

## OT FIT 35/220...240/350 D CS L

OPTOTRONIC FIT D CS L | Linear / Area Constant Current – Non dimmable



### Product family features

- Supply voltage: 220...240 V
- Line frequency: 50 Hz | 60 Hz
- Line voltage: 198...264 V
- Safety and performance according to IEC 61347-1, IEC 61347-2-13, IEC 62384
- RI suppression according to CISPR 15
- Line harmonics according to IEC 61000-3-2
- Immunity according to IEC 61547
- Lifetime: up to 100,000 h (temperature at  $T_c = -10\text{ }^\circ\text{C}$ , max. 10 % failure rate)
- Non-isolated drivers

### Product family benefits

- Versatile scope of application due to output power range of up to 65 W
- Safety requirement due to overload, overtemperature, short-circuit protection
- High efficiency
- User flexibility with four different output currents from one driver

### Areas of application

- Linear and area lighting
- Office, industrial and shop lighting
- Suitable for luminaires of protection class I

## Technical data

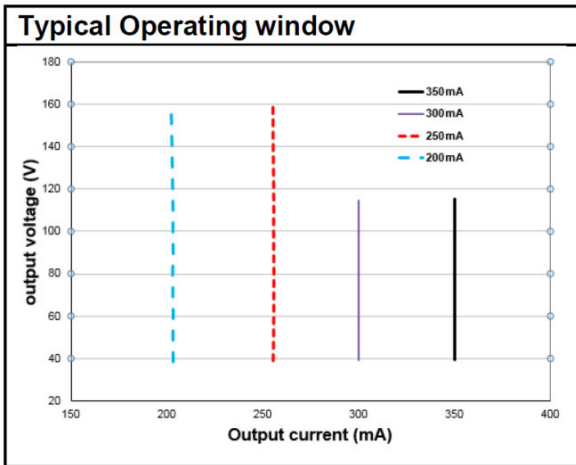
### Electrical data

|                                          |                                     |
|------------------------------------------|-------------------------------------|
| Nominal input voltage                    | 220...240 V                         |
| Mains frequency                          | 50/60 Hz                            |
| Input voltage AC                         | 220...240 V                         |
| Current set                              | DipSwitch                           |
| Power factor $\lambda$                   | 0.98                                |
| Efficiency in full-load                  | 91 % <sup>1)</sup>                  |
| Device power loss                        | 4.0 W                               |
| Inrush current                           | 30 A <sup>2)</sup>                  |
| Max. ECG no. on circuit breaker 10 A (B) | 12                                  |
| Max. ECG no. on circuit breaker 10 A (C) | 20                                  |
| Max. ECG no. on circuit breaker 16 A (B) | 19                                  |
| Max. ECG no. on circuit breaker 16 A (C) | 32                                  |
| Surge capability (L/N-Ground)            | 2 kV                                |
| Surge capability (L-N)                   | 1 kV                                |
| Nominal output voltage                   | 40...160 / 40...115 V <sup>3)</sup> |
| Nominal output current                   | 200 / 250 / 300 / 350 mA            |
| Output ripple current (100 Hz)           | < 4 %                               |
| Output PSTLM                             | $\leq 1$                            |
| Output SVM                               | $\leq 0.4$                          |
| Nominal output power                     | 8...40.3 W                          |
| Maximum output power                     | 40.3 W                              |

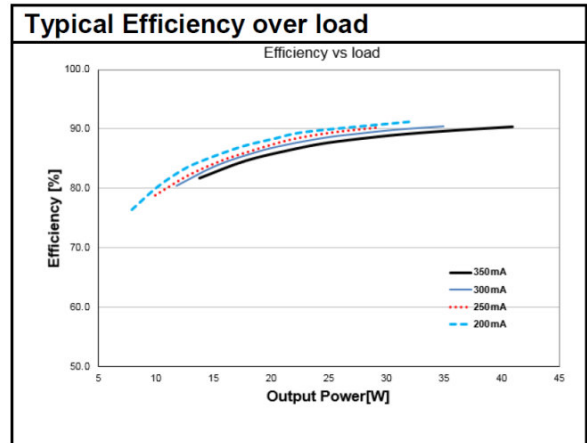
<sup>1)</sup> at 230 V, 50 Hz

<sup>2)</sup> At 200  $\mu$ s

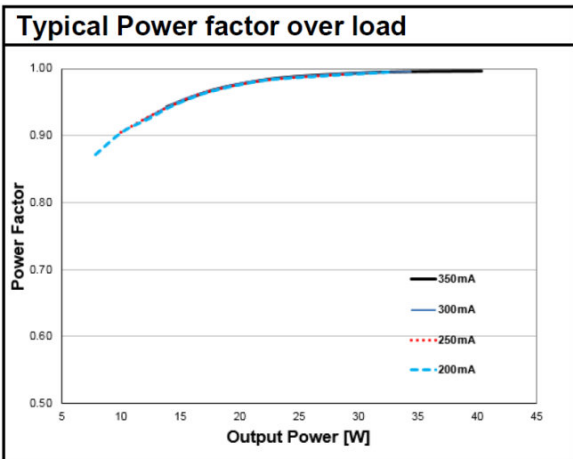
<sup>3)</sup> At 200/250 mA output current / At 300/350 mA output current



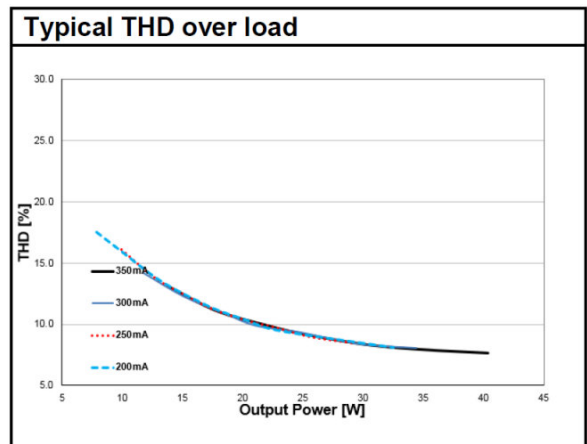
OT FIT 35220-240350 D CS L Operating Window



OT FIT 35220-240350 D CS L Typical Efficiency vs. Load (230 V 50 Hz)



OT FIT 35220-240350 D CS L Typical Power Factor vs. Load



OT FIT 35220-240350 D CS L Typical THD Vs Load

## Dimensions & weight



|                                            |                                           |
|--------------------------------------------|-------------------------------------------|
| <b>Mounting hole spacing, length</b>       | 200.0 mm                                  |
| <b>Product weight</b>                      | 125.00 g                                  |
| <b>Cable cross-section, input side</b>     | 0.5...1.5 / 0.75...1.5 mm <sup>2 1)</sup> |
| <b>Cable cross-section, output side</b>    | 0.5...1.5 / 0.75...1.5 mm <sup>2 1)</sup> |
| <b>Wire preparation length, input side</b> | 8.5...9.5 mm                              |
| <b>Length</b>                              | 210.0 mm                                  |
| <b>Width</b>                               | 30.0 mm                                   |
| <b>Height</b>                              | 21.0 mm                                   |

<sup>1)</sup> Solid / Flexible

## Temperatures & operating conditions

|                                                 |                        |
|-------------------------------------------------|------------------------|
| <b>Ambient temperature range</b>                | -25...+50 °C           |
| <b>Maximum temperature at tc test point</b>     | 75 °C                  |
| <b>Max.housing temperature in case of fault</b> | 110 °C                 |
| <b>Temperature range at storage</b>             | -25...80 °C            |
| <b>Permitted rel. humidity during operation</b> | 5...85 % <sup>1)</sup> |

<sup>1)</sup> Maximum 56 days/year at 85 %

## Lifespan

|                     |                                |
|---------------------|--------------------------------|
| <b>ECG lifetime</b> | 50000 / 100000 h <sup>1)</sup> |
|---------------------|--------------------------------|

<sup>1)</sup> At maximum  $T_c = 75^\circ\text{C}$  / 10% failure rate / At  $T_c = 65^\circ\text{C}$  / 10% failure rate

## Capabilities

|                                 |                      |
|---------------------------------|----------------------|
| <b>Dimmable</b>                 | No                   |
| <b>Overheating protection</b>   | Automatic reversible |
| <b>Overload protection</b>      | Automatic reversible |
| <b>Short-circuit protection</b> | Automatic reversible |
| <b>No-load proof</b>            | Yes                  |

## Product datasheet

|                                        |                     |
|----------------------------------------|---------------------|
| Intended for no-load operation         | No                  |
| Max. cable length to lamp/LED module   | 2.0 m <sup>1)</sup> |
| Suitable for fixtures with prot. class | I                   |
| Number of channels                     | 1                   |

<sup>1)</sup> Output wires must be routed as close as possible to each other

### Programming

|                    |           |
|--------------------|-----------|
| Programming device | DIPswitch |
|--------------------|-----------|

### Certificates & standards

|                           |                                                                                                                            |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Approval marks – approval | CE / ENEC 05 / EAC / CCC / BIS / RCM                                                                                       |
| Standards                 | Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547 |
| Type of protection        | IP20                                                                                                                       |

### Logistical data





|                |              |
|----------------|--------------|
| Commodity code | 850440829000 |
|----------------|--------------|

### Environmental information

#### Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

|                                  |                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------|
| Date of Declaration              | 14-04-2022                                                                                         |
| Primary Article Identifier       | 4052899531437                                                                                      |
| Candidate List Substance 1       | Lead                                                                                               |
| CAS No. of substance 1           | 7439-92-1                                                                                          |
| Safe Use Instruction             | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| Declaration No. in SCIP database | 2efda6a5-9309-4e66-8263-67d67409c423                                                               |

### Download Data

| File                                                                                |                                                                                                                      |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
|  | User instruction<br>OPTOTRONIC LED Power Supply                                                                      |
|  | Certificates<br>CB certificate OT FIT 35 65 75 D CS L                                                                |
|  | Certificates<br>ENEC certificate_OT FIT 18220-240350 CS L AP, OT FIT 35220-240350 D CS L, OT FIT 65220-240350 D CS L |
|  | Declarations of conformity<br>OT FIT D CS L CE 3572543 150222                                                        |

## Product datasheet



Declarations of conformity  
OT FIT D CS L UK DoC 4294836 150222



CAD data 3-dim  
CAD data\_OT FIT 18220-240350 CS L AP,OT FIT 35220-240350 D CS L, OT FIT 65220-240350 D CS L



CAD data PDF  
CAD data PDF\_OT FIT 18220-240350 CS L AP, OT FIT 35220-240350 D CS L, OT FIT 65220-240350 D CS L

### 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.

### Logistical Data

| Product code  | Product description               | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume               | Gross weight |
|---------------|-----------------------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4052899531437 | OT FIT 35/220...240/350<br>D CS L | Shipping carton box<br>20    | 234 mm x 161 mm x 101 mm             | 3.81 dm <sup>3</sup> | 2665.00 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.