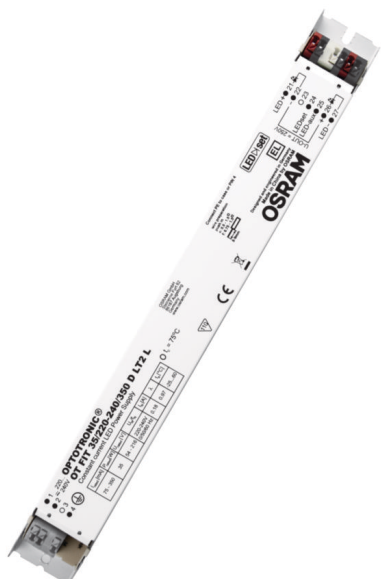


OT FIT 25/220-240/300 D LT2 L

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 $T_c = 65^\circ\text{C}$, 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

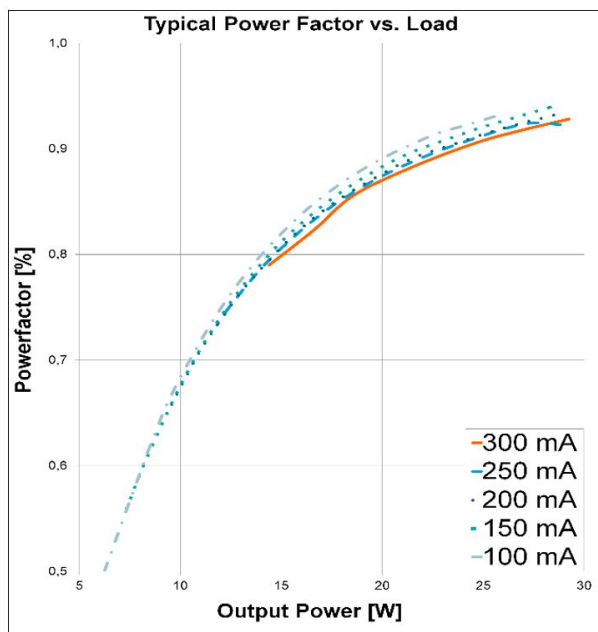
Nominal input voltage	220...240 V
Nominal output current	35...300 mA ¹⁾
Nominal output power	2...25 W
Nominal output voltage	40...216 V
Maximum output power	25 W
Mains frequency	0/50/60 Hz
Input voltage AC	198...264 V
Input voltage DC	176...276 V
Default output current	35 mA ²⁾
Device power loss	3.0 W
Efficiency in full-load	89 % ³⁾
Inrush current	30 mA
Max. ECG no. on circuit breaker 10 A (B)	63
Max. ECG no. on circuit breaker 16 A (B)	100
Output current LEDset open	35 mA
Output current LEDset shorted	300 mA
Output current tolerance	±5 %
Output PSTLM	≤1
Output ripple current (100 Hz)	< 5 %
Output SVM	≤0.4
Power factor λ	0.42C...0.95
Protective conductor current	not relevant
Surge capability (L-N)	1 kV
Surge capability (L/N-Ground)	2 kV
Total harmonic distortion	< 10 %
U-OUT (working voltage)	< 250 V
Current set	LEDset

1) ±5%

2) LEDset deactivated

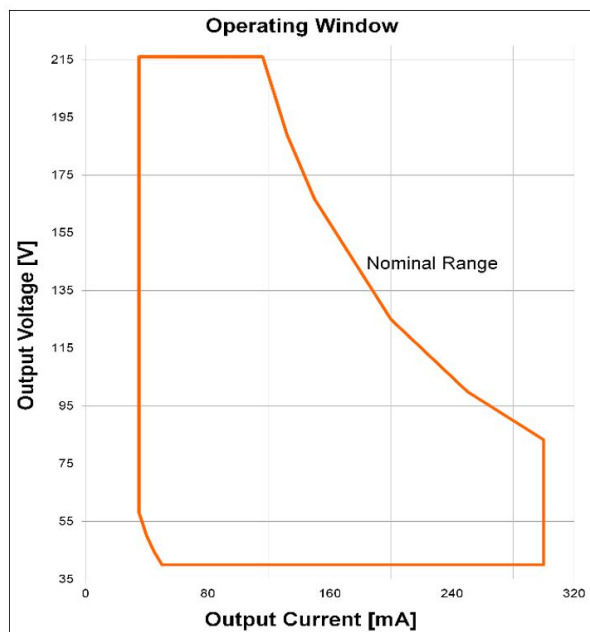
3) at 230 V, 50 Hz

Typical Power Factor v Load



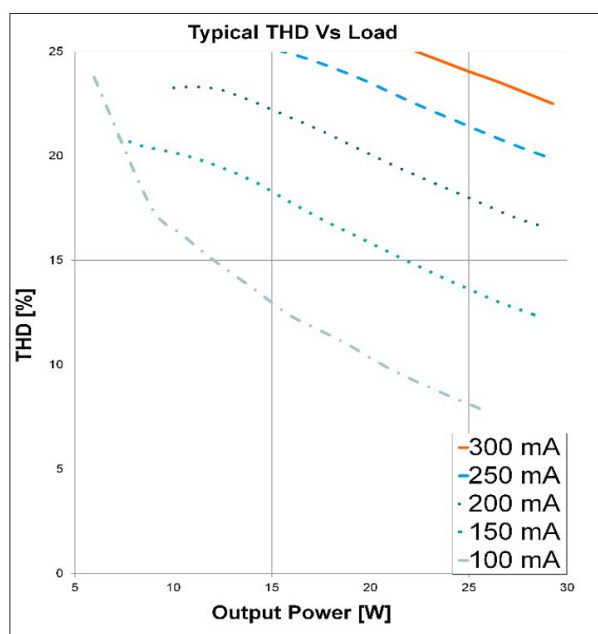
OT FIT 25/220-240/300 D LT2 L Typical Power Factor vs. Load

Operating Window



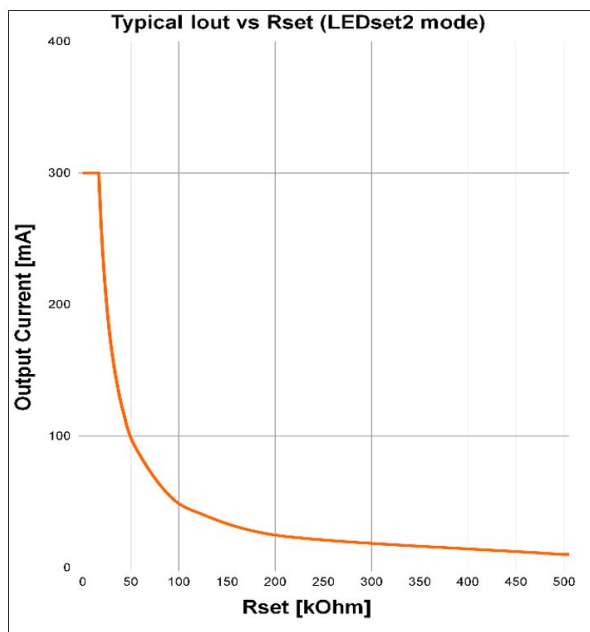
OT FIT 25/220-240/300 D LT2 L Operating Window

Typical THD v Load



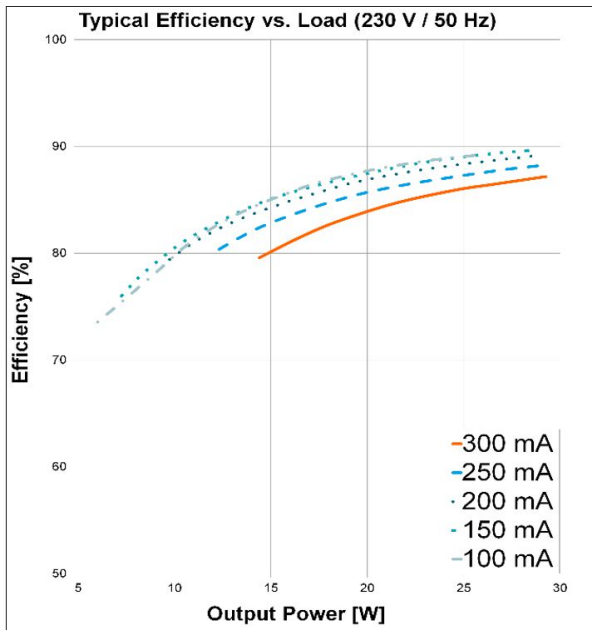
OT FIT 25/220-240/300 D LT2 L Typical THD Vs Load

Typical Iout v Rset LEDset2 mode



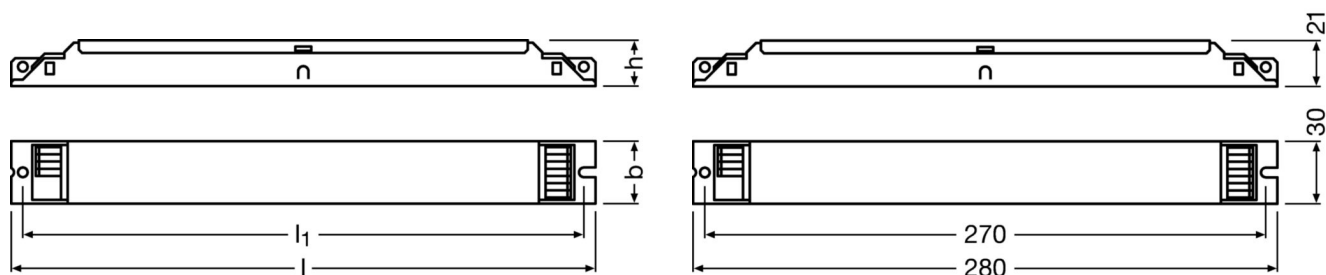
OT FIT 25/220-240/300 D LT2 L Typical Iout vs Rset (LEDset2 mode)

Typical Efficiency v Load 230 V 50 Hz



OT FIT 25/220-240/300 D LT2 L Typical Efficiency vs. Load (230 V / 50 Hz)

Dimensions & weight



Length	280.0 mm
Height	21.0 mm
Width	30.0 mm
Product weight	153.00 g
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	8.5...9.5 mm
Wire preparation length, output side	8.5...9.5 mm
Mounting hole spacing, length	270.0 mm
Mounting hole spacing, width	not relevant mm

Colors & materials

Casing material	Metal
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Temperatures & operating conditions

Ambient temperature range	-25...+60 °C
Max.housing temperature in case of fault	110 °C
Maximum temperature at tc test point	75 °C
Permitted rel. humidity during operation	5...85 % ¹⁾
Temperature range at storage	-40...+85 °C

1) Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h / 100000 h ¹⁾
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1) At maximum $T_c = 75^\circ\text{C}$ / 10% failure rate / At $T_c = 65^\circ\text{C}$ / 10% failure rate

Capabilities

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

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

Programming

Programming device	LEDset
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Certificates & standards

Type of protection	IP20
Approval marks – approval	CE / EL / VDE-ENEC / VDE-EMC / EAC / CCC
Standards	Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 62384 / Acc. to EN 61000-3-2 / Acc. to EN 61000-3-3 / Acc. to EN 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	14-06-2024
Primary Article Identifier	4052899990289

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 ENEC 40038085 230824
Certificates	PDF	▶ EATON(CEAG) Conformity declaration AM10893_OT_FIT_25_220-240_300_D_LT2_L
Certificates	PDF	▶ INOTEC Conformity declaration AM10893_OT_FIT_25_220-240_300_D_LT2_L
CAD data 3-dim	Compressed	▶ OT FIT D LT2 L CAD3PDF 150120
CAD data 2-dim	Compressed	▶ OT FIT D LT2 L CAD2PDF 150120
CAD data	Compressed	▶ OT FIT D LT2 L IGS 150120
CAD data	Compressed	▶ OT FIT D LT2 L STEP 150120
Mandatory Publications	PDF	▶ OT FIT D LT2 L UK DoC 4288054 02 080923
Mandatory Publications	PDF	▶ OT FIT D LT2 L CE 3461268 161023
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
4052899990289	OT FIT 25/220-240/300 D LT2 L	Shipping carton box 20 Pieces	305 x 161 x 104 mm	5.11 dm ³	177.00 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.