

## OT FIT 30/220-240/800 CS T-W

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



### Areas of application

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

### 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

### 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  $T_c = 75\text{ °C}$ , max. 10 % failure rate)



## Technical data

### Electrical data

Nominal input voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V
Total harmonic distortion	< 10 % <sup>1)</sup>
Power factor $\lambda$	0.97 <sup>2)</sup>
ECG efficiency	87 % <sup>3)</sup>
Device power loss	4.4 W <sup>4)</sup>
Protective conductor current	<0.7 mA
Inrush current	< 42 A <sup>5)</sup>
Max. ECG no. on circuit breaker 10 A (B)	15
Max. ECG no. on circuit breaker 16 A (B)	25
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	25...42 V
U-OUT (working voltage)	60 V
Nominal output current	600 / 700 / 750 / 800 mA
Output current tolerance	±7.5 %
Output ripple current (100 Hz)	< 5 % <sup>6)</sup>
Output PSTLM	≤1
Output SVM	≤0.4
Nominal output power	15-33.6 W
Galvanic isolation	SELV
Current set	DipSwitch

<sup>1)</sup> Full load, 230V, 50 Hz

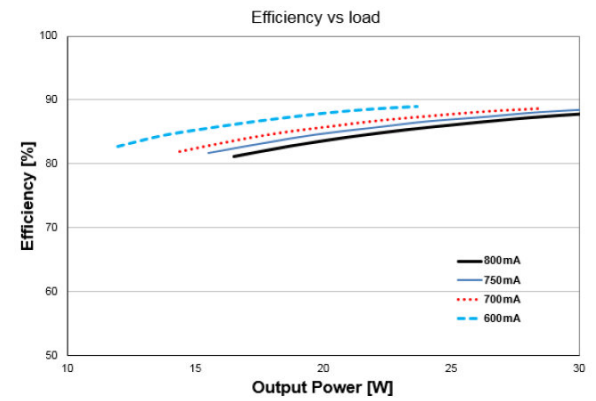
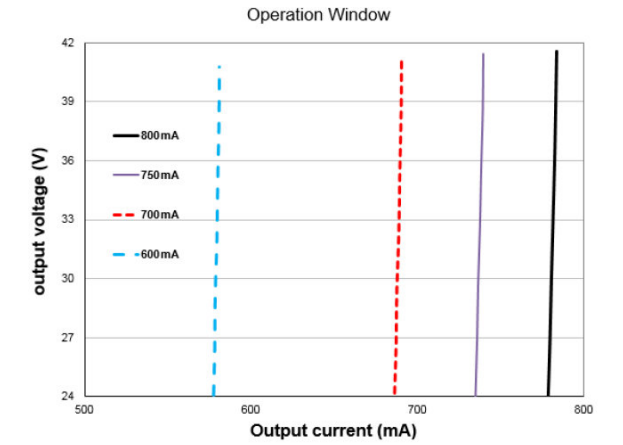
<sup>2)</sup> Full load at 230 V/50 Hz

<sup>3)</sup> Full load, 230V, 50 Hz, typical

<sup>4)</sup> At 230V, Input power 38 W max.

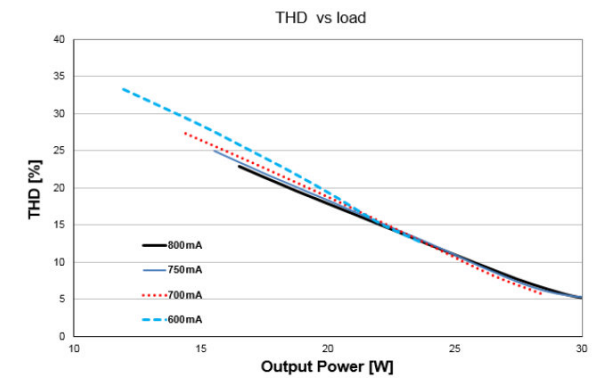
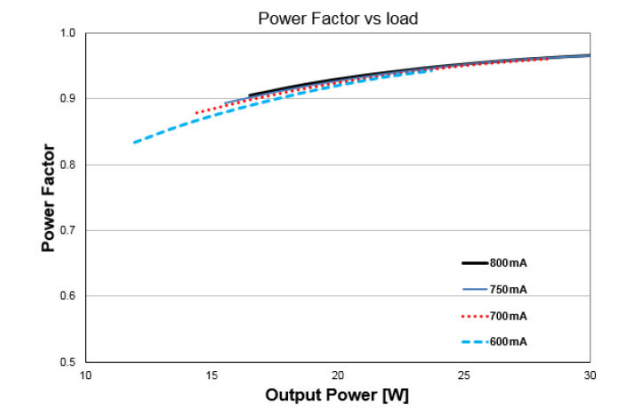
<sup>5)</sup>  $t_{width} = 160 \mu s$  (measured at 50 %  $I_{peak}$ )

<sup>6)</sup> Ripple / average @ 100 Hz



Operating Window

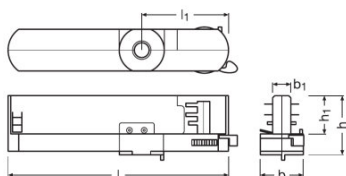
Typical Efficiency v Load 230 V 50 Hz



Typical Power Factor v Load

Typical THD v Load

## Dimensions & weight



Product weight	63.40 g
Cable cross-section, output side	0.2...0.75 mm <sup>2</sup>
Wire preparation length, output side	7...8 mm
Length	162.0 mm
Width	32.0 mm
Height	41 mm

## Colors & materials

Casing material	Plastic
Product color	WHITE RAL 9010

## Temperatures & operating conditions

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

<sup>1)</sup> Measured on tc point indicated of the product label.

<sup>2)</sup> Cool down before operating

<sup>3)</sup> Non-condensing

## Lifespan

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

## Additional product data

Encapsulated	No
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## Product datasheet

<b>Compatible track systems</b>	Nuco / Ivela / EUTRAC / GLOBAL / STAFF / NORLUX <sup>1)</sup>
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<sup>1)</sup> The compatibility may become invalid when the critical track dimension is modified by the brand owner in case of engineering change or optimization in the future

### Capabilities

<b>Dimmable</b>	No
<b>Overheating protection</b>	Automatic reversible
<b>Overload protection</b>	Yes
<b>Short-circuit protection</b>	Yes
<b>No-load proof</b>	Yes
<b>Max. cable length to lamp/LED module</b>	2.0 m
<b>Suitable for fixtures with prot. class</b>	II
<b>Type of connection, input side</b>	-
<b>Type of connection, output side</b>	Push terminal
<b>Number of channels</b>	1

### Programming

<b>Tuner4TRONIC</b>	No
<b>Tuner4TRONIC Field App</b>	No
<b>Programming device</b>	DIPswitch

### Certificates & standards




<b>Approval marks – approval</b>	CE / ENEC / EAC / CQC / RCM <sup>1)</sup>
<b>Standards</b>	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
<b>Type of protection</b>	IP20

<sup>1)</sup> In preparation

### Logistical data

<b>Commodity code</b>	850440829000
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### Download Data

File	
	User instruction OPTOTRONIC LED Power Supply
	Product Datasheet OT FIT 30 CS T DS 210720
	Declarations of conformity OT FIT CS T CE 4177698 140120

## Product datasheet

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### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172131797	OT FIT 30/220-240/800 CS T-W	Shipping carton box 20	425 mm x 241 mm x 141 mm	14.44 dm <sup>3</sup>	2947.00 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.

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### Disclaimer

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