

### TYPICAL RATINGS:

<b>Input voltage:</b>	See below
<b>Input current:</b>	6.0A in-rush (surpressed) and nominal
<b>Output:</b>	12v DC, 8 x 5.0ADC
<b>Operating Limits:</b>	-40°C to +50°C 90% relative humidity
<b>Weight:</b>	9.4 lbs.
<b>UL file, listing:</b>	E256806, cURus (UL recognized component), damp location
<b>RoHS compliant:</b>	yes

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### CATALOG NUMBER:

<u>SERIES</u>	<u>INPUT VOLTAGE</u>	<u>OUTPUT</u>
<b>500-12DC-DIM</b>	120vAC dimmable	12vDC, 8 x 60wDC
<b>500-12DC-DIM-220</b>	240vAC dimmable	12vDC, 8 x 60wDC
<b>500-12DC-DIM-277</b>	277vAC dimmable	12vDC, 8 x 60wDC

# PERMLIGHT

422 West Sixth St., Tustin, CA 92780  
Tel: (714) 508-0729 Fax: (714) 508-0920  
www.permlight.com

Revised: 4/2007  
<http://www.permlight.com/cutsheets/500-12DC.pdf>

## 500-12DC Series

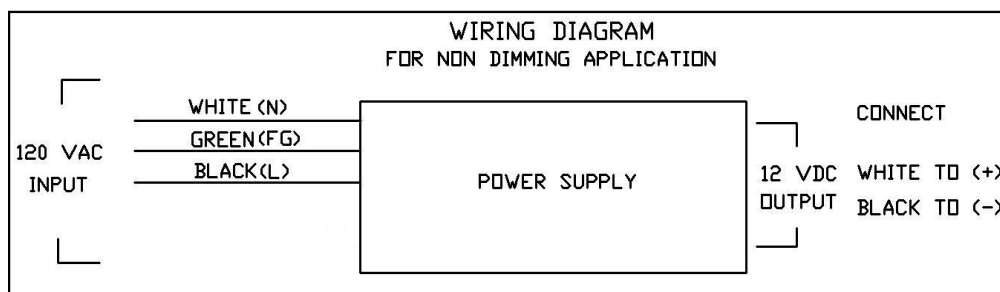
- 8 independent 60 Watt output channels, total 480 Watts
- Dimmable 120v, 240v and 277v Input Versions
- Output Overload and Short Circuit Protection
- Input suppression for in-rush current
- Compact aluminum housing with integral junction box
- Listed under Sign Accessories Manual (SAM)

**POWER, LOADING AND MOUNTING:** The 500-12DC series is designed specifically to provide constant 12VDC voltage for safe and long-term operation of Permlight modules. The case is not water-proof, therefore a water-proof container should be used if exposed to the elements. The 500-12DC is designed for exterior applications with primary side connections made within the integral junction box, eliminating the need for a separate junction box. The 500-12DC complies with UL Class 2 requirements that limit any power circuit (channel) to 5.0A maximum. The specification "cut sheet" for each Permlight module specifies the maximum number of modules which can be used with a specific Permlight power supply. The 500-12DC can be mounted inside of self-contained letters, race ways or coves using the mounting holes on the chassis

**DIMMING AND CONTROLS:** The 500-12DC series are line voltage dimmable, consult Permlight website for list of approved 3-wire, electronic low-voltage dimmers. The 500-12DC series is capable of instant on/off operation which means it is compatible with photocell and motion sensors.

**WARRANTY:** 5 years, see Permlight website for conditions. Warranty is applicable only if power supply is properly loaded with less than or equal to the maximum specified amount of Permlight approved modules or cove/linear products. Consult Permlight website, specification cut sheets or installation instructions for additional information.

### WIRING DIAGRAM:



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