

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

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

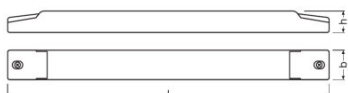
Product datasheet

Technical data

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 | 80 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



Product datasheet

| | |
|--------------------------------------|---------------------------|
| Mounting hole spacing, length | 303 mm |
| Product weight | 191.00 g |
| 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 |
| Mounting hole spacing, width | 0 mm |
| Length | 346.0 mm |
| Width | 32.0 mm |
| Height | 22.0 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 |

Product datasheet

| | |
|--------------------|---|
| Number of channels | 4 |
|--------------------|---|










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 |
|  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 ³ | 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.

Product datasheet

Disclaimer

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