High performance, extra low mercury

Philips Advantage T8 Lamps are an energy-efficient solution and offer high lumen output.

Ideal for applications requiring maximum light output.

Ultimate system solution
- High lumens enable multiple system options to maximize energy savings and reduce lighting costs
- Fully dimmable without burn-in

Better for the environment
- Only 1.7mg of mercury with ALTO II Technology
- Reduced impact on the environment without sacrificing performance
- Limited warranty period based on usage

1. See back page for footnotes.

ALTO II means 50% less mercury than the original ALTO T8 lamps

This lamp is better for the environment because of its reduced mercury content. All Philips ALTO lamps give you end-of-life options, which can simplify and reduce your lamp disposal costs, depending on your state and local regulations. ALTO II Lamps have only 1.7mg of mercury.

* Fluorescent lamps that are TCLP compliant reduce the amount of pollutants released into the environment.
Philips Advantage T8 Lamps featuring ALTO II technology

Ideal for applications requiring maximum light output.

Ordering information & electrical and technical data

All Philips ALTO II lamps give you end-of-life options which can simplify and reduce your lamp disposal costs depending on your state and local regulations. This lamp is better for the environment because of its reduced mercury content.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Ordering Code</th>
<th>Watts</th>
<th>Pack Qty</th>
<th>CCT (kelvin)</th>
<th>Nominal Length (inches)</th>
<th>Rated Average Life (hrs)</th>
<th>Approx Initial Lumens</th>
<th>Design Lumens</th>
<th>CRI</th>
<th>Lumen Maint.</th>
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<tbody>
<tr>
<td>28130-3</td>
<td>F17T8/ADV830/ALTO</td>
<td>17</td>
<td>30</td>
<td>3000</td>
<td>24</td>
<td>30,000 36,000</td>
<td>1500 1450</td>
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<td>95%</td>
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<td>3500</td>
<td>24</td>
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<td>3100 2910</td>
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</tbody>
</table>

1. Average life under engineering data with lamps turned off and restarted once every 12 operating hours.
2. Approximate initial lumens. The lamp lumen output is based upon lamp performance after 100 hours of operating life, when the output is measured during operation on a reference ballast under standard laboratory conditions. For expected lamp lumen output, commercial ballast manufacturers can advise the appropriate ballast factor for each of their ballasts when they are informed of the designated lamp. The ballast factor is a multiplier applied to the designated lamp lumen output.
3. Design lumens are the approximate lamp lumen output at 40% of the lamp’s rated average life. This output is based upon measurements obtained during lamp operation on a reference ballast under standard laboratory conditions. Design lumens rated at 3 hours per start on instant start ballast.
4. Average life under specified test conditions with lamps turned off and restarted no more frequently than once every 3 operating hours. Lamp life is appreciably longer if lamps are started less frequently.

Philips Advantage T8 32W vs. Standard T8 32W Systems

Energy Savings: 2 Lamp vs. 2 Lamp System

<table>
<thead>
<tr>
<th>Ballast Factor</th>
<th>No. of Lamps</th>
<th>Lumens</th>
<th>System Watts</th>
<th>System Lumens</th>
<th>Savings</th>
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<tbody>
<tr>
<td>Standard 32W T8</td>
<td>0.87</td>
<td>2</td>
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<td>58</td>
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<td>Reduced Light Output 32W T8</td>
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<td>51</td>
<td>4725</td>
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</table>

$2.80/yr

95% Lumen Maintenance

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