



PrimaVision Xtreme for SON

PV Xt Q 100W SON

Highly reliable electronic drivers for SON lamps designed for saving energy via better light efficiency compared to magnetic drivers and for saving on maintenance costs thanks to a lifetime of up to 80.000 hours and the integrated lightning protection.

Product data

| General information | |
|--|---------------|
| Lamp Type | SON |
| Number of Lamps | 1 piece/unit |
| Suitable For Outdoor Use | Yes |
| Number of Products on MCB (16A Type B) (Nom) | 5 |
| Default Lamp Selected | SON100 |
| 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) | 0.40 kHz |
| Power Factor 100% Load (Nom) | 0.99 |
| Ignition Voltage (Max) | 5 kV |
| Ignition Switch-Off Time (Nom) | 20 min |
| Mains Voltage Performance (AC) | 188-305V |
| Mains Voltage Safety (AC) | 160-305V |
| Earth Leakage Current (Max) | 0.7 mA |
| Output Peak Voltage (Max) | 250 V |

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| Inrush Current Width | 0.47 ms |
| Lamp Power Tolerance | -3%/+3% |
| Input Current (Nom) | 0.53 A |
| Inrush Current Peak (Max) | 52 A |
| Efficiency at full load [%] | 91.51 % |

Wiring

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|--|---------------------------|
| Cable Capacity Output Wires Mutual (Nom) | 1000 pF |
| Cable Length From Device to Lamp | 10 m |
| Wire Striplength | 10.0-11.0 mm |
| Ballast Contact Wire Cross Section | 0.50-2.50 mm ² |
| Connector Type | WAGO series 804 |

System characteristics

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|---------------------------------|-------|
| Rated Ballast-Lamp Power | 100 W |
| Rated Lamp Power on Son | 100 W |
| System Power on Son | 106 W |
| Lamp Power on Son | 98 W |
| Power Loss on Son | 8 W |
| Power Loss on Son While Dimming | 5 W |

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Temperature

| | |
|-------------------------|--------|
| T-Ambient (Max) | 55 °C |
| T-Ambient (Min) | -30 °C |
| T-Storage (Max) | 55 °C |
| T-Storage (Min) | -30 °C |
| T-Case Lifetime (Nom) | 80 °C |
| T-Case Switch Off (Min) | 92 °C |

Controls and dimming

| | |
|------------------------------|------------------------|
| Programmable Lamp Settings | None |
| Pre-Set Integrated Controls | None |
| Programmable Dimming Options | None |
| Control Input Protection | Yes (Basic insulation) |
| Regulating Level | - |

Mechanical and housing

| | |
|---------|---|
| Housing | Q |
|---------|---|

Approval and application

| | |
|--|---|
| Surge Protection (Common/Differential) | EN61547 (L-L 2kV, L-G 4kV), 10 kV TIL |
| IP Classification Luminaire | 34 |
| Active Temperature Protection | Yes |
| EMI 9 kHz ... 300 MHz | CISPR 15 ed 7.2 |
| EMI 30 MHz ... 1000 MHz | CISPR15 Edition 7.2 |
| Safety Standard | IEC 607, 609, 926, 928 [No Standard for HID Lamp drivers exists. Requirements in |

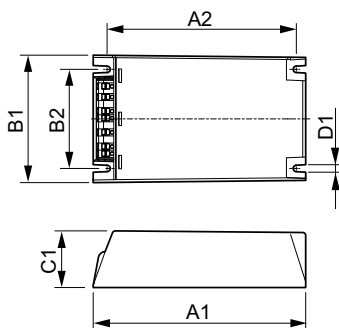
these standards to be used if considered relevant for the product.]

| | |
|------------------------------------|--|
| 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, 2G) |
| Bumps Standard | IEC 68-2-29 Eb (10G/16ms) |
| Humidity Standard | EN 61347-2-12 clause 11 |
| Approval Marks | F-Marking CE marking ENEC certificate VDE-EMV certificate |
| Hum And Noise Level | < 30 dB(A) |

Product data

| | |
|---------------------------------|------------------|
| Full product code | 871829169880700 |
| Order product name | PV Xt Q 100W SON |
| EAN/UPC - Product | 8718291698807 |
| Order code | 913700690666 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 12 |
| Material Nr. (12NC) | 913700690666 |
| Net Weight (Piece) | 0.820 kg |

Dimensional drawing



PV Xt Q 100W SON

| Product | D1 | C1 | A1 | A2 | B1 | B2 |
|------------------|--------|---------|----------|----------|---------|---------|
| PV Xt Q 100W SON | 4.5 mm | 40.0 mm | 150.0 mm | 133.6 mm | 90.0 mm | 70.0 mm |

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