ULTRA LED Retrofit PAR30LN Lamps
Dimmable

Key Features & Benefits

- 15W LED lamp designed as a high quality replacement of 50W halogen PAR30LN lamps
- Dimmable 10%–100%*
- 50,000 hours life at 70% lumen maintenance
- Suitable for indoor and outdoor use
- Available in 3000K CCT with 87 CRI (2700K targeted for Fall 2010)
- Medium base for direct replacement
- Power factor 0.77
- Reduces energy consumption up to 70%
- Lasts 20 times longer than halogen lamps
- No warm-up time, instant-on with full light output and stable color
- Mercury free and RoHS compliant
- UV and IR free

* Performance may vary depending on dimmer used in application

ULTRA LED Retrofit PAR30LN Lamps
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LED technology offers reduced energy and maintenance costs when compared with conventional light sources. LED PAR30LN retrofit lamps are intended to be a high-quality replacement for 50W halogen PAR30 long neck lamps while offering 20 times the life. They are free of UV and IR radiation, minimizing discoloration and fading of materials. These lamps are dimmable down to 10%* and are rated at 50,000 hours life with a correlated color temperature (CCT) of 3000K. They are available with 25° and 40° beam angles.

Product Offering

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Ordering Abbreviation</th>
<th>Wattage (W)</th>
<th>Color Temperature</th>
<th>Beam Angle</th>
<th>R9</th>
</tr>
</thead>
<tbody>
<tr>
<td>78638</td>
<td>LED15PAR30LN/DIM/830/NFL25</td>
<td>15</td>
<td>3000K</td>
<td>25°</td>
<td>54</td>
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<td>78639</td>
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<td>15</td>
<td>3000K</td>
<td>40°</td>
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</tbody>
</table>

Application Information

Market Segments
- Art galleries and museums
- Hospitality
- Residential
- Retail

Applications
- Accent/display lighting
- Recessed downlighting
- Track lighting

Application Notes
1. Operating temperature range between -40°F and +113°F (-40°C and +45°C)
2. UL1993 listed
3. Suitable for use in indoor and outdoor environments
4. Suitable for dimmers or in luminaires controlled by a dimmer
5. Not intended for use with emergency light fixtures or exit lights
6. For use in fixtures that can structurally support a lamp weighing one pound
7. Not to be used in enclosed fixtures
8. Not to be used in enclosed insulated ceilings
**Ordering Information**

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Ordering Abbreviation</th>
<th>Wattage (W)</th>
<th>Base Type</th>
<th>Input Voltage (VAC)</th>
<th>Average Rated Life (hrs.)</th>
<th>Typical Lumens (lm)</th>
<th>CCT</th>
<th>CBCP (cd)</th>
<th>Beam Angle</th>
<th>CHI*</th>
<th>Power Factor</th>
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</thead>
<tbody>
<tr>
<td>78638</td>
<td>LED15PAR30LN/DIM/B30/NFL25</td>
<td>15</td>
<td>Medium</td>
<td>120</td>
<td>50,000</td>
<td>770</td>
<td>3000K</td>
<td>2900</td>
<td>25°</td>
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<td>0.77</td>
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<td>50,000</td>
<td>770</td>
<td>3000K</td>
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<td>40°</td>
<td>87</td>
<td>0.77</td>
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</table>

1. Hours lifetime with 70% lumen maintenance
2. Thermally stable typical lumens (+10%)
3. Thermally stable typical CCT (+10%)
4. CRI – Color Rendering Index

*Energy savings over life of lamp calculated at $0.11/kWh

**Recommended Dimmer List**

<table>
<thead>
<tr>
<th>Make</th>
<th>Dimmer</th>
<th>Max. Wattage</th>
<th>Lamps per Dimmer</th>
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</thead>
<tbody>
<tr>
<td>Lutron</td>
<td>S-600PR-WH</td>
<td>600</td>
<td>5</td>
</tr>
<tr>
<td>Lutron</td>
<td>D-600PR-WH</td>
<td>600</td>
<td>5</td>
</tr>
<tr>
<td>Lutron</td>
<td>Q-600P</td>
<td>600</td>
<td>5</td>
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<tr>
<td>Lutron</td>
<td>GL-600</td>
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<tr>
<td>Lutron</td>
<td>CN-600P</td>
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<tr>
<td>Lutron</td>
<td>D-603PG</td>
<td>600</td>
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<td>Lutron</td>
<td>S-600</td>
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<td>Lutron</td>
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**Ordering Guide**

<table>
<thead>
<tr>
<th>LED</th>
<th>15 PAR30LN / DIM /</th>
<th>830 / NFL25</th>
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<tbody>
<tr>
<td>LED</td>
<td>Wattage:</td>
<td>Beam Type:</td>
</tr>
<tr>
<td>Lamps and</td>
<td>PAR30</td>
<td>Beam Angle:</td>
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<tr>
<td>Retrofits</td>
<td>Long Neck</td>
<td>25°</td>
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</table>

**Lamp Dimensions**

<table>
<thead>
<tr>
<th>(A) NOL (inches)</th>
<th>(B) Diameter (inches)</th>
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<tbody>
<tr>
<td>LED15PAR30LN/DIM</td>
<td>4.50</td>
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**Illuminance Cone Diagrams**

**Energy Savings**

<table>
<thead>
<tr>
<th>Basic Product Description</th>
<th>LED Life (hrs.)</th>
<th>Similar Halogen Life (hrs.)</th>
<th>Watts Saved</th>
<th>Energy Savings*</th>
<th>LED Life vs. Halogen</th>
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</thead>
<tbody>
<tr>
<td>LED15PAR30LN/DIM</td>
<td>50,000</td>
<td>50PAR30LN</td>
<td>2,500</td>
<td>35</td>
<td>$192</td>
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*Energy savings over life of lamp calculated at $0.11/kWh

**Specification Data**

<table>
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<tr>
<th>Fixture Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>

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