OT WI 80/220-240/24 4CH CA

CV Power supplies 24 V with Bluetooth

Product family features

- 50, 80, 160 W / 24 V LED drivers, multichannel output
- Lighting wireless Bluetooth Mesh network
- Different light profiles to customize the application

Product family benefits

- Power supply and control of white, Tunable White, Tunable Warm White, Dim to Warm
- Power supply and control of RGB and RGBW LED modules (only 50 W and 80 w)
- Driver with integrated CASAMBI lighting control system
- Slim form factor for installation in light boxes
- No stroboscopic effect thanks to patented high PWM frequency management (> 2 kHz)

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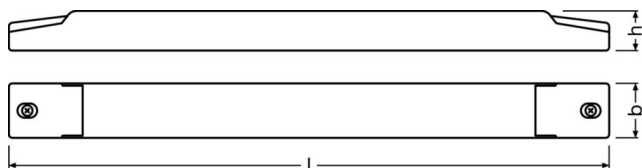
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Areas of application

- Suitable for indoor installations
- Shops and hospitality: retail, hotels, restaurants
- Museums, residential buildings

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Technical data

Electrical data

Nominal input voltage	220…240 V
Mains frequency	50/60 Hz
Input voltage AC	198…264 V
Input voltage DC	176…276 V
Total harmonic distortion	< 5 %
Power factor λ	0.95…0.99
Efficiency in full-load	93 %
Device power loss	6.0 W
Inrush current	46 A
Max. ECG no. on circuit breaker 10 A (B)	9
Max. ECG no. on circuit breaker 16 A (B)	15
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	24.2 V
U-OUT (working voltage)	24.2 V
Output ripple current (100 Hz)	< 1 %
Output PSTLM	<1
Output SVM	<0.4
Nominal output power	80 W
Maximum output power	80 W
Galvanic isolation	SELV
Wireless protocol	Casambi

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Dimensions & weight

Length	346.0 mm
Width	32.0 mm
Height	22.0 mm
Mounting hole spacing, length	303.0 mm
Cable cross-section, input side	0.75…2.5 mm²
Cable cross-section, output side	0.2…1.5 mm²
Wire preparation length, input side	6.0 mm
Wire preparation length, output side	6.0 mm
Product weight	191.00 g

Colors & materials

Casing material	Plastic
Product color	White

Temperatures & operating conditions

Ambient temperature range	-20…+45 °C
Maximum temperature at tc test point	80 °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	50000 k, Tc MAX h

Capabilities

Programming interface	CASAMBI
Dimmable	Yes
Dimming interface	Bluetooth CASAMBI
Dimming range	0.4…100 %
Dimming method	PWM
Max. cable length to lamp/LED module	50 m [1]
Suitable for fixtures with prot. class	I / II
Suitable for emergency lighting	No
Type of connection, input side	Screw terminal
Type of connection, output side	Screw terminal
Suitable for through-wiring	Yes
Number of channels	4
Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes
Intended for no-load operation	No

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

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Certificates & standards

Approval marks – approval	CE / ENEC 10 / UKCA / RCM / VDE / VDE-ENEC
Standards	IEC/EN 61347-1 / IEC 62384 / IEC 61347-2-13 / IEC 61000-3-2 / IEC 61000-3-3 / IEC 61547 / CISPR 15/EN 55015
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	12-03-2025
Primary Article Identifier	4052899632059 | 6937186115171
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.

Specifications are subject to changes without notice.

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Download Data

File		
Product Datasheet	PDF	▶ OT Wi 50 80 24 4CH CA TDS 080424
Certificates	PDF	▶ OT VDE ENEC 40050684 290125
Mandatory Publications	PDF	▶ OT WI 24 4CH CA CE 4511161 02 200125
User instruction	PDF	▶ UI OPTOTRONIC® LED Power Supply

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Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899632059	OT WI 80/220-240/24 4CH CA	Shipping carton box 20 Pieces	370 x 170 x 113 mm	7.11 dm³	199.90 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.