

PRODUCT DATASHEET

OTI BLE 80/220...240/24 1...4 CH

CV Power supplies 24 V with Bluetooth | CV Power supplies 24 V with Bluetooth



Areas of application

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

Product 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
- Driver with integrated CASAMBI lighting control system
- Slim form factor for installation in light boxes

Product features

- 80 W/24 V LED driver, 1–4 channels
- Power metering on the app interface
- Lighting wireless Bluetooth Mesh network, up to 127 devices
- Different light profiles to customize the application
- 2 KHz PWM control unit

TECHNICAL DATA

Electrical data

Nominal wattage	80.00 W
Nominal output power	80 W
Nominal voltage	220...240 V
Nominal output voltage	24 V
Input voltage AC	198...264 V
Input voltage DC	176...276 V
U-OUT (working voltage)	24.2 V
Inrush current	48 A
Mains frequency	50/60 Hz
Total harmonic distortion	< 5 %
Power factor λ	0.98
ECG efficiency	93 %
Max. ECG no. on circuit breaker 10 A (B)	7
Max. ECG no. on circuit breaker 16 A (B)	11
Max. ECG no. on circuit breaker 25 A (B)	17
Surge capability (L-N)	1 kV
Galvanic isolation	SELV
Operating frequency	50/60 Hz
Power loss in stand-by mode	< 0.5 W

Dimensions & Weight



Length	346.00 mm
Mounting hole spacing, length	303 mm
Width	32.00 mm
Height	22.00 mm
Cable cross-section, input side	0,5...2,5 mm ²
Cable cross-section, output side	0.2...1.5 mm ²
Wire preparation length, input side	6,0 mm
Wire preparation length, output side	5,0 mm
Product weight	191.00 g

Colors & materials

Casing material	Plastic
Body material	Plastic

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	80 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h
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Additional product data

Encapsulated	Yes
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Capabilities

Dimmable	Yes
Dimming interface	Bluetooth CASAMBI
Dimming range	0.4...100 %
Overheating protection	Reversible
Overload protection	Reversible
No-load proof	Yes
Short-circuit protection	Reversible
Suitable for fixtures with prot. class	I / II
Type of connection, output side	Screw terminal

Certificates & Standards

Approval marks – approval	VDE / RCM / EAC
Standards	CE / ENEC
Protection class	II
Type of protection	IP20







LOGISTICAL DATA

Temperature range at storage	-40...+85 °C
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Energy labelling regulation data acc EU 2019/2015

Networked standby power for CLS	< 0.50 W
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DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	OPTOTRONIC® LED Power Supply
	Declarations of conformity	OTi BLE 80 24 9C1 3793600 (EN)
	Certificates	OTi BLE 80 CB DE1 63484 280420
	Certificates	OT outdoor ENEC 40050684 100220
	Certificates	OTi BLE 80 220 240 24 1 4CH NSW 28218 270120
	EU Data Act	Connected Products and Related Software and Services

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4062172046558	Unpacked 1		191.00 g	
4062172046565	Shipping box 20	370 mm x 170 mm x 116 mm	3998.00 g	7.30 dm ³

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.