

## OPTOTRONIC Phase-cut OT FIT

Compact constant current LED driver – Dimmable



### Product family features

- Cable clamp housing for independent mounting
- Dimmable on the leading edge and trailing edge
- Housing for independent installation

### Product family benefits

- Compatible with the most common leading-edge and trailing-edge phase dimmers
- Flexible current setting (DIPswitch – 2 to 4 currents)
- Flicker-free dimming
- Higher quality of light thanks to < 5% output ripple current



## Product family datasheet

---

### Areas of application

- Decorative illumination
- Downlights, flat luminaires
- Hospitality
- Living areas
- Museums, residential buildings
- Offices
- Shop lighting
- Suitable for indoor SELV installations
- Suitable for luminaires of protection class I and II

# Product family datasheet

## Technical data

| Product description              | Electrical data       |                 |                           |                           |                        |                         |
|----------------------------------|-----------------------|-----------------|---------------------------|---------------------------|------------------------|-------------------------|
|                                  | Nominal input voltage | Mains frequency | Input voltage AC          | Total harmonic distortion | Power factor $\lambda$ | Efficiency in full-load |
| OT FIT 8/220...240/180 CS PC     | 220...240 V           | 50/60 Hz        | 198...264 V <sup>1)</sup> | < 20 %                    | > 0.95 <sup>2)</sup>   | 80 % <sup>3)</sup>      |
| OT FIT 8/220...240/180 CS PC SC  | 220...240 V           | 50/60 Hz        | 198...264 V <sup>1)</sup> | < 20 %                    | > 0.95 <sup>2)</sup>   | 80 % <sup>3)</sup>      |
| OT FIT 18/220...240/450 CS PC    | 220...240 V           | 50/60 Hz        | 198...264 V <sup>1)</sup> | < 20 %                    | > 0.95 <sup>2)</sup>   | > 82 % <sup>3)</sup>    |
| OT FIT 18/220...240/450 CS PC SC | 220...240 V           | 50/60 Hz        | 198...264 V <sup>1)</sup> | < 20 %                    | > 0.95 <sup>2)</sup>   | > 82 % <sup>3)</sup>    |
| OT FIT 30/220...240/700 CS PC    | 220...240 V           | 50...60 Hz      | 198...264 V               | < 20 %                    | > 0.90                 | 84 % <sup>3)</sup>      |
| OT FIT 40/220...240/1A0 CS PC    | 220...240 V           | 50/60 Hz        | 198...264 V               | < 20 %                    | > 0.95                 | 85 % <sup>3)</sup>      |
| OT FIT 40/220...240/1A0 CS PC SC | 220...240 V           | 50/60 Hz        | 198...264 V               | < 20 %                    | > 0.95                 | 85 % <sup>3)</sup>      |

| Product description              | Device power loss    | Protective conductor current | Inrush current       | Max. ECG no. on circuit breaker 10 A (B) | Max. ECG no. on circuit breaker 10 A (C) | Max. ECG no. on circuit breaker 16 A (B) |
|----------------------------------|----------------------|------------------------------|----------------------|--|--|--|
| OT FIT 8/220...240/180 CS PC     | 1.8 W <sup>4)</sup>  | <0.7 mA                      | < 10 A <sup>5)</sup> | 80                                       | 132                                      | 128                                      |
| OT FIT 8/220...240/180 CS PC SC  | 1.8 W <sup>4)</sup>  | <0.7 mA                      | < 10 A <sup>5)</sup> | 80                                       | 132                                      | 128                                      |
| OT FIT 18/220...240/450 CS PC    | 4.0 W <sup>4)</sup>  | <0.7 mA                      | < 10 A <sup>5)</sup> | 33                                       | 55                                       | 53                                       |
| OT FIT 18/220...240/450 CS PC SC | 4.0 W <sup>4)</sup>  | <0.7 mA                      | < 10 A <sup>5)</sup> | 33                                       | 55                                       | 53                                       |
| OT FIT 30/220...240/700 CS PC    | 5.0 W                | <0.7 mA                      | < 10 A               | 26                                       | 26                                       | 41                                       |
| OT FIT 40/220...240/1A0 CS PC    | 6.7 W <sup>18)</sup> | <0.7 mA                      | < 10 A <sup>5)</sup> | 18                                       | 18                                       | 28                                       |
| OT FIT 40/220...240/1A0 CS PC SC | 6.7 W                | <0.7 mA                      | < 10 A               | 18                                       | 18                                       | 28                                       |

| Product description              | Max. ECG no. on circuit breaker 16 A (C) | Max. ECG no. on circuit breaker 25 A (B) | Surge capability (L/N-Ground) | Surge capability (L-N) | Nominal output voltage  |
|----------------------------------|--|--|-------------------------------|------------------------|-------------------------|
| OT FIT 8/220...240/180 CS PC     | 212                                      | -  | 2 kV                          | 1 kV                   | 27...40 V <sup>6)</sup> |
| OT FIT 8/220...240/180 CS PC SC  | 212                                      | -  | 2 kV                          | 1 kV                   | 27...40 V <sup>6)</sup> |
| OT FIT 18/220...240/450 CS PC    | 88                                       | -  | 2 kV                          | 1 kV                   | 27...40 V <sup>6)</sup> |
| OT FIT 18/220...240/450 CS PC SC | 88                                       | -  | 2 kV                          | 1 kV                   | 27...40 V <sup>6)</sup> |
| OT FIT 30/220...240/700 CS PC    | 41                                       | -  | 2 kV                          | 1 kV                   | 27...40 V               |
| OT FIT 40/220...240/1A0 CS PC    | 28                                       | -  | 2 kV                          | 1 kV                   | 27...40 V               |
| OT FIT 40/220...240/1A0 CS PC SC | 28                                       | -  | 2 kV                          | 1 kV                   | 27...40 V               |

| Product description             | U-OUT (working voltage) | Nominal output current                 | Output current tolerance | Output ripple current (100 Hz) | Output PSTLM |
|---------------------------------|-------------------------|--|--------------------------|--------------------------------|--------------|
| OT FIT 8/220...240/180 CS PC    | 60 V                    | 100 / 120 / 155 / 180 mA <sup>7)</sup> | ±7.5 %                   | < 5 %                          | ≤1           |
| OT FIT 8/220...240/180 CS PC SC | 60 V                    | 100 / 120 / 155 / 180 mA <sup>7)</sup> | ±7.5 %                   | < 5 %                          | ≤1           |

## Product family datasheet

| Product description              | U-OUT (working voltage) | Nominal output current                 | Output current tolerance | Output ripple current (100 Hz) | Output PSTLM |
|----------------------------------|-------------------------|--|--------------------------|--------------------------------|--------------|
| OT FIT 18/220...240/450 CS PC    | 60 V                    | 225 / 325 / 350 / 450 mA <sup>7)</sup> | ±7.5 %                   | < 5 %                          | ≤1           |
| OT FIT 18/220...240/450 CS PC SC | 60 V                    | 225 / 325 / 350 / 450 mA <sup>7)</sup> | ±7.5 %                   | < 5 %                          | ≤1           |
| OT FIT 30/220...240/700 CS PC    | 60 V                    | 500 / 700 mA                           | ±10 %                    | < 5 %                          | ≤1           |
| OT FIT 40/220...240/1A0 CS PC    | 60 V                    | 800 / 900 / 950 / 1050 mA              | ±10 %                    | < 5 %                          | ≤1           |
| OT FIT 40/220...240/1A0 CS PC SC | 60 V                    | 800 / 900 / 950 / 1050 mA              | ±10 %                    | < 5 %                          | ≤1           |

| Product description              | Output SVM | Nominal output power | Maximum output power | Galvanic isolation |
|----------------------------------|------------|----------------------|----------------------|--------------------|
| OT FIT 8/220...240/180 CS PC     | ≤0.4       | 7.2 W <sup>8)</sup>  | 7.2 W                | SELV               |
| OT FIT 8/220...240/180 CS PC SC  | ≤0.4       | 7.2 W <sup>8)</sup>  | 7.2 W                | SELV               |
| OT FIT 18/220...240/450 CS PC    | ≤0.4       | 18 W <sup>14)</sup>  | 18 W                 | SELV               |
| OT FIT 18/220...240/450 CS PC SC | ≤0.4       | 18 W <sup>14)</sup>  | 18 W                 | SELV               |
| OT FIT 30/220...240/700 CS PC    | ≤0.4       | 13.5...28 W          | 28 W                 | SELV               |
| OT FIT 40/220...240/1A0 CS PC    | ≤0.4       | 21.6...42 W          | 42 W                 | SELV               |
| OT FIT 40/220...240/1A0 CS PC SC | ≤0.4       | 21.6...42 W          | 42 W                 | SELV               |

| Product description              | Galvanic isolation primary/secondary | Current set | Dimensions & weight |  |  |
|----------------------------------|--------------------------------------|-------------|---------------------|--|--|
|                                  |                                      |             | Product weight      | Cable cross-section, input side          | Cable cross-section, output side         |
| OT FIT 8/220...240/180 CS PC     | 3.75 kV                              |             | 59.20 g             | 0.75...1.5 mm <sup>2</sup> <sup>9)</sup> | 0.75...1.5 mm <sup>2</sup> <sup>9)</sup> |
| OT FIT 8/220...240/180 CS PC SC  | 3.75 kV                              |             | 59.20 g             | 0.75...1.5 mm <sup>2</sup> <sup>9)</sup> | 0.75...1.5 mm <sup>2</sup> <sup>9)</sup> |
| OT FIT 18/220...240/450 CS PC    | 3.75 kV                              |             | 77.70 g             | 0.75...1.5 mm <sup>2</sup> <sup>9)</sup> | 0.75...1.5 mm <sup>2</sup> <sup>9)</sup> |
| OT FIT 18/220...240/450 CS PC SC | 3.75 kV                              |             | 77.70 g             | 0.75...1.5 mm <sup>2</sup> <sup>9)</sup> | 0.75...1.5 mm <sup>2</sup> <sup>9)</sup> |
| OT FIT 30/220...240/700 CS PC    |                                      | DipSwitch   | 109.00 g            | 0.5...1.5 mm <sup>2</sup>                | 0.5...1.5 mm <sup>2</sup>                |
| OT FIT 40/220...240/1A0 CS PC    |                                      | DipSwitch   | 130.00 g            | 0.5...1.5 mm <sup>2</sup>                | 0.5...1.5 mm <sup>2</sup>                |
| OT FIT 40/220...240/1A0 CS PC SC |                                      | DipSwitch   | 130.00 g            | 0.5...1.5 mm <sup>2</sup>                | 0.5...1.5 mm <sup>2</sup>                |

| Product description             | Wire preparation length, input side | Wire preparation length, output side | Length  | Height  | Width   |
|---------------------------------|-------------------------------------|--------------------------------------|---------|---------|---------|
| OT FIT 8/220...240/180 CS PC    | 5...6 mm                            | 5...6 mm                             | 95.0 mm | 22.0 mm | 50.0 mm |
| OT FIT 8/220...240/180 CS PC SC | 5...6 mm                            | 5...6 mm                             | 95.0 mm | 22.0 mm | 50.0 mm |
| OT FIT 18/220...240/450 CS PC   | 5...6 mm                            | 5...6 mm                             | 95.0 mm | 22.0 mm | 50.0 mm |

## Product family datasheet

| Product description              | Wire preparation length, input side | Wire preparation length, output side | Length   | Height  | Width   |
|----------------------------------|-------------------------------------|--------------------------------------|----------|---------|---------|
| OT FIT 18/220...240/450 CS PC SC | 5...6 mm                            | 5...6 mm                             | 95.0 mm  | 22.0 mm | 50.0 mm |
| OT FIT 30/220...240/700 CS PC    | 7...8 mm                            | 7...8 mm                             | 95.0 mm  | 30.0 mm | 53.0 mm |
| OT FIT 40/220...240/1A0 CS PC    | 9.0...10.0 mm                       | 9.0...10.0 mm                        | 108.0 mm | 22.0 mm | 67.0 mm |
| OT FIT 40/220...240/1A0 CS PC SC | 9.0...10.0 mm                       | 9.0...10.0 mm                        | 108.0 mm | 22.0 mm | 67.0 mm |

| Product description              | Mounting hole spacing, length | Mounting hole spacing, width | Colors & materials | Temperatures & operating conditions |                                      |
|----------------------------------|-------------------------------|------------------------------|--------------------|-------------------------------------|--------------------------------------|
|                                  |                               |                              | Casing material    | Ambient temperature range           | Maximum temperature at tc test point |
| OT FIT 8/220...240/180 CS PC     |                               |                              | Plastic            | -20...+50 °C                        | 70 °C <sup>10)</sup>                 |
| OT FIT 8/220...240/180 CS PC SC  |                               |                              | Plastic            | -20...+50 °C                        | 70 °C <sup>10)</sup>                 |
| OT FIT 18/220...240/450 CS PC    |                               |                              | Plastic            | -20...+50 °C                        | 80 °C <sup>10)</sup>                 |
| OT FIT 18/220...240/450 CS PC SC |                               |                              | Plastic            | -20...+50 °C                        | 80 °C <sup>10)</sup>                 |
| OT FIT 30/220...240/700 CS PC    |                               |                              | Plastic            | -20...+50 °C                        | 75 °C                                |
| OT FIT 40/220...240/1A0 CS PC    | 99.0 mm                       | 58.0 mm                      | Plastic            | -20...+50 °C                        | 80 °C                                |
| OT FIT 40/220...240/1A0 CS PC SC | 99.0 mm                       | 58.0 mm                      | Plastic            | -20...+50 °C                        | 80 °C                                |

| Product description              | Max.housing temperature in case of fault | Temperature range at storage | Permitted rel. humidity during operation | Lifespan                       | Capabilities |
|----------------------------------|--|------------------------------|--|--------------------------------|--------------|
|                                  |  |                              |  | ECG lifetime                   | Dimmable     |
| OT FIT 8/220...240/180 CS PC     | 110 °C                                   | -20...80 °C                  | 5...85 % <sup>11)</sup>                  | 30000 / 50000 h <sup>12)</sup> | Yes          |
| OT FIT 8/220...240/180 CS PC SC  | 110 °C                                   | -20...80 °C                  | 5...85 % <sup>11)</sup>                  | 30000 / 50000 h <sup>12)</sup> | Yes          |
| OT FIT 18/220...240/450 CS PC    | 110 °C                                   | -20...80 °C                  | 5...85 % <sup>11)</sup>                  | 30000 / 50000 h <sup>15)</sup> | Yes          |
| OT FIT 18/220...240/450 CS PC SC | 110 °C                                   | -20...80 °C                  | 5...85 % <sup>11)</sup>                  | 30000 / 50000 h <sup>15)</sup> | Yes          |
| OT FIT 30/220...240/700 CS PC    | 110 °C                                   | -40...+85 °C                 | 5...85 % <sup>16)</sup>                  | 35000 / 50000 h <sup>17)</sup> | Yes          |
| OT FIT 40/220...240/1A0 CS PC    | 110 °C                                   | -20...80 °C                  | 5...85 % <sup>11)</sup>                  | 35000 / 50000 h <sup>15)</sup> | Yes          |
| OT FIT 40/220...240/1A0 CS PC SC | 110 °C                                   | -40...+85 °C                 | 5...85 % <sup>16)</sup>                  | 35000 / 50000 h <sup>15)</sup> | Yes          |

| Product description              | Dimming interface        | Dimming range | Dimming method       | Overheating protection |
|----------------------------------|--------------------------|---------------|----------------------|------------------------|
| OT FIT 8/220...240/180 CS PC     | Phase Cut <sup>13)</sup> | 5...100 %     | Amplitude Modulation | Automatic reversible   |
| OT FIT 8/220...240/180 CS PC SC  | Phase Cut <sup>13)</sup> | 5...100 %     | Amplitude Modulation | Automatic reversible   |
| OT FIT 18/220...240/450 CS PC    | Phase Cut <sup>13)</sup> | 5...100 %     | Amplitude Modulation | Automatic reversible   |
| OT FIT 18/220...240/450 CS PC SC | Phase Cut <sup>13)</sup> | 5...100 %     | Amplitude Modulation | Automatic reversible   |
| OT FIT 30/220...240/700 CS PC    | Phase Cut <sup>13)</sup> | 5...100 %     | Amplitude Modulation | Automatic reversible   |

## Product family datasheet

| Product description              | Dimming interface        | Dimming range | Dimming method       | Overheating protection |
|----------------------------------|--------------------------|---------------|----------------------|------------------------|
| OT FIT 40/220...240/1A0 CS PC    | Phase Cut <sup>13)</sup> | 5...100 %     | Amplitude Modulation | Automatic reversible   |
| OT FIT 40/220...240/1A0 CS PC SC | Phase Cut <sup>13)</sup> | 5...100 %     | Amplitude Modulation | Automatic reversible   |

| Product description              | Overload protection  | Short-circuit protection | No-load proof | Intended for no-load operation |
|----------------------------------|----------------------|--------------------------|---------------|--------------------------------|
| OT FIT 8/220...240/180 CS PC     | Automatic reversible | Automatic reversible     | Yes           | No                             |
| OT FIT 8/220...240/180 CS PC SC  | Automatic reversible | Automatic reversible     | Yes           | No                             |
| OT FIT 18/220...240/450 CS PC    | Automatic reversible | Automatic reversible     | Yes           | No                             |
| OT FIT 18/220...240/450 CS PC SC | Automatic reversible | Automatic reversible     | Yes           | No                             |
| OT FIT 30/220...240/700 CS PC    | Automatic reversible | Automatic reversible     | Yes           | No                             |
| OT FIT 40/220...240/1A0 CS PC    | Automatic reversible | Automatic reversible     | Yes           | No                             |
| OT FIT 40/220...240/1A0 CS PC SC | Automatic reversible | Automatic reversible     | Yes           | No                             |

| Product description              | Max. cable length to lamp/LED module | Suitable for fixtures with prot. class | Type of connection, input side | Type of connection, output side |
|----------------------------------|--------------------------------------|--|--------------------------------|---------------------------------|
| OT FIT 8/220...240/180 CS PC     | 2.0 m                                | I / II                                 | Push terminal                  | Push terminal                   |
| OT FIT 8/220...240/180 CS PC SC  | 2.0 m                                | I / II                                 | Screw terminal                 | Screw terminal                  |
| OT FIT 18/220...240/450 CS PC    | 2.0 m                                | I / II                                 | Push terminal                  | Push terminal                   |
| OT FIT 18/220...240/450 CS PC SC | 2.0 m                                | I / II                                 | Screw terminal                 | Screw terminal                  |
| OT FIT 30/220...240/700 CS PC    | 2.0 m                                | I / II                                 | Push terminal                  | Push terminal                   |
| OT FIT 40/220...240/1A0 CS PC    | 2.0 m                                | I / II                                 | Push terminal                  | Push terminal                   |
| OT FIT 40/220...240/1A0 CS PC SC | 2.0 m                                | I / II                                 | Screw terminal                 | Screw terminal                  |

| Product description              | Number of channels | Control interface | Detection angle (Light sensor) | Detection angle (PIR) |
|----------------------------------|--------------------|-------------------|--------------------------------|-----------------------|
| OT FIT 8/220...240/180 CS PC     | 1                  |                   |                                |                       |
| OT FIT 8/220...240/180 CS PC SC  | 1                  |                   |                                |                       |
| OT FIT 18/220...240/450 CS PC    | 1                  |                   |                                |                       |
| OT FIT 18/220...240/450 CS PC SC | 1                  |                   |                                |                       |
| OT FIT 30/220...240/700 CS PC    | 1                  | -                 | -                              | -                     |
| OT FIT 40/220...240/1A0 CS PC    | 1                  | -                 | -                              | -                     |
| OT FIT 40/220...240/1A0 CS PC SC | 1                  |                   |                                |                       |

## Product family datasheet

| Product description              | Programming        | Certificates & standards    |   |                  |
|----------------------------------|--------------------|-----------------------------|---|------------------|
|                                  | Programming device | Approval marks – approval   | Standards   | Protection class |
| OT FIT 8/220...240/180 CS PC     | DIPswitch          | CE / CCC / ENEC / EAC / RCM | 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 | II               |
| OT FIT 8/220...240/180 CS PC SC  | DIPswitch          | CE / CCC / ENEC / EAC / RCM | 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 | II               |
| OT FIT 18/220...240/450 CS PC    | DIPswitch          | CE / CCC / ENEC / EAC / RCM | 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 | II               |
| OT FIT 18/220...240/450 CS PC SC | DIPswitch          | CE / CCC / ENEC / EAC / RCM | 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 | II               |
| OT FIT 30/220...240/700 CS PC    |                    | CE                          | Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 6100-4-5/Acc. to IEC 61547                   | II               |
| OT FIT 40/220...240/1A0 CS PC    | DIPswitch          | CE                          | Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 61547/Acc. to IEC 61000-3-3                  | II               |
| OT FIT 40/220...240/1A0 CS PC SC | DIPswitch          | CE / ENEC / EAC             | Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 61547/Acc. to IEC 61000-3-3                  | II               |

| Product description              | Type of protection | Logistical data | Environmental information |                            |
|----------------------------------|--------------------|-----------------|---------------------------|----------------------------|
|                                  |                    | Commodity code  | Date of Declaration       | Primary Article Identifier |
| OT FIT 8/220...240/180 CS PC     | IP20               | 850440829000    | 23-12-2021                | 4062172007535              |
| OT FIT 8/220...240/180 CS PC SC  | IP20               | 850440829000    | 23-12-2021                | 4062172088688              |
| OT FIT 18/220...240/450 CS PC    | IP20               | 850440829000    | 23-12-2021                | 4062172007559              |
| OT FIT 18/220...240/450 CS PC SC | IP20               | 850440829000    | 11-01-2022                | 4062172088701              |
| OT FIT 30/220...240/700 CS PC    | IP20               | 850440829000    | 23-12-2021                | 4052899617308              |
| OT FIT 40/220...240/1A0 CS PC    | IP20               | 850440829000    | 23-12-2021                | 4052899617261              |

## Product family datasheet

| Product description              | Type of protection | Logistical data |                     | Environmental information  |  |
|----------------------------------|--------------------|-----------------|---------------------|----------------------------|--|
|                                  |                    | Commodity code  | Date of Declaration | Primary Article Identifier |  |
| OT FIT 40/220...240/1A0 CS PC SC | IP20               | 850440829000    | 23-12-2021          | 4062172131438              |  |

| Product description              | Candidate List Substance 1 | CAS No. of substance 1 | Safe Use Instruction   | Declaration No. in SCIP database     |
|----------------------------------|----------------------------|------------------------|--|--------------------------------------|
| OT FIT 8/220...240/180 CS PC     | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 6e88ee0f-0c1e-40e4-bfd7-c3d9050d2382 |
| OT FIT 8/220...240/180 CS PC SC  | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 3a953d03-ba72-4326-affa-1d2ce3ff480b |
| OT FIT 18/220...240/450 CS PC    | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 196525cf-849b-4e12-bb01-416d431b479c |
| OT FIT 18/220...240/450 CS PC SC | Lead                       | 7439-92-1              |  | In work                              |
| OT FIT 30/220...240/700 CS PC    | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 00aeb078-3fc4-48c4-9b8b-7cb09fc44fa3 |
| OT FIT 40/220...240/1A0 CS PC    | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 12e69ac2-65a4-4005-adc2-91d141c4a2b2 |
| OT FIT 40/220...240/1A0 CS PC SC | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 623cd8f8-d809-4335-8171-2fd3f3b48b86 |

1) Permitted voltage range

2) Full load at 230 V/Minimum load at 230 V

3) at 230 V, 50 Hz

4) Maximum

5)  $t_{width} = 100 \mu s$  (measured at 50 %  $I_{peak}$ )

6) Maximum 60 V

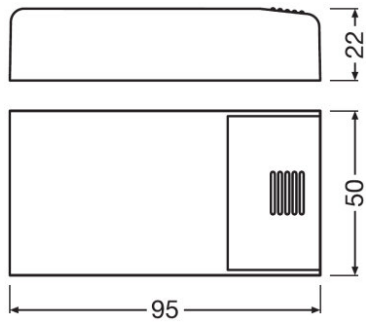
7)  $\pm 7.5\%$

8) Partial load 2.7...7.2W

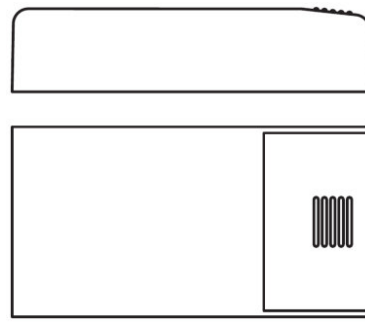
## Product family datasheet

- 9) Flexible
- 10) Maximum at the  $T_c$ -point
- 11) Non-condensing
- 12) At  $T_{\text{case}} = 70^\circ\text{C}$  at  $T_c$  point / 10% failure rate
- 13) Leading edge
- 14) Partial load 6.1...18W
- 15) At maximum  $T_c = 80^\circ\text{C}$  / 10% failure rate
- 16) Maximum 56 days/year at 85 %
- 17) At  $T_{\text{case}} = 75^\circ\text{C}$  at  $T_c$  point / 10% failure rate
- 18) At Full load, 230 V, 50 Hz

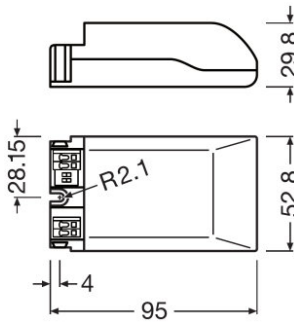
Product family datasheet



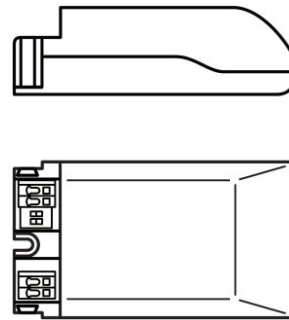
Line Drawing of OT FIT 818 PC CS



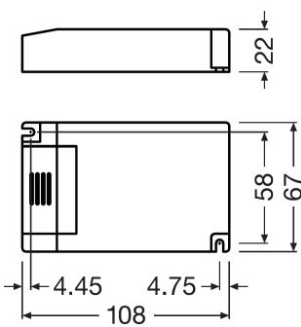
Line Drawing of OT FIT 818 PC CS



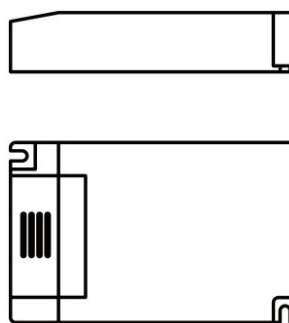
Line drawing of OT FIT 30220-240700 CS PC



Line drawing of OT FIT 30220-240700 CS PC



Line drawing of OT FIT 40220-2401A0 CS PC



Line drawing of OT FIT 40220-2401A0 CS PC

## Product family datasheet

---

### Application advice

For more detailed application information and graphics please see product datasheet.

---

### Sales and Technical Support






Sales and Technical Support [www.osram.com](http://www.osram.com)

---

### Download Data

|   | File   |
|---|--|
|    | User instruction<br>OPTOTRONIC LED Power Supply                  |
|    | User instruction<br>OPTOTRONIC LED Power Supply                  |
|    | Addon Technical Information<br>OT FIT 8 PC CS DL 270120          |
|   | Certificates<br>OT FIT CS PC ENEC 35 110400 110221               |
|  | Certificates<br>OT FIT CS PC CCC 2019171002002702 110221         |
|  | Declarations of conformity<br>OT FIT CS PC CE 3789414 190821     |
|  | Declarations of conformity<br>OT FIT CS PC UK DoC 4290101 180221 |
|  | CAD data<br>OT FIT 8 18 CS PC STEP 160620                        |
|  | Addon Technical Information<br>OT FIT 18 PC CS DL 270120         |
|  | User instruction<br>OPTOTRONIC LED Power Supply                  |
|  | Addon Technical Information<br>OT FIT 30 PC CS DL 181120         |
|  | Certificates<br>OT FIT 30 CS PC NSW28276 110221                  |
|  | Certificates<br>OT FIT 30 CS PC CCC 2020171002003110 110221      |
|  | Certificates<br>OT FIT 30 CS PC CCC 2020171002003109 110221      |
|  | Certificates<br>OT FIT 30 CS PC ENEC 35 112936 110221            |
|  | User instruction<br>OPTOTRONIC LED Power Supply                  |

## Product family datasheet

|   |  |
|---|--|
|  | Addon Technical Information<br>OT FIT 40 PC CS DL 181120 |
|  | Certificates<br>OT FIT 40 CS PC ENEC 35 114114 110221    |
|  | CAD data<br>OT FIT 40 CS PC STEP 290621                  |
|  | CAD data 3-dim<br>OT FIT 40 CS PC CAD3PDF 290621         |
|  | User instruction<br>OPTOTRONIC LED Power Supply          |

### 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 |
|---------------|-------------------------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4062172007535 | OT FIT 8/220...240/180<br>CS PC     | Shipping carton box<br>20    | 264 mm x 202 mm x 64 mm              | 3.41 dm <sup>3</sup> | 1185.00 g    |
| 4062172088688 | OT FIT 8/220...240/180<br>CS PC SC  | Shipping carton box<br>20    | 264 mm x 202 mm x 64 mm              | 3.41 dm <sup>3</sup> | 1185.00 g    |
| 4062172007559 | OT FIT 18/220...240/450<br>CS PC    | Shipping carton box<br>20    | 264 mm x 202 mm x 64 mm              | 3.41 dm <sup>3</sup> | 1555.00 g    |
| 4062172088701 | OT FIT 18/220...240/450<br>CS PC SC | Shipping carton box<br>20    | 264 mm x 202 mm x 64 mm              | 3.41 dm <sup>3</sup> | 1555.00 g    |
| 4052899617308 | OT FIT 30/220...240/700<br>CS PC    | Shipping carton box<br>20    | 284 mm x 207 mm x 100 mm             | 5.88 dm <sup>3</sup> | 2458.00 g    |
| 4052899617261 | OT FIT 40/220...240/1A0<br>CS PC    | Shipping carton box<br>20    | 347 mm x 228 mm x 64 mm              | 5.06 dm <sup>3</sup> | 2762.00 g    |
| 4062172131438 | OT FIT 40/220...240/1A0<br>CS PC SC | Shipping carton box<br>20    | 347 mm x 228 mm x 64 mm              | 5.06 dm <sup>3</sup> | 2762.00 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.

## Product family datasheet

---

### Accessories Optional

| Product description           | Accessory name         | Accessory code  |
|-------------------------------|------------------------|-----------------|
| OT FIT 30/220...240/700 CS PC | OT CABLE CLAMP E-STYLE | ▶ 4052899167896 |

---

### Disclaimer

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