OT FIT 30/220-240/800 CS T-B *(PHASE OUT)*

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

Product family features

- Supply voltage: 220…240 V
- Line frequency: 50 Hz | 60 Hz
- Line voltage: 198…264 V
- Lifetime: up to 50,000 h (temperature at T_c = 75 °C, max. 10 % failure rate)

Product family benefits

- High quality of light thanks to low output ripple current
- High flexibility due to four different output currents per type
- Short housing for minimum distance between spotlights
- SELV system

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Areas of application

- Track lights
- Shops and hospitality: retail, hotels, restaurants

Technical data

Electrical data

Nominal input voltage	220…240 V
Nominal output current	600 mA / 700 mA / 750 mA / 800 mA
Nominal output power	15…33.6 W
Nominal output voltage	25…42 V
Maximum output power	33.6 W
Mains frequency	50/60 Hz
Input voltage AC	198…264 V
Default output current	800 mA
Device power loss	4.4 W [1]
Efficiency in full-load	88 % [2]
Galvanic isolation primary/secondary	SELV
Inrush current	≤ 20 A [3]
Max. ECG no. on circuit breaker 10 A (B)	15
Max. ECG no. on circuit breaker 16 A (B)	25
Max. ECG no. on circuit breaker 25 A (B)	not relevant
Output current tolerance	±7.5 %
Output PSTLM	≤1
Output ripple current (100 Hz)	< 5 % [4]
Output SVM	≤0.4
Power factor λ	0.89C...0.97 [5]
Protective conductor current	<0.7 mA
Surge capability (L-N)	1 kV
Surge capability (L/N-Ground)	2 kV
Total harmonic distortion	< 10 % [6]
U-OUT (working voltage)	60 V
Current set	DipSwitch

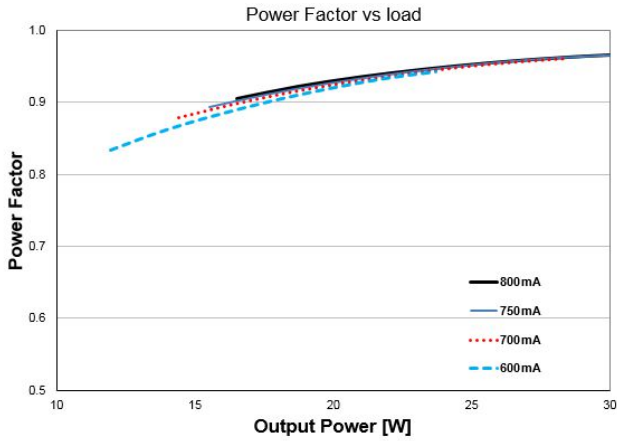1) At 230 V, Input power 38 W max.
2) at 230 V, 50 Hz
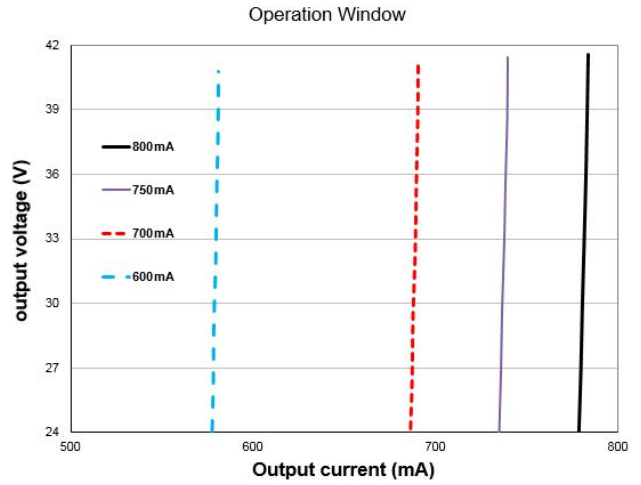3) t_{width} = 200 µs (measured at 50 % I_{peak})
4) Ripple / average @ 100 Hz
5) Full load at 230 V / 50 Hz
6) Full load, 230V, 50 Hz
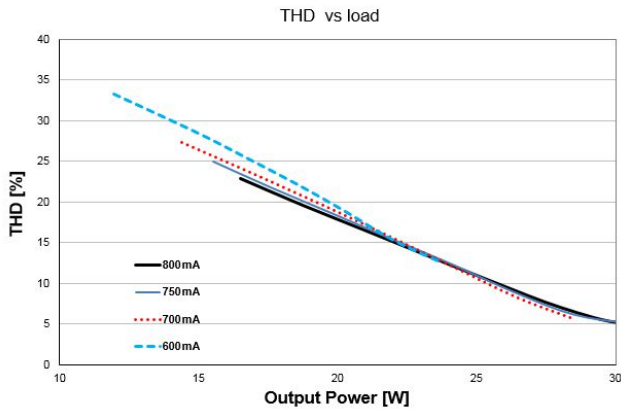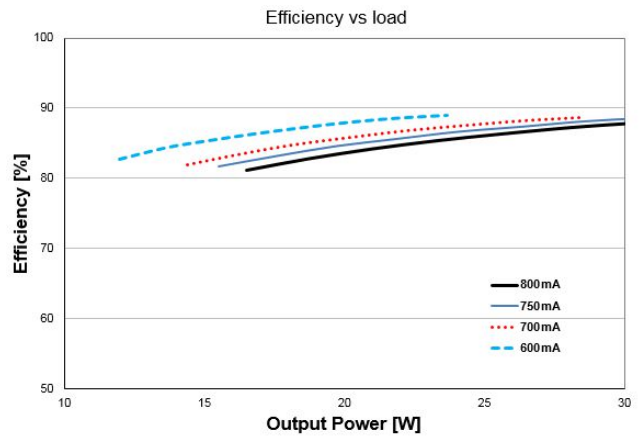
Typical Power Factor v Load

OT FIT 30 CS T Typical Power Factor vs. Load

Operating Window

OT FIT 30 CS T Operating Window

Typical THD v Load

OT FIT 30 CS T Typical THD Vs Load

Typical Efficiency v Load 230 V 50 Hz

OT FIT 30 CS T Typical Efficiency vs. Load (230 V / 50 Hz)

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Dimensions & weight
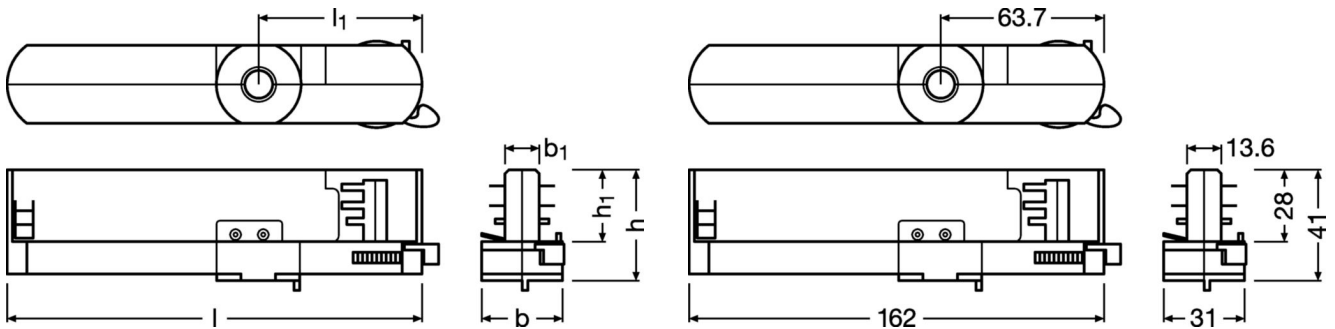
Length	162.0 mm
Height	41 mm
Width	32.0 mm
Product weight	63.40 g
Cable cross-section, input side	not relevant
Cable cross-section, output side	0.2…0.75 mm²
Cable/wire length, output side	2000 mm
Wire preparation length, input side	not relevant
Wire preparation length, output side	7…8 mm
Mounting hole spacing, length	not relevant mm
Mounting hole spacing, width	not relevant mm

Colors & materials

Casing material	Plastic
Product color	BLACK RAL 9011

Temperatures & operating conditions

Ambient temperature range	-20…+35 °C
Max.housing temperature in case of fault	110 °C
Maximum temperature at tc test point	75 °C [1]
Permitted rel. humidity during operation	5…85 % [2]
Temperature range at storage	-20…80 °C [3]

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

2) Non-condensing

3) Cool down before operating

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Lifespan

ECG lifetime	50000 h [1]

1) At maximum T_c = 75°C / 10% failure rate

Additional product data

Predecessor EAN	4062172028479
Successor EAN	4062172379847

Capabilities

Dimmable	No
Max. cable length to lamp/LED module	2.0 m [1]
Overload protection	Yes
Overheating protection	Automatic reversible
Suitable for fixtures with prot. class	II
Suitable for through-wiring	not relevant
Type of connection, output side	Push terminal
Intended for no-load operation	No
No-load proof	Yes
Number of channels	1
Short-circuit protection	Yes

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

Programming

Programming device	DIPswitch

Certificates & standards

Type of protection	IP20
Approval marks – approval	CE / ENEC / EAC / CQC / RCM [1)]
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

1) In preparation

Logistical data

Commodity code	85044083900

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	4052899617247
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 T ENEC 35 112153 01 050723
CAD data	Compressed	▶OT FIT 20 30 40 CS T STEP 210521
Mandatory Publications	PDF	▶OT FIT CS T CE 4177698 06 160523
Mandatory Publications	PDF	▶OT FIT CS T UK DoC 4281105 03 200923
User instruction	PDF	▶UI OT FIT CS T

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899617247	OT FIT 30/220-240/800 CS T-B	Shipping carton box 20 Pieces	425 x 241 x 141 mm	14.44 dm³	90.75 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 30/220-240/800 CS T-B	Track Joint	►4062172228183
OT FIT 30/220-240/800 CS T-B	BLACK RING	►4062172138567

Disclaimer

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