# PRODUCT DATASHEET
# OTi DALI 50/220-240/24 4CHDT6/8

CV Power supplies with DALI | CV Power supplies with DALI



## Areas of application

- Cove lighting, wall washer, corridor, handrail, luminous ceilings
- Suitable for use in luminaires of protection class I and II

## Product benefits

- Intelligent power matching thanks to Smart power supply
- Slim form factor for mounting on the cove or in linear luminaires
- No stroboscopic effect thanks to patented high PWM frequency management (> 2 kHz)
- Suitable for installation in emergency lighting systems according to EN 60598-2-22
- Available as single-channel or multi-channel with DT6 and DT8 in one device
- DALI message detection "LED Module failure"
- IP rating: IP20

## Product features

- Dimmable via Touch DIM
- LED driver whose output power can be shared arbitrarily among the 2 or 4 channels
- Dimming range: 0.1…100 %
- Line frequency: 0 Hz | 50 Hz | 60 Hz


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# TECHNICAL DATA

## Electrical data

| | |
|---|---|
| Nominal wattage | 50.00 W |
| Nominal output power | 50 W |
| Nominal voltage | 220…240 V |
| Nominal output voltage | 24 V [1)] |
| Input voltage AC | 198…264 V |
| Input voltage DC | 176…276 V |
| U-OUT (working voltage) | 24.2 V |
| Inrush current | 41 A |
| Mains frequency | 50…60 Hz |
| Maximum total harmonic distortion | < 5 % |
| Power factor λ | 0.95 |
| Device power loss | 4.4 W |
| Max. ECG no. on circuit breaker 10 A (B) | 22 |
| Max. ECG no. on circuit breaker 16 A (B) | 36 |
| Max. ECG no. on circuit breaker 25 A (B) | 33 |
| Surge capability (L-N) | 1 kV |
| Galvanic isolation | SELV |

1) DC voltage

## Dimensions & Weight

| | |
|---|---|
| Length | 346.00 mm |
| Mounting hole spacing, length | 300.6 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 | 5…10 mm |
| Wire preparation length, output side | 4…6 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 | 70 °C |


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| | |
|---|---|
| Max.housing temperature in case of fault | 115 °C |
| Permitted rel. humidity during operation | 5…85 % [1)] |

1) Maximum 56 days/year at 85 %

## Lifespan

| | |
|---|---|
| ECG lifetime | 50000 h |

## Capabilities

| | |
|---|---|
| Dimmable | Yes |
| Dimming interface | DALI-2 |
| Dimming range | 0.1…100 % |
| Overheating protection | Automatic reversible |
| Overload protection | Automatic reversible |
| No-load proof | Yes |
| Short-circuit protection | Automatic reversible |
| Suitable for fixtures with prot. class | I / II |
| Type of connection, output side | Screw terminal |

## Certificates & Standards

| | |
|---|---|
| Approval marks – approval | BIS / CCC / CE / EAC / EL / ENEC 10 / RCM / VDE / VDE-ENEC |
| Standards | Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 61547 / Acc. to EN 61000-3-2 / Acc. to EN 62384 / Acc. to EN 60598-2-22 / Acc. to EN 62386 / Acc. to EN 55015 |
| Protection class | II |
| Type of protection | IP20 |

## LOGISTICAL DATA

| | |
|---|---|
| Temperature range at storage | -40…+85 °C |

## Energy labelling regulation data acc EU 2019/2015

| | |
|---|---|
| Networked standby power for CLS | 0.50 W |

## EQUIPMENT / ACCESSORIES

– Suitable for 24 V LED modules

## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | User instruction / safety instructions | 18695645 OPTOTRONIC LED Power Supply |
| PDF | Declarations of conformity | OTI DALI 50 80 160 -220-240-24 4CHDT6-8 |


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| | Documents and certificates | Document name |
|---|---|---|
| PDF | Declarations of conformity UKCA | OTI DALI 50 80 160 -220-240-24 4CHDT6-8 |
| PDF | Certificates | OT ENEC 40050684 060421 |
| PDF | Certificates | IT DALI 1CH 4CH DT6 DT8 CB DE1 64778 070421 |
| PDF | Certificates | OT EMC 40038482 220421 |
| PDF | 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 |
|---|---|---|---|---|
| 4062172177900 | Unpacked<br>1 | | | |
| 4062172177917 | Shipping box<br>20 | 370 mm x 170 mm x 113 mm | 3998.00 g | 7.11 $dm^3$ |

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

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