

## CV Power supplies 24 V 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 family datasheet

### Technical data

#### Electrical data

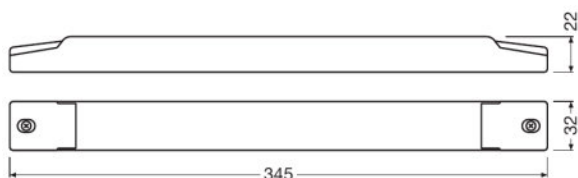
Product description	Nominal input voltage	Mains frequency	Input voltage AC	Total harmonic distortion	Power factor $\lambda$	ECG efficiency
OTI BLE 80/220...240/24 1...4 CH	220...240 V	50/60 Hz	198...264 V	< 5 %	0.98	93 %
Product description	Device power loss	Power loss in stand-by mode	Inrush current	Max. ECG no. on circuit breaker 10 A (B)	Max. ECG no. on circuit breaker 10 A (C)	Max. ECG no. on circuit breaker 16 A (C)
OTI BLE 80/220...240/24 1...4 CH	-	<0.5 W	48 A	7	7	11
Product description	Max. ECG no. on circuit breaker 16 A (B)	Max. ECG no. on circuit breaker 25 A (B)	Surge capability (L/N-Ground)	Surge capability (L-N)		
OTI BLE 80/220...240/24 1...4 CH	11	17	-	1 kV		
Product description	Nominal output voltage	U-OUT (working voltage)	Nominal output power	Galvanic isolation		
OTI BLE 80/220...240/24 1...4 CH	24 V	24.2 V	80 W	SELV		
Product description	Galvanic isolation primary/secondary	Output ripple Voltage (100 Hz)	Output PWM frequency			
OTI BLE 80/220...240/24 1...4 CH	3.75 kV	< 5 %	2k Hz			
Product description	Input voltage DC					
OTI BLE 80/220...240/24 1...4 CH	176...276 V					

#### Dimensions & weight

Product description	Mounting hole spacing, length	Product weight	Cable cross-section, input side	Cable cross-section, output side	Wire preparation length, input side
OTI BLE 80/220...240/24 1...4 CH	303 mm	191.00 g	0.5...2.5 mm <sup>2</sup>	0.2...1.5 mm <sup>2</sup>	6.0 mm
Product description	Wire preparation length, output side	Mounting hole spacing, width	Width	Length	Height
OTI BLE 80/220...240/24 1...4 CH	5.0 mm	0 mm	32.0 mm	346.0 mm	22.0 mm

## Product family datasheet

### Product line drawing



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

### Colors & materials

Product description	Casing material
OTI BLE 80/220...240/24 1...4 CH	Plastic

### Temperatures & operating conditions

Product description	Ambient temperature range	Maximum temperature at tc test point	Max.housing temperature in case of fault	Temperature range at storage
OTI BLE 80/220...240/24 1...4 CH	-20...+45 °C	80 °C	110 °C	-40...+85 °C

Product description	Permitted rel. humidity during operation
OTI BLE 80/220...240/24 1...4 CH	5...85 % <sup>1)</sup>

<sup>1)</sup> Maximum 56 days/year at 85 %

### Lifespan

Product description	ECG lifetime
OTI BLE 80/220...240/24 1...4 CH	50000 h

## Product family datasheet

### Additional product data

Product description	Encapsulated
OTI BLE 80/220...240/24 1...4 CH	Yes

### Capabilities

Product description	Dimmable	Dimming interface	Dimming range	Dimming method
OTI BLE 80/220...240/24 1...4 CH	Yes	Bluetooth CASAMBI	0.4...100 %	Pulse Width Modulation

Product description	Overheating protection	Overload protection	Short-circuit protection	No-load proof
OTI BLE 80/220...240/24 1...4 CH	Reversible	Reversible	Reversible	Yes

Product description	Suitable for fixtures with prot. class	Type of connection, output side	Number of channels
OTI BLE 80/220...240/24 1...4 CH	I / II	Screw terminal	4

### Certificates & standards

Product description	Approval marks – approval	Standards	Protection class	Type of protection
OTI BLE 80/220...240/24 1...4 CH	VDE / RCM / EAC	CE/ENEC	II	IP20

### Logistical data

Product description	Commodity code
OTI BLE 80/220...240/24 1...4 CH	850440829000


### Application advice

For more detailed application information and graphics please see product datasheet.  
Attention: Only compatible for devices up to ANDROID 9









### Sales and Technical Support

Sales and Technical Support [www.osram.com](http://www.osram.com)

### Download Data

File
 User instruction OPTOTRONIC LED Power Supply

## Product family datasheet

	Product Datasheet Technical datasheet OTI BLE 80220-24024 1-4CH (EN)
	Product Datasheet OTi BLE 80 220 240 24 1 CH DS 300420 (EN)
	Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)
	Certificates OT ENEC 40050684 060520
	Certificates OTi BLE 80 220 240 24 1 4CH NSW 28218 270120
	Certificates OTi BLE 80 CB DE1 63484 280420
	Declarations of conformity OTi BLE 80 24 9C1 3793600 (EN)
	CAD data 3-dim OTI BLE 80 3D STEP file

### 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 dm <sup>3</sup>	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.

### Accessories Optional

Product description	Accessory name	Accessory code
OTI BLE 80/220...240/24 1...4 CH	EASYFIT EWSDb by EnOcean	▶ 4062172082044
OTI BLE 80/220...240/24 1...4 CH	EASYFIT EWSSb by EnOcean	▶ 4062172082068

### Disclaimer

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