Features
VOLTAGE: 12V DC
CURRENT: 1800mA
LED VIEWING ANGLE (2 θ 1/2): 120°

STANDARD PACKAGING:
  5 Meter Reel (300 LED’s)
OPTIONAL PACKAGING:
  Individual 500mm Sections (30 LED’s)
  Order as ZFS-8500-XX/SEC
  Note: Individual Sections ARE NOT supplied
       with insulated wire connection.

Maximum Ratings

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Symbol</th>
<th>Rating</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrostatic Discharge</td>
<td>ESD</td>
<td>800</td>
<td>V</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>Topr</td>
<td>-30~+85</td>
<td>ºC</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>Tstg</td>
<td>-40~+100</td>
<td>ºC</td>
</tr>
</tbody>
</table>

Accessories

ZPS-1220 12V, 20 Watt Power Supply
ZPS-1225 12V, 25 Watt Power Supply
ZPS-1235 12V, 35 Watt Power Supply
ZPS-1260 12V, 60 Watt Power Supply
ZDM-01   PWM LED Dimmer
Note: ZPS-1235 and ZPS-1260 require
      use of wire nuts for connections.

Mating Components

ZFS-CH138-8J: Solderless Joiner Connector
ZFS-CH140-8I: Solderless Input Connector
ZFS-CHO-8J: Solderless Connector

Note
Please refer to JKL Application Sheet JKL-AS-ZFS-LED FLEX for
Installation and Power Recommendations.
LED FLEX RIBBON

Dimensions

Electro-Optical Characteristics (Ta = 25°C)

<table>
<thead>
<tr>
<th>JKL Part Number</th>
<th>Color</th>
<th>Number of LED's</th>
<th>Input Voltage (V DC)</th>
<th>Power (W)</th>
<th>Current (mA)</th>
<th>Radiance Angle</th>
<th>CCT (K)</th>
<th>Lumen Flux (lm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZFS-8500-CW</td>
<td>Cool White</td>
<td>300</td>
<td>12</td>
<td>21.60</td>
<td>1800</td>
<td>120º</td>
<td>6000</td>
<td>1092</td>
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<td>ZFS-8500-NW</td>
<td>Neutral White</td>
<td>300</td>
<td>12</td>
<td>21.60</td>
<td>1800</td>
<td>120º</td>
<td>4100</td>
<td>1014</td>
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<td>ZFS-8500-WW</td>
<td>Warm White</td>
<td>300</td>
<td>12</td>
<td>21.60</td>
<td>1800</td>
<td>120º</td>
<td>3050</td>
<td>936</td>
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<tr>
<td>ZFS-8500-Y</td>
<td>Yellow</td>
<td>300</td>
<td>12</td>
<td>21.60</td>
<td>1800</td>
<td>120º</td>
<td>590nm</td>
<td>336</td>
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</tbody>
</table>

Circuit Diagram

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DC 12V

(-)