

## OT FIT 150/220-240/24 P (NEW)

OPTOTRONIC FIT 24V P | Constant Voltage – Non dimmable



### Product family features

- Small housing design for mounting in coves or linear luminaires
- Versatile scope of application thanks to an output power range of up to 300 W
- Robust and durable design for outdoor applications

## Areas of application

- For example luminous signage in areas such as hotels
- Public squares and architecture lighting
- Suitable for indoor and outdoor SELV installations

## Technical data

### Electrical data

|   |                     |
|---|---------------------|
| <b>Mains frequency</b>                          | 50...60 Hz          |
| <b>Input voltage AC</b>                         | 198...264 V         |
| <b>Input voltage DC</b>                         | not relevant        |
| <b>Total harmonic distortion</b>                | < 5 % <sup>1)</sup> |
| <b>Power factor <math>\lambda</math></b>        | 0.95                |
| <b>Efficiency in full-load</b>                  | 92 % <sup>2)</sup>  |
| <b>Device power loss</b>                        | 13 W                |
| <b>Inrush current</b>                           | 55 A <sup>3)</sup>  |
| <b>Max. ECG no. on circuit breaker 10 A (B)</b> | 6                   |
| <b>Max. ECG no. on circuit breaker 16 A (B)</b> | 10                  |
| <b>Surge capability (L/N-Ground)</b>            | 6 kV                |
| <b>Surge capability (L-N)</b>                   | 4 kV                |
| <b>Nominal output voltage</b>                   | 24 V                |
| <b>U-OUT (working voltage)</b>                  | < 25.5 V            |
| <b>Nominal output power</b>                     | 150 W               |
| <b>Maximum output power</b>                     | 150 W <sup>4)</sup> |
| <b>Galvanic isolation</b>                       | SELV                |

1) At full load, 220...240 V, 50 Hz

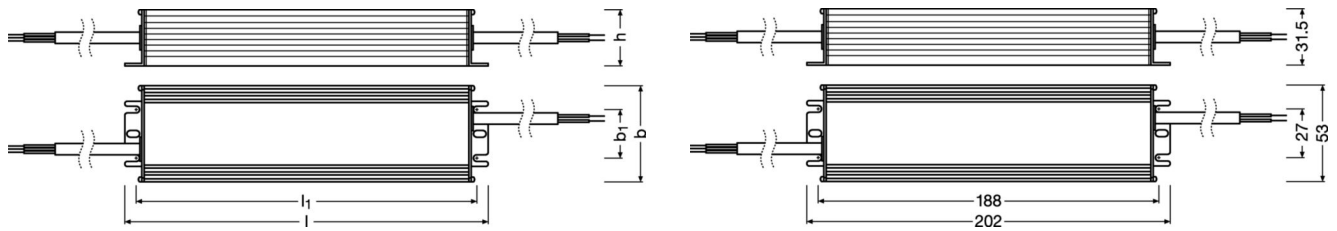
2) at 230 V, 50 Hz

3) At Full Load, 240VAC, Cold Start

Duration=500uS 50%Ipk—50%Ipk

4) at steady state

## Dimensions & weight



|   |                     |
|---|---------------------|
| <b>Length</b>                               | 240.0 mm            |
| <b>Width</b>                                | 53.0 mm             |
| <b>Height</b>                               | 31.5 mm             |
| <b>Mounting hole spacing, length</b>        | 188.0 mm            |
| <b>Mounting hole spacing, width</b>         | 27.0 mm             |
| <b>Cable cross-section, input side</b>      | 1.0 mm <sup>2</sup> |
| <b>Cable cross-section, output side</b>     | 1.0 mm <sup>2</sup> |
| <b>Wire preparation length, input side</b>  | 60 mm               |
| <b>Wire preparation length, output side</b> | 60 mm               |
| <b>Product weight</b>                       | 610.00 g            |

## Colors & materials

|                        |           |
|------------------------|-----------|
| <b>Casing material</b> | Aluminium |
|------------------------|-----------|

## Temperatures & operating conditions

|   |                        |
|---|------------------------|
| <b>Ambient temperature range</b>                | -40...+50 °C           |
| <b>Maximum temperature at tc test point</b>     | 90 °C                  |
| <b>Max.housing temperature in case of fault</b> | 90 °C                  |
| <b>Temperature range at storage</b>             | -40...+85 °C           |
| <b>Permitted rel. humidity during operation</b> | 5...85 % <sup>1)</sup> |

1) Non-condensing

## Lifespan

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

1) At  $T_c = 80^\circ\text{C}$  / 0.2% / 1,000 h failure rate

## Capabilities

|   |                     |
|---|---------------------|
| <b>Dimmable</b>                               | No                  |
| <b>Max. cable length to lamp/LED module</b>   | 3.0 m <sup>1)</sup> |
| <b>Suitable for fixtures with prot. class</b> | I                   |
| <b>Type of connection, input side</b>         | Cables              |
| <b>Type of connection, output side</b>        | Cables              |
| <b>Number of channels</b>                     | 1                   |
| <b>Overheating protection</b>                 | Yes                 |
| <b>Overload protection</b>                    | Yes                 |
| <b>Short-circuit protection</b>               | Yes                 |
| <b>Intended for no-load operation</b>         | No                  |
| <b>No-load proof</b>                          | Yes                 |

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

## Certificates & standards

|                                  |  |
|----------------------------------|--|
| <b>Approval marks – approval</b> | CE / CCC / TISI / RCM  |
| <b>Standards</b>                 | Acc. to IEC 61347-1 / Acc. to IEC 61347-2-13 / Acc. to EN 55015 / Acc. to EN 61547 / Acc. to EN 61000-2-2 / Acc. to EN 61000-3-2 / Acc. to EN 60598-1 / Acc. to EN 62384 |
| <b>Type of protection</b>        | IP66/IP67  |

## Logistical data

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

## Environmental information

| <b>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)</b> |               |
|--|---------------|
| <b>Date of Declaration</b>   | 24-05-2024    |
| <b>Primary Article Identifier</b>  | 4062172085601 |
| <b>Declaration No. in SCIP database</b>                                      | In work       |
| <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.

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## Download Data

| File                   |     |                                       |
|------------------------|-----|---------------------------------------|
| Product Datasheet      | PDF | ▶ Datasheet - OT FIT 150_220-240_24_P |
| Mandatory Publications | PDF | ▶ OT FIT 24 P CE 4153816 04 310723    |



## Logistical Data

| Product code  | Product description     | Packaging unit (Pieces/Unit)     | Dimensions (length x width x height) | Volume                | Gross weight |
|---------------|-------------------------|----------------------------------|--------------------------------------|-----------------------|--------------|
| 4062172085601 | OT FIT 150/220-240/24 P | Shipping carton box<br>15 Pieces | 349 x 284 x 153 mm                   | 15.16 dm <sup>3</sup> | 650.07 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.