The trusted value of OSRAM Digital Systems continues with Inventronics Global – where experience meets innovation.

OT FIT 120/220-240/750 D LT2 L

OPTOTRONIC FIT D LT2 L | Linear / Area Constant Current - Non dimmable



Product family features

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile scope of application due to output power range of up to 120 W
- Supply voltage: 220...240 V
- Available with output current range: up to 750 mA
- Non-isolated drivers

Product family benefits

- Flexible current setting (LEDset2)
- Lifetime: up to 100,000 h (temperature at T_c = 65 °C, max. 10 % failure rate) High quality of light thanks to low output ripple current
- Very high efficiency
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection



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

Technical data

Electrical data

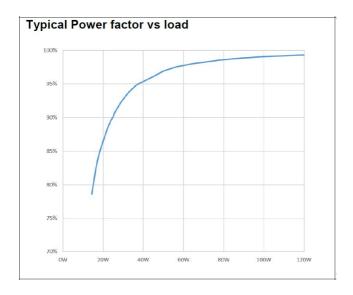
Nominal input voltage	220240 V	
Mains frequency	0/50/60 Hz	
Input voltage AC	198264 V	
Input voltage DC	176276 V	
Total harmonic distortion	< 5 %	
Power factor λ	0.71C0.99	
Efficiency in full-load	92 % ¹⁾	
Device power loss	12 W	
Networked standby power	not relevant	
Inrush current	70 A	
Max. ECG no. on circuit breaker 10 A (B)	8	
Max. ECG no. on circuit breaker 16 A (B)	13	
Surge capability (L-N)	1 kV	
Surge capability (L/N-Ground)	2 kV	
Protective conductor current	0.2 mA	
Nominal output voltage	54216 V	
U-OUT (working voltage)	< 250 V	
Nominal output current	250700 mA ²⁾	
Default output current	250 mA ³⁾	
Output current tolerance	±5 %	
Output current LEDset open	250 mA	
Output current LEDset shorted	750 mA	
Output ripple current (100 Hz)	< 1 %	
Output PSTLM	≤1	
Output SVM	≤0.4	
Nominal output power	13.5120 W	
Maximum output power	120 W	

¹⁾ at 230 V, 50 Hz

^{2) ±5%}

³⁾ LEDset deactivated

Typical Power Factor v Load

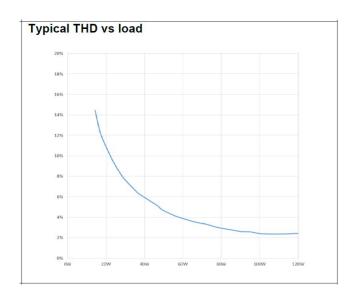


Operating Window



OT FIT 120/220-240/750 D LT2 L Typical Power Factor vs. Load

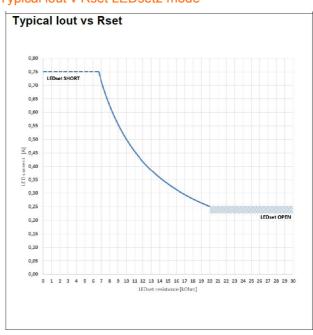
Typical THD v Load



OT FIT 120/220-240/750 D LT2 L Typical THD Vs Load

OT FIT 120/220-240/750 D LT2 L Operating Window

Typical lout v Rset LEDset2 mode



OT FIT 120/220-240/750 D LT2 L Typical lout vs Rset (LEDset2 mode)

Typical Efficiency v Load 230 V 50 Hz



OT FIT 120/220-240/750 D LT2 L Typical Efficiency vs. Load (230 V / 50 Hz)

Dimensions & weight



Product weight	290.00 g
Length	360.0 mm
Width	30.0 mm
Height	21.0 mm
Mounting hole spacing, length	350.0 mm
Mounting hole spacing, width	not relevant mm
Cable cross-section, input side	0.51.5 mm²
Cable cross-section, output side	0.51.5 mm²
Wire preparation length, input side	8.59.5 mm
Wire preparation length, output side	8.59.5 mm

Colors & materials

Casing material	Metal
Casing material	Metal

Temperatures & operating conditions

Ambient temperature range	-25+60 °C
Maximum temperature at tc test point	75 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-40+85 °C
Permitted rel. humidity during operation	585 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h / 100000 h ¹⁾

1) At maximum T $_{\rm c}$ = 75°C / 10% failure rate / At T $_{\rm c}$ = 65°C / 10% failure rate

Additional product data

	Encapsulated	No
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Capabilities

Programming interface	LEDset	
Dimmable	No	
Constant lumen function	No	
Max. cable length to lamp/LED module	2.0 m ¹⁾	
Suitable for fixtures with prot. class	1	
Suitable for emergency lighting	Yes	
Type of connection, input side	Push terminal	
Type of connection, output side	Push terminal	
Number of channels	1	
Overheating protection	Automatic reversible	
Overload protection	Automatic reversible	
Short-circuit protection	Automatic reversible	
Intended for no-load operation	No	
No-load proof	Yes	

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



Programming

Programming device	LEDset
. regramming device	223001

Certificates & standards

Approval marks – approval	CE / EL / VDE-ENEC / VDE-EMC / EAC / CCC / BIS / RCM
Standards	EN 61347-1 / EN 61347-2-13 / EN 62384 / EN 61000-3-2 / EN 61000-3-3 / EN 61547
Type of protection	IP20

Logistical data

Commodity code	85044083900

Environmental information

Information according Art. 33 of EU Reg	ulation (EC) 1907/2006 (REACh)
Date of Declaration	24-01-2025
Primary Article Identifier	4052899497900 6937186111593
Declaration No. in SCIP database	In work
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	►INOTEC Certificate OT FIT 120/750 D LT2 L
Certificates	PDF	►INOTEC Certificate OT FIT 120/750 D LT2 L appendix
Certificates	PDF	►OT ENEC 40038085 230824
CAD data 3-dim	Compressed	►OT FIT 120 D LT2 L CAD3PDF 270220
CAD data 2-dim	Compressed	►OT FIT 120 D LT2 L CAD2PDF 270220
CAD data	Compressed	►OT FIT 120 D LT2 L IGS 270220
CAD data	Compressed	►OT FIT 120 D LT2 L STEP 270220
Mandatory Publications	PDF	►OT FIT D LT2 L UK DoC 4288054 02 080923
Mandatory Publications	PDF	►OT FIT D LT2 L CE 3461268 12 240125
User instruction	PDF	►UI OT FIT 120 D LT2 L



Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899497900 OSRAM	OT FIT 120/220-240/750 D LT2 L	Shipping carton box 20 Pieces	385 x 160 x 100 mm	6.16 dm³	300.15 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

Disclaimer

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