Dielectric's DLP Series antenna is designed specifically as an economical single channel choice for low power TV, DTV, and gap filling.

**Specifications:**
- Operating Range: one channel within 470-860 MHz
- Single 8-bay section
- Economical design
- Suitable for analog or DTV applications
- 1.6kW average power rating
- ERPs up to 35 kW
- 5 different standard azimuth patterns available
- Elevation pattern with gain of 8 (9.03 dBd)
- 1.5 degrees nominal beam tilt
- Horizontally Polarized
- Elliptically polarized with 30% vertical optional
- Low VSWR
- Slot covers provide environmental protection
- Standard mounting brackets included for 1-1/4” to 4-1/2” OD pipes
- Low weight and windload
- 1 5/8” EIA input standard
- Survives winds up to 125 mph (56 m/s)

In addition to these standard patterns, we can customize a pattern to meet your specific needs. Please contact us for more information.
# Mechanical Specifications

<table>
<thead>
<tr>
<th>Antenna Type</th>
<th>Azimuth Pattern</th>
<th>Peak Power Gain</th>
<th>Gain (dBd)</th>
<th>Height (ft)</th>
<th>Weight (lbs)</th>
<th>Wind Area (ft²)</th>
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<td>DLP-8-B</td>
<td>TLP-B</td>
<td>13.6</td>
<td>11.3</td>
<td>12.2 - 18.8</td>
<td>39.2 - 57.5</td>
<td>5.5 - 8.5</td>
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<tr>
<td>DLP-8-D</td>
<td>TLP-D</td>
<td>23.2</td>
<td>12.7</td>
<td>12.2 - 18.8</td>
<td>42.2 - 64.6</td>
<td>7.6 - 13.6</td>
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<tr>
<td>DLP-8-H</td>
<td>TLP-H</td>
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<td>11.3</td>
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<td>7.2 - 19.4</td>
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<tr>
<td>DLP-8-J</td>
<td>TLP-J</td>
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<td>12</td>
<td>12.2 - 18.8</td>
<td>41.5 - 71</td>
<td>6.8 - 16.1</td>
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<tr>
<td>DLP-8-M</td>
<td>TLP-M</td>
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<td>11.8</td>
<td>12.2 - 78.8</td>
<td>42.1 - 18.8</td>
<td>7.6 - 2.1</td>
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