

## OT FIT 30/220-240/800 CS T-W (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  $T_c = 75^\circ\text{C}$ , 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

## 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 <sup>1)</sup>               |
| Efficiency in full-load                  | 87 % <sup>2)</sup>                |
| Galvanic isolation primary/secondary     | SELV                              |
| Inrush current                           | ≤ 20 A <sup>3)</sup>              |
| 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 % <sup>4)</sup>               |
| Output SVM                               | ≤0.4                              |
| Power factor λ                           | 0.89C...0.97 <sup>5)</sup>        |
| Protective conductor current             | <0.7 mA                           |
| Surge capability (L-N)                   | 1 kV                              |
| Surge capability (L/N-Ground)            | 2 kV                              |
| Total harmonic distortion                | < 10 % <sup>6)</sup>              |
| U-OUT (working voltage)                  | 60 V                              |
| Current set                              | DipSwitch                         |

1) At 230 V, Input power 38 W max.

2) at 230 V, 50 Hz

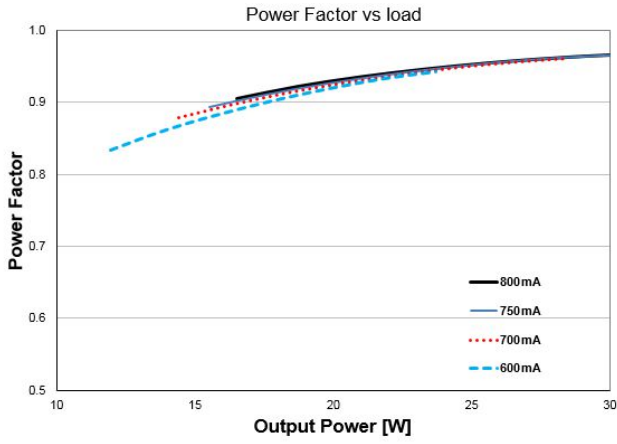
3)  $t_{width} = 200 \mu s$  (measured at 50 %  $I_{peak}$ )

4) Ripple / average @ 100 Hz

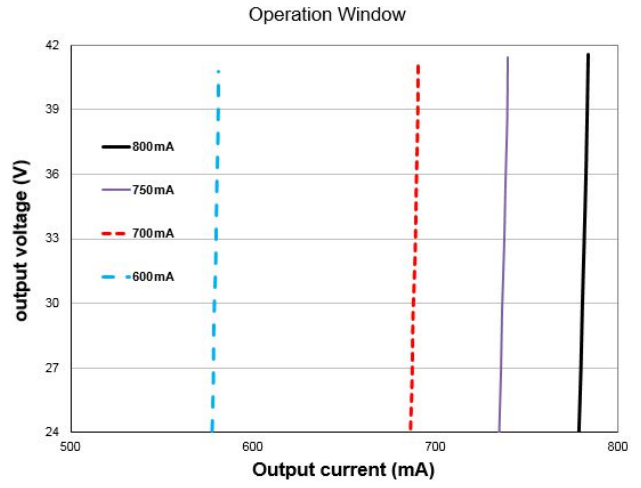
5) Full load at 230 V / 50 Hz

6) Full load, 230V, 50 Hz

## Typical Power Factor v Load



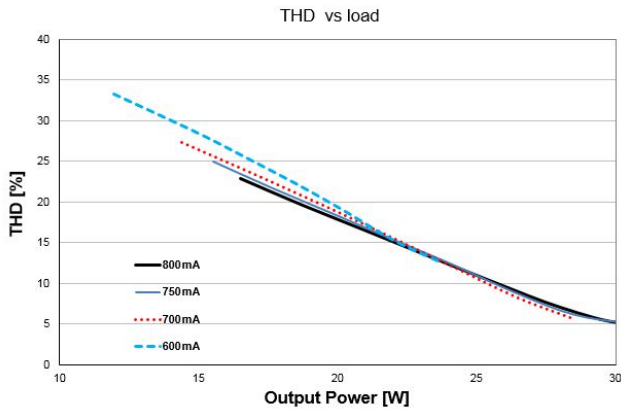
## Operating Window



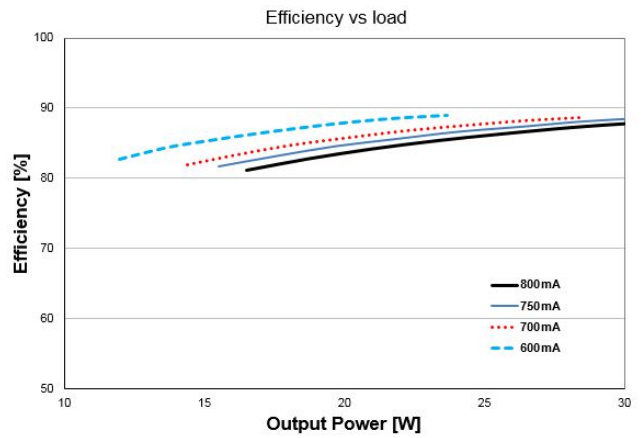
OT FIT 30 CS T Typical Power Factor vs. Load

OT FIT 30 CS T Operating Window

## Typical THD v Load



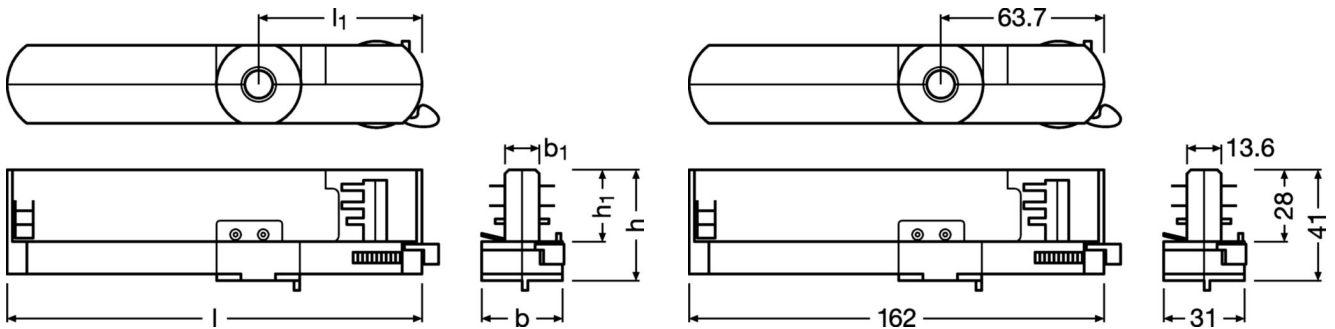
## Typical Efficiency v Load 230 V 50 Hz



OT FIT 30 CS T Typical THD Vs Load

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

## Dimensions & weight



|                                             |                            |
|---------------------------------------------|----------------------------|
| <b>Length</b>                               | 162.0 mm                   |
| <b>Height</b>                               | 41 mm                      |
| <b>Width</b>                                | 32.0 mm                    |
| <b>Product weight</b>                       | 63.40 g                    |
| <b>Cable cross-section, input side</b>      | not relevant               |
| <b>Cable cross-section, output side</b>     | 0.2...0.75 mm <sup>2</sup> |
| <b>Cable/wire length, output side</b>       | 2000 mm                    |
| <b>Wire preparation length, input side</b>  | not relevant               |
| <b>Wire preparation length, output side</b> | 7...8 mm                   |
| <b>Mounting hole spacing, length</b>        | not relevant mm            |
| <b>Mounting hole spacing, width</b>         | not relevant mm            |

## Colors & materials

|                        |                |
|------------------------|----------------|
| <b>Casing material</b> | Plastic        |
| <b>Product color</b>   | WHITE RAL 9010 |

## Temperatures & operating conditions

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

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

2) Non-condensing

3) Cool down before operating

## Lifespan

|                     |                       |
|---------------------|-----------------------|
| <b>ECG lifetime</b> | 50000 h <sup>1)</sup> |
|---------------------|-----------------------|

1) At maximum  $T_c = 75^\circ\text{C}$  / 10% failure rate

## Additional product data

|                        |               |
|------------------------|---------------|
| <b>Predecessor EAN</b> | 4062172028493 |
| <b>Successor EAN</b>   | 4062172379885 |

## Capabilities

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

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

## Programming

|                           |           |
|---------------------------|-----------|
| <b>Programming device</b> | DIPswitch |
|---------------------------|-----------|

## Certificates & standards

|                                  |                                                                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Type of protection</b>        | IP20                                                                                                                                                    |
| <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 |

1) In preparation

## Logistical data

|                       |             |
|-----------------------|-------------|
| <b>Commodity code</b> | 85044083900 |
|-----------------------|-------------|

## Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |               |
|-----------------------------------------------------------------------|---------------|
| <b>Declaration No. in SCIP database</b>                               | In work       |
| <b>Date of Declaration</b>                                            | 02-07-2024    |
| <b>Primary Article Identifier</b>                                     | 4062172131797 |
| <b>SCIP_STATUS</b>                                                    | In work       |
| <b>SCIP_ID</b>                                                        |               |

## 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 |
|---------------|------------------------------|----------------------------------|--------------------------------------|-----------------------|--------------|
| 4062172131797 | OT FIT 30/220-240/800 CS T-W | Shipping carton box<br>20 Pieces | 425 x 241 x 141 mm                   | 14.44 dm <sup>3</sup> | 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-W | Track Joint    | ▶ 4062172228183 |
| OT FIT 30/220-240/800 CS T-W | WHITE RING     | ▶ 4062172138550 |

## Disclaimer

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