


# DynaVision Programmable Xtreme for CDO

## HID-DV PROG Xt 250 CDO C2 208-277V

Highly reliable and flexible electronic drivers for CDO lamps; designed to save on energy costs via integrated controls and to reduce maintenance costs thanks to 80,000 hour lifetime and integrated lightning protection. The DynaVision Programmable product family is the perfect basis for any sort of lighting management solution.

## Product data

### • General Information

| | |
|---|---|
| Type Version | Not specified |
| Lamp Type | CDO |
| Number Of Lamps | 1 piece/unit |
| Number Of Products On MCB (16A Type B) (Nom) | 11 |
| Default Lamp Selected | CDO250 |
| Automatic Restart | Yes |

### • Operating and Electrical

| | |
|---|---|
| Input Voltage | 208-240-277 V |
| Input Frequency | 50 to 60 Hz |
| Minimum Mains Voltage Operation (Min) | 172 V |
| Operating Frequency (Nom) | 0.20 kHz |
| Power Factor 100% Load (Nom) | 0.99 |
| Ignition Voltage (Max) | 5 kV |
| Ignition Switch-Off Time (Max) | 20 min |
| Mains Voltage Performance (AC) | 188-305V |
| Mains Voltage Safety (AC) | 160-305V |
| Power Factor 50% Load (Min) | 0.98 |
| Earth Leakage Current (Max) | 0.7 mA |
| Output Peak Voltage (Max) | 250 V |
| Inrush Current Width | 4 ms |
| Standby Power Consumption (Max) | 0.8 W |
| Lamp Power Tolerance | -3%/+3% |
| Input Current (Nom) | 1.32 A |
| Inrush Current Peak (Nom) | 4 A |

### • Wiring

| | |
|---|---|
| Cable Capacity | 300 pF |
| Output Wires Mutual (Nom) | |
| Cable Length From Device To Lamp | 3 m |
| Wire Striplength | 10.0-11.0 mm |
| Ballast Contact Wire Cross Section | 0.50-2.50 mm² |
| Connector Type | WAGO series 804 |

### • System characteristics

| | |
|---|---|
| Rated Ballast-Lamp Power | 250 W |
| Rated Lamp Power On CDO | 250 W |
| System Power On CDO | 272 W |
| Lamp Power On CDO | 250 W |
| Power Loss On CDO | 22 W |
| Power Loss On CDO While Dimming | 12 W |

PHILIPS

# DynaVision Programmable Xtreme for CDO

- Temperature

| | |
|---|---|
| T-Ambient (Max) | 50 °C |
| T-Ambient (Min) | -30 °C |
| T-Storage (Max) | 50 °C |
| T-Storage (Min) | -30 °C |
| T-Case Lifetime (Nom) | 80 °C |
| T-Case Switch Off (Min) | 92 °C |

- Controls and Dimming

| | |
|---|---|
| Control Interface | PROG |
| Programmable Lamp Settings | SON250/CDO250/CDMe210 |
| Pre-Set Integrated Controls | Dali |
| Programmable Dimming Options | ALO/CLO/Dynadim/Lineswitch/ AmpDim |
| Run-Up Time Before Dimming | 5 min |
| Fade Down Rate | 0.54 %/sec |
| Fade Up Rate | 8.33 %/sec |
| Regulating Level | 50%-100% |

- Mechanical and Housing

| | |
|---|---|
| Housing | C2 |

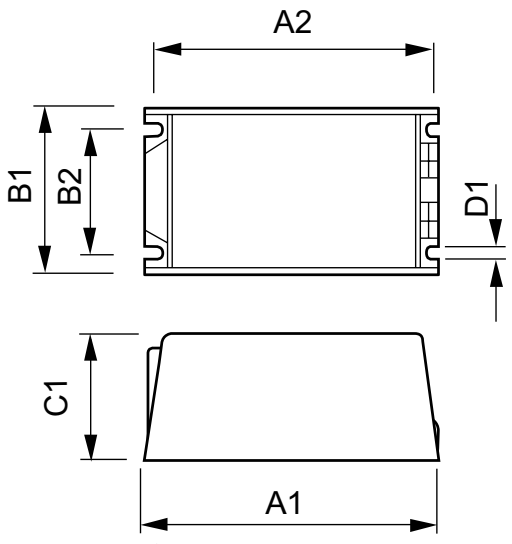
- Approval and Application

| | |
|---|---|
| Surge Protection (Common/Differential) | EN61547 (L-L 2kV, L-G 4kV), 10kV TIL kV |
| IP Classification Luminaire | 34 |
| Active Temperature Protection | Yes |
| EMI 9 kHz ... 300 MHz | CISPR 15 ed 7.2 |
| EMI 30 MHz ... 1000 MHz | Not specified |
| Safety Standard | IEC 607, 609, 926, 928 [ No Standard for HID Lamp drivers exists. Requirements in these standards to be used if considered relevant for the product.] |
| Quality Standard | ISO 9000:2000 |
| Environmental Standard | ISO 14001 |
| Harmonic Current Emission Standard | IEC 61000-3-2 |
| Vibration Standard | IEC 68-2-6 Fc (10-150Hz, 5G) |
| Bumps Standard | IEC 68-2-29 Eb (10G/16ms) |
| Humidity Standard | EN 61347-2-12 clause 11 |
| Approval Marks | F-Marking<br>CE marking<br>ENEC certificate<br>VDE-EMV certificate |
| Hum And Noise Level | < 30 dB(A) |

- Product Data

| | |
|---|---|
| Full product code | 871829122261300 |
| Order product name | HID-DV PROG Xt 250 CDO C2 208-277V |
| EAN/UPC - Product | 8718291222613 |
| Order code | 913700679666 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 6 |
| Material Nr. (12NC) | 913700679666 |
| Net Weight (Piece) | 1.420 kg |

## Dimensional drawing

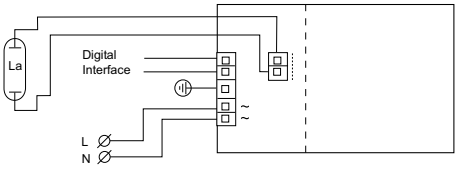



HID-DV Prog & DALI Xt

### HID-DV PROG Xt 250 CDO C2 208-277V

| Product | D1 | C1 | A1 | A2 | B1 | B2 |
|---|---|---|---|---|---|---|
| HID-DV PROG Xt 250 CDO C2 208-277V | 4.8 mm | 58.0 mm | 169.0 mm | 156.0 mm | 100.0 mm | 81.5 mm |

## Dimensional drawing




HID-DV DALI & PROG Xt CDO

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data subject to change