steady state
4) ripple @ 100 Hz / full load
5) at 230 V, 50 Hz

Dimensions & weight



Length	2020 mm
Width	530 mm
Height	315 mm
Mounting hole spacing, length	188.0 mm
Mounting hole spacing, width	27.0 mm
Product weight	92000 g

Temperatures & operating conditions

Product datasheet

Ambient temperature range	-40...+50 °C ¹⁾
Permitted rel. humidity during operation	5...85 % ²⁾

¹⁾ At fullload, Tc not exceeded

²⁾ Maximum 56 days/year at 85 %

Capabilities

Suitable for fixtures with prot. class	I / II
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Dimmable	No
Number of channels	1

Certificates & standards

Type of protection	IP66/IP67
Standards	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 61000-3-3/Acc. to EN 60598-1/Acc. to EN 62384
Approval marks – approval	CE / ENEC / RCM / BIS



Logistical data

Commodity code	850440829000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	14-04-2022
Primary Article Identifier	4062172133524
Declaration No. in SCIP database	In work

Download Data

File	
	User instruction OPTOTRONIC LED Power Supply
	Declarations of conformity OT FIT 12P CE 4192443 02 220222

Product 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
4062172133524	OT FIT 150/220-240/12 P IN	Shipping carton box 15	349 mm x 284 mm x 153 mm	15.16 dm ³	14185.00 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.

Disclaimer

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