LED Power Supply
Outdoor Dimming Driver GE150/1050/MV-GL
12161
Outdoor Dimming Driver
GE150/1050/MV-GL

Description: 150W 0.53/0.7/1.05A Dimmable Class 1 PSU
Input Voltage: 120-277V
Input Frequency: 50-60Hz
ROHS Compliant: Yes

<table>
<thead>
<tr>
<th>Max Output Power (W)</th>
<th>Output Current (A)</th>
<th>Output Voltage (V)</th>
<th>Efficiency @ Full Load</th>
<th>Max Input Current (A)</th>
<th>Max THD @75W Output</th>
<th>Min PF @75W Output</th>
<th>Max Inrush Current (A/mS)</th>
<th>Isolated Dimming</th>
<th>Weight (lbs/kg)</th>
<th>IP Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>0.525 ± 5%</td>
<td>140-280</td>
<td>&gt;91%</td>
<td>1.60 @ 120V</td>
<td>20%</td>
<td>0.9</td>
<td>See Page 4</td>
<td>0-10V</td>
<td>0.5mA</td>
<td>100% - 10%</td>
</tr>
<tr>
<td></td>
<td>0.700 ± 5%</td>
<td>105-210</td>
<td>&gt;90%</td>
<td>0.80 @ 277V</td>
<td></td>
<td></td>
<td></td>
<td>0-10V</td>
<td>0.5mA</td>
<td>100% - 10%</td>
</tr>
<tr>
<td></td>
<td>1.05 ± 5%</td>
<td>70-140</td>
<td>&gt;89%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0-10V</td>
<td>0.5mA</td>
<td>100% - 10%</td>
</tr>
</tbody>
</table>

Product Features

Physical

- Unit must be installed within an electrical enclosure.
- Enclosure wiring must be rated to 600V & 105°C or higher.

Performance

- Classified as Class 1 as per UL8750.
- Dimming circuit is classified as Class 2 as stipulated in UL1310.
- Minimum ambient operating temperature: -40°C.
- Maximum allowable case temperature: 80°C.
- For reliability and failure rate information, contact GE Technical Sales Representative.
- Output current reduces if the case temperature exceeds 85°C.
- UL listed for operation in dry/damp locations (IP66).
- Tolerates of extended open circuit and short circuit conditions.
- Compliant to FCC Title 47 Part 15 Class A
- Surge resistance per IEEE/ANSI C136.2-2015 Location C-Low (6kV/3kA)
- Ground Leakage current of \( \leq 0.4 \) mA

UL Conditions of Acceptability – E340135

- The unit has been examined to comply with Class 1 Output Criteria
- The unit is only to be used in dry or damp locations
- The metal casing must be connected to EARTH.
- TVSS-GND (Yellow wire) shall be connected to fixture ground after hi-pot test using closest tab screw. THIS IS NOT A SAFETY GROUND!
Technical Information
GE150/1050/MV-GL

**Lifetime (kHrs) vs Case Temperature (°C)**

**Output current vs Dim Voltage**

**Efficiency vs Output Voltage @ 120V 60Hz**

**Efficiency vs Output Voltage @ 277V 60Hz**
Technical Information
GE150/1050/MV-GL

PF vs Output Voltage @ 120V 60Hz

PF vs Output Voltage @ 277V 60Hz

THD vs Output Voltage @ 120V 60Hz

THD vs Output Voltage @ 277V 60Hz

<table>
<thead>
<tr>
<th>Input Voltage [Vrms]</th>
<th>Peak Current Pulse [Apk]</th>
<th>Pulse Duration (50% of Peak) [ms]</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>31</td>
<td>0.1</td>
</tr>
<tr>
<td>277</td>
<td>60</td>
<td>0.1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Input Voltage [Vrms]</th>
<th>Leakage Current [mA]</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1 ON</td>
<td>120</td>
</tr>
<tr>
<td>0.18</td>
<td></td>
</tr>
<tr>
<td>S1 Off</td>
<td>208</td>
</tr>
<tr>
<td>0.18</td>
<td></td>
</tr>
</tbody>
</table>
### Product Dimensions
**GE150/1050/MV-GL**

1. **DIMMING VIOLET, GREY LEADS**
   - 0.9 [0]
   - 10.2 [4]
   - 38.20 [1.5]
   - 295.5 [11.6]

2. **MULTIPLE OUTPUT**
   - RED, BLUE, ORANGE, YELLOW LEADS
   - 0.9 [0]
   - 10.2 [4]
   - 38.20 [1.5]
   - 295.5 [11.6]

### Product Label
**LED POWER SUPPLY**
**G E150/1050/MV-GL**

- **INPUT** (L) BLACK
- **TVSS-FGND** YELLOW
- **(N) WHITE**
- **(+OUT) RED**
- **(-OUT_0.53A) ORANGE**
- **(-OUT_0.7A) YELLOW**
- **(-OUT_1.05A) BLUE**
- **(+DIM) VIOLET**
- **(-DIM) GRAY**

- **VOUT:** 70-280V
- **IOUT:** 0.53A RED/ORANGE
- **IOUT:** 0.7A RED/YELLOW
- **IOUT:** 1.05A RED/BLUE
- **POUT:** 150W

- **Suitable for dry and damp locations**
- **tc = 80°C max**

**IMPORTANT:** After HiPot test connect TVSS-FGND to fixture using the closest tab screw.

**WARNING / AVERTISSEMENT**

**RISK OF ELECTRIC SHOCK**
- Turn power off before servicing.
- Properly ground power supply and fixture.
- Déconnectez l'alimentation électrique avant d'installer ce produit.
- Déconnecter l'alimentation électricité avant d'installer ce produit.

**CASE MUST BE GROUNDED**

**VIN nom:** 120-230-277V~
**Freq:** 50/60Hz
**Iin max:** 1.6A~
**PF min:** 0.9

**Www.gelighting.com**

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