

DESCRIPTION:

The Nightscaping® Lightning Protection Device (LPD) is a Type 1 device, designed for outdoor applications. Engineered for both AC and DC electric systems, it protects both magnetic and electronic power supplies and LED/Incandescent luminaires without interfering with the GFP protection circuit, it provides protection to service panels, load centers or where the LPD is directly connected to the electronic device(s) requiring protection.

Note: Maximum protection will only be achieved if the LPD is properly installed. Please read the LPD installation manual carefully and follow the instructions.

The Nightscaping® LPD provides maximum protection by reducing the clamping voltage to a safe voltage that your system can sustain without damaging any of the electrical components. Installing the Nightscaping® LPD will provide excellent protection and peace of mind for many years to come.



UL Standard For Safety, UL 1449 - Type 1
CSA C22.2 No. 8-M1986

Features:

- ETL Listed
- UL 1449 Type 1 Compliant
- 80 KA at 8/20 Pulse
- Waterproof
- Blue LED Indicator When "ON"
- 1/2" NPT Thread - Fits Standard Ground Stake
- Protects Unlimited Number Of Luminaires
- Proudly Designed & Made In Arlington, WA, USA

DANGER: Electrical shock or burn hazard. Installation of this LPD should only be done by qualified personnel. Failure to lockout electrical power during installation or maintenance can result in fatal electrocution or severe burns.

CAUTION: This unit must be installed in accordance with the National Electrical Code (ANSI/NFPA-70) and applicable local codes.

Other Features:

Nominal Voltage: 0 to 90VAC & 0 to 115VDC
MCOV VRMS @ 1mA: 180V (162-198)
Clamp V @ 100A Current 8/20 Pulse: 295V
Energy Absorbtion: 1120J (Full Device)
Operating Temperature: -40°C To +85°C
Nominal Discharge Current: 20kA
Thermal Disconnect: Internal
Response Time: <15n sec

CAUTION: Ungrounded power systems are inherently unstable and can allow excessively high line-to-ground voltages during certain fault conditions. During these fault conditions any electrical equipment, including an LPD, may be subjected to voltages which exceed their designed ratings. This information is being provided to the user so that an informed decision can be made before installing any electrical equipment on an ungrounded power system.

Please note Ground Rod Electrode (GRE) not included with NSPD. Refer to NEC code for length of GRE.

