ULTRA LED Retrofit PAR38 Lamps
Dimmable

LED technology reduces energy and maintenance costs when compared with conventional light sources. Lasting 20 times longer and with only 18 watts, LED PAR38 lamps are high-quality replacements for 75W halogen PAR38 lamps. 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.

Key Features & Benefits

- 18W LED lamp designed for high quality replacement of 75W halogen PAR38 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 0.75
- Reduces energy consumption up to 76%
- 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

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>
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<tbody>
<tr>
<td>78640</td>
<td>LED18PAR38/DIM/830/NFL25</td>
<td>18</td>
<td>3000K</td>
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Application Information

Market Segments
- Art galleries and museums
- Hotels and hospitality
- Residential
- Retail

Applications
- Accent/display lighting
- Recessed downlighting

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 environments and outdoor environments with open fixtures
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 two pounds
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 (lm²)</th>
<th>CCT</th>
<th>CBP (cd)</th>
<th>Beam Angle</th>
<th>Power Factor</th>
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<tbody>
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<td>Medium</td>
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<td>3100</td>
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<td>900</td>
<td>3000K</td>
<td>4300</td>
<td>40°</td>
<td>87</td>
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</tbody>
</table>

1. Hours lifetime with 70% lumen maintenance
2. Thermally stable typical lumens (+10%)
3. Thermally stable typically CCT (+10%)
4. CRI – color rendering index

**Ordering Guide**

<table>
<thead>
<tr>
<th>LED Lamps and Retros</th>
<th>Wattage</th>
<th>Lamp Type:</th>
<th>Dimmable</th>
<th>830</th>
<th>NFL 25</th>
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<td>PAR38</td>
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</table>

**Recommended Dimmer List**

<table>
<thead>
<tr>
<th>Make</th>
<th>Dimmer</th>
<th>Dimmer Wattage</th>
<th>Max. Lamps per Dimmer</th>
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<tbody>
<tr>
<td>Lutron</td>
<td>S-600PR-WH</td>
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<tr>
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<td>DVL-600PR-WH</td>
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<td>G-600PR-WH</td>
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<td>S-600P</td>
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</tbody>
</table>

**Lamp Dimensions**

- LED18PAR38/DIM
  - (A) MOL (inches): 5.2
  - (B) Diameter (inches): 4.72

**Illuminance Cone Diagrams**

**Energy Savings**

- Basic Product Description: LED18PAR38/DIM
  - LED Life (hrs.): 50,000
  - Similar Halogen: 75PAR38
  - Halogen Life (hrs.): 2,500
  - Watts Saved: 57
  - Energy Savings*: $313
  - LED Life vs. Halogen Life: 20x

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

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Fax: 1-800-667-6772

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Lutron S-600PR-WH 600 5
Lutron S-600 600 5
Lutron GL600 600 5
Lutron S-600PR-WH 600 5
Lutron Q600P 600 5
Lutron GL600 600 2
Lutron CN-600PHW 600 5
Lutron DV-603PG 600 5
Lutron S-600 600 5
Lutron S-600P 600 5

**Specifcation Data**

<table>
<thead>
<tr>
<th>Fixture Description</th>
<th>Type</th>
<th>Project/Job</th>
<th>SYLVANIA lamp</th>
<th>SYLVANIA ballast</th>
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- SYLVANIA lamp and SYLVANIA ballast are registered trademarks of SYLVANIA Inc.
- Approximate footcandle values at center of beam.