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

Specifications are subject to changes without notice.

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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

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Technical data

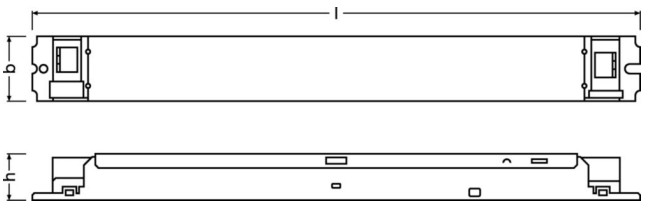
Electrical data

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

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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 mm²
Cable cross-section, output side	0.5…1.5 mm²
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 %

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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

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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	12-06-2026
Primary Article Identifier	4062172267472 | 6937186112033
Declaration No. in SCIP database	In work
SCIP_STATUS	In work
SCIP_ID	

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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		
Certificates	PDF	►CED OT Wi xx D NFC yy L family 2025-01
Certificates	PDF	►VDE ENEC certificate 40038085
CAD data 2-dim	PDF	►OPTOTRONIC Wireless Intelligent – QBM NFC L (non-isolated) | 2-dim PDF
CAD data 3-dim	PDF	►OPTOTRONIC Wireless Intelligent – QBM NFC L (non-isolated) | 3-dim PDF
CAD data	UNKNOWN	►OPTOTRONIC Wireless Intelligent – QBM NFC L (non-isolated) | IGS
CAD data	UNKNOWN	►OPTOTRONIC Wireless Intelligent – QBM NFC L (non-isolated) | STEP
Mandatory Publications	PDF	►OT Wi D NFC CA BL L CE 4378529 07 200125
User instruction	PDF	►UI OT Wi D NFC CA L

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Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6937186112033 INVENTRONICS	OT Wi 100/220-240/750 D NFC CA L	Shipping carton box 20 Pieces	303 x 159 x 105 mm	5.06 dm³	219.15 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.

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