OSRAM

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

CV Power supplies 24V with Bluetooth

Areas of application

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

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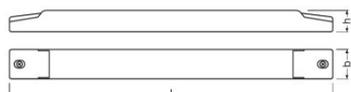
Product family features

- 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

Product datasheet

Electrical data

Nominal input voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V
Total harmonic distortion	< 5 %
Power factor λ	0.98
ECG efficiency	93 %
Device power loss	-
Power loss in stand-by mode	<0.5 W
Inrush current	48 A
Max. ECG no. on circuit breaker 10 A (B)	7
Max. ECG no. on circuit breaker 10 A (C)	7
Max. ECG no. on circuit breaker 16 A (B)	11
Max. ECG no. on circuit breaker 16 A (C)	11
Max. ECG no. on circuit breaker 25 A (B)	17
Surge capability (L/N-Ground)	-
Surge capability (L-N)	1 kV
Nominal output voltage	24 V
U-OUT (working voltage)	24.2 V
Nominal output power	86 W
Galvanic isolation	SELV
Galvanic isolation primary/secondary	3.75 kV
Input voltage DC	176...276 V
Output PWM frequency	2k Hz
Output ripple Voltage (100 Hz)	< 5 %

Dimensions & weight

Mounting hole spacing, length	303 mm
Product weight	191.00 g
Cable cross-section, input side	0.5...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	5.0 mm
Mounting hole spacing, width	0 mm
Length	0.0 mm

Colors & materials

Casing 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
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	50000 h

Additional product data

Encapsulated	Yes

Capabilities

Dimmable	Yes
Dimming interface	Bluetooth CASAMBI
Dimming range	0.4...100 %
Dimming method	Pulse Width Modulation
Overheating protection	Reversible
Overload protection	Reversible
Short-circuit protection	Reversible
No-load proof	Yes
Suitable for fixtures with prot. class	I / II
Type of connection, output side	Screw terminal
Number of channels	4

Product datasheet

Certificates & standards

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

Logistical data

Commodity code	850440829000

Download Data

	File
📄	User instruction OPTOTRONIC LED Power Supply
📄	Declarations of conformity OTi BLE 80 24 9C1 3793600 (EN)

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172046558	OTI BLE 80/220...240/24 1...4 CH	Shipping carton box 20	370 mm x 170 mm x 116 mm	7.30 dm³	4034.00 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.

Disclaimer

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