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OT Wi 100/220-240/750 D NFC CA L

OPTOTRONIC Wireless Intelligent – Casambi NFC L (non-isolated) | Linear constant current LED driver – Dimmable

Product family features

- CRP Casambi Ready Product
- Supply voltage: 220...240 V
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Line voltage: 198...264 V
- Lifetime: up to 100,000 h
- Type of protection: IP20
- Non-isolated drivers



Product family benefits

- Versatile Casambi window driver up to 100 W and 750 mA
- Fully programmable via software (NFC)
- Very high efficiency
- High-quality dimming of 1...100 % (amplitude and/or PWM selectable by software)
- Higher quality of light thanks to < 1% output ripple current
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection

Areas of application

- Linear lighting for office, education, industry, storage areas and retail
- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J
- Suitable for indoor non-isolated installations
- Suitable for luminaires of protection class I

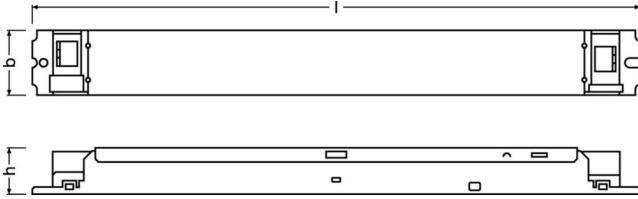
Technical data

Electrical data

| | |
|--|----------------------|
| Nominal input voltage | 220...240 V |
| Mains frequency | 0/50/60 Hz |
| Input voltage AC | 198...264 V |
| Input voltage DC | 176...276 V |
| Total harmonic distortion | ≤ 10 % |
| Power factor λ | 0.39C...0.99 |
| Efficiency in full-load | 94 % |
| Networked standby power | 0.22 W ¹⁾ |
| Inrush current | ≤ 36 A |
| Max. ECG no. on circuit breaker 10 A (B) | 13 |
| Max. ECG no. on circuit breaker 16 A (B) | 21 |
| Surge capability (L-N) | 1 kV |
| Surge capability (L/N-Ground) | 2 kV |
| Protective conductor current | 0.21 mA |
| Nominal output voltage | 54...260 V |
| U-OUT (working voltage) | < 270 V |
| Nominal output current | 100...750 mA |
| Default output current | 100 mA |
| Output current tolerance | ±3 % |
| Output ripple current (100 Hz) | < 1 % |
| Output PSTLM | <1 |
| Output SVM | <0.4 |
| Nominal output power | 5.4...100 W |
| Maximum output power | 100 W |
| Wireless protocol | Casambi Evolution |

1) at 230 V, 50 Hz

Dimensions & weight



| | |
|--------------------------------------|---------------------------|
| Product weight | 212.00 g |
| Length | 280.0 mm |
| Width | 30.0 mm |
| Height | 21.0 mm |
| Mounting hole spacing, length | 270.0 mm |
| Cable cross-section, input side | 0.5...1.5 mm ² |
| Cable cross-section, output side | 0.5...1.5 mm ² |
| Wire preparation length, input side | 8.0...9.0 mm |
| Wire preparation length, output side | 8.0...9.0 mm |

Colors & materials

| | |
|-----------------|-------|
| Casing material | Metal |
|-----------------|-------|

Temperatures & operating conditions

| | |
|--|------------------------|
| Ambient temperature range | -25...+50 °C |
| Maximum temperature at tc test point | 75 °C |
| Max.housing temperature in case of fault | 110 °C |
| Temperature range at storage | -40...+85 °C |
| Permitted rel. humidity during operation | 5...85 % ¹⁾ |

1) Maximum 56 days/year at 85 %

Lifespan

| | |
|--------------|----------|
| ECG lifetime | 100000 h |
|--------------|----------|

Additional product data

| | |
|--------------|----|
| Encapsulated | No |
|--------------|----|

Capabilities

| | |
|--|--------------------------------|
| Programming interface | NFC |
| Control interface | Casambi |
| Dimmable | Yes |
| Dimming interface | Casambi / Corridor / Touch DIM |
| Dimming range | 1...100 % |
| Dimming method | Amplitude Modulation |
| DALI-2 Diagnostic Data | not relevant |
| DALI-2 Energy Data | not relevant |
| Max. cable length to lamp/LED module | 2.0 m ¹⁾ |
| Suitable for fixtures with prot. class | I |
| Suitable for emergency lighting | Yes |
| Type of connection, input side | Push terminal |
| Type of connection, output side | Push terminal |
| Suitable for through-wiring | No |
| Number of channels | 1 |
| Overheating protection | Automatic reversible |
| Overload protection | Automatic reversible |
| Short-circuit protection | Automatic reversible |
| Intended for no-load operation | No |
| No-load proof | Yes |

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

Programming

| | |
|------------------------|-----------------------|
| Programming device | FEIG / NFC Programmer |
| Tuner4TRONIC | Yes |
| Tuner4TRONIC Field App | Yes |
| Box programming | Yes |

Programmable features

| | |
|-----------------------|--------------|
| DALI-2 Luminaire Data | not relevant |
|-----------------------|--------------|

Certificates & standards

| | |
|---------------------------|--|
| Approval marks – approval | CE / VDE-ENEC / RCM / CCC / BIS / EL |
| Standards | IEC 61347-1 / IEC 61347-2-13 / IEC 62384 / IEC 61000-3-2 / IEC 61000-3-3 / IEC 61547 |
| Type of protection | IP20 |

Logistical data

| | |
|----------------|-------------|
| Commodity code | 85044095900 |
|----------------|-------------|

Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) | |
|---|-------------------------------|
| Date of Declaration | 27-06-2025 |
| Primary Article Identifier | 4062172267472 6937186112033 |
| Declaration No. in SCIP database | In work |
| SCIP_STATUS | In work |
| SCIP_ID | |

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 ENEC 40038085 230824 |
| CAD data 2-dim | Compressed | ▶OT WI D NFC CA BL L CAD2PDF 130722 |
| CAD data 3-dim | Compressed | ▶OT WI D NFC CA BL L CAD3PDF 130722 |
| CAD data | Compressed | ▶OT WI D NFC CA BL L IGS 130722 |
| CAD data | Compressed | ▶OT WI D NFC CA BL L STEP 130722 |
| Mandatory Publications | PDF | ▶OT WI D NFC CA BL L CE 4378529 07 200125 |
| Mandatory Publications | PDF | ▶OT WI D NFC CA BL L UK DoC 4378531 03 180624 |
| User instruction | PDF | ▶UI OT WI D NFC CA L |

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|------------------------|-------------------------------------|----------------------------------|---|----------------------|--------------|
| 4062172267472 OSRAM | OT Wi 100/220-240/750 D NFC CA L | Shipping carton box 20 Pieces | 303 x 159 x 105 mm | 5.06 dm ³ | 218.35 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.