**NOTES:**

1. Weight: 150 Grams Max.
2. Input: 28 VDC @ .50Amps Max.
3. Lamp: GE-5104 VW or EQuv. (Lamp not included)
4. Bright Mode: Input Voltage above 25.5 VDC.
   Dim Mode: Input Voltage Below 23.5 VDC (Half Brightness)
5. Unit will start at 19V @ 10°F.
6. Unit is reverse polarity protected.
7. Internal fuse protection
8. Unit Connector: 3101204-001
   Pins (2): 3101202-000
   Mates with
   Connector: 3101201-000 (AMP 1-480698-0)
   Sockets (2): 3101203-000 (AMP 350689-1)
9. 1" Velcro loop (3M# SJ-3537) or Eqiv.
10. 6900028-XXX:
    - 000 Unit with velcro.
    - 001 Unit w/o velcro.
11. This unit supersedes PW-2013-S6, FLCPM-S6, 6900028-X and PW6900028-X.
1. Weight: 150 Grams Max.
2. Input: 28 VDC @ .50Amps Max.
3. Lamp: GE-5108 WW or EQuv. (Lamp not included)
4. Bright Mode: Input Voltage above 25.5 VDC
   Dim Mode: Input Voltage below 23.5 VDC (Half Brightness)
5. Unit will start at 19V @ 10°F.
6. Unit is reverse polarity protected.
7. Internal fuse protection
8. Unit Connector: 3101204-001
   Pins (2): 3101202-000
   Mates with
   Connector: 3101201-000 (AMP 1-480698-0)
   Sockets (2): 3101203-000 (AMP 350688-1)
9. Velcro loop (3M SJ-3537) or EQv.
10. 6900033-XXX:
    -000 Unit with velcro
    -001 Unit w/o velcro
11. This unit supersedes PW-2013-L6, FLCPL-6L, 6900033-X
    and PW6900033-X.

Ordering P/N: See Note 10
Velcro (see note 5)

Velcro

1.00"

.85"

12.30"

.75"

2.13"

1.56"

Wire: Twisted pair w/Jacket
Mill-C-2750-22A2U02
Length: 12.0" +/- 1.0"

Application

Light Assembly, 12.0" L Hot Cathode

Note 10: This unit supersedes PW-2013-L12, FLCPLM-L12, 6900034-X and PW6900034-X.
NOTES

1. TUBES SHOULD BE MOUNTED WITHIN 2.5CM OF GROUND REFLECTOR FOR RELIABLE STARTS.
2. THIS UNIT SUPERCEDES PW-FLC-28 AND 6900041.
3. LIGHT OUTPUT WILL DIMINISH WITH REDUCED INPUT VOLTAGE.

Installation diagram

Electrical Specifications:

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Min.</th>
<th>Nom.</th>
<th>Max.</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Volts/Amps</td>
<td>-</td>
<td>200</td>
<td>-</td>
<td>mA</td>
</tr>
<tr>
<td>15VDC</td>
<td></td>
<td></td>
<td>200</td>
<td>mA</td>
</tr>
<tr>
<td>20VDC</td>
<td></td>
<td>170</td>
<td>-</td>
<td>mA</td>
</tr>
<tr>
<td>24VDC</td>
<td></td>
<td>190</td>
<td>-</td>
<td>mA</td>
</tr>
<tr>
<td>28VDC</td>
<td>250</td>
<td>-</td>
<td>350</td>
<td>mA</td>
</tr>
<tr>
<td>Output Volts</td>
<td>-</td>
<td>-</td>
<td>180</td>
<td>V</td>
</tr>
<tr>
<td>Weight</td>
<td>-</td>
<td>-</td>
<td>38 (.084)</td>
<td>g (lb)</td>
</tr>
</tbody>
</table>

Unit will start at 19V @ 10° F
Unit is Reverse polarity protected

Tube & Resistor chart:

<table>
<thead>
<tr>
<th>Length</th>
<th>Sylvania P/N</th>
<th>GE P/N</th>
<th>Resistor (R)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.00&quot;</td>
<td>F4T5WW/RS</td>
<td>5104WW</td>
<td>6800 Ohm 3.75W Wire-Wound</td>
</tr>
<tr>
<td>12.00&quot;</td>
<td>F8T5WW/RS</td>
<td>5108WW</td>
<td>5600 Ohm 3.75W Wire-Wound</td>
</tr>
</tbody>
</table>
### 6900080-000

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th>MIN.</th>
<th>TYP.</th>
<th>MAX.</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>INPUT VOLTAGE DC:</td>
<td>19</td>
<td>28</td>
<td>33</td>
<td>VDC</td>
</tr>
<tr>
<td>INPUT CURRENT:</td>
<td>-</td>
<td>0.5</td>
<td>-</td>
<td>AMPS</td>
</tr>
<tr>
<td>DIMMING:</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAMP (Not Included)</td>
<td>12.0&quot; (GE-5108WW or Equiv.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEIGHT:</td>
<td>150</td>
<td></td>
<td></td>
<td>Grams</td>
</tr>
<tr>
<td>OPERATING TEMPERATURE:</td>
<td>-12.22</td>
<td>+55</td>
<td>°C</td>
<td></td>
</tr>
</tbody>
</table>

Unit will start at 19V @ -12.22°C. Unit is Reverse polarity protected.

6900080-XXX:
- 000 Unit with velcro.
- 001 Unit w/o velcro.

<table>
<thead>
<tr>
<th>PWI ORDERING P/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>6900080-XXX</td>
</tr>
</tbody>
</table>