Ultra Energy Saving Ecolux® T5 High Output 47 Watt Watt-Miser®

Energy Savings
- Retrofit typical MVR400 system with a 4-lamp GE T5 UltraStart® Watt-Miser® system and save $841 over the life of the lamp per fixture at 11¢ / kWh
- Relamp existing full wattage 54W lamp with the 47W T5 lamp and save $23 per lamp
- GE’s highest efficiency and lowest wattage T5 HO combination at 102 LPW

Long Life on Programmed Rapid Start Ballasts
- 30,000 hours for 3hrs/start cycle
- 36,000 hours for 12hrs/start cycle
- Designed to operate on existing F54T5 HO ballast

Similar Lumen Output
- 4,800 lumens vs. 5,000 lumens for standard F54T5

Reduced Mercury
- Ecolux® low mercury products pass Federal TCLP tests

GE Express Lamp & Ballast Warranty Service Program
- Warranty based on GE Lamps operating on GE Ballast. See program documents for full details.

*Energy saving based on 4-lamp system life rating, programmed start ballasts $0.11 kWh energy cost, group relamp cycle @ 70% rated life, and 4,100 annual burn hours. Four T5 HO 47W Watt-Miser® lamps provide 50% longer rated life and higher lumen maintenance, but lower initial lumens than one MVR400 lamp.
**Lamp Characteristics – F54T5/47W/841ECO  Product Code 62022**

Nominal Lamp Watts (W) 47
Bulb Designation T5
Bulb Material Soda Lime
Base Type Medium Bi-Pin (G5)
TCLP Compliant Yes
LEED – EB MR Credit

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**Products**

<table>
<thead>
<tr>
<th>T5 High Output Watt Miser® Product Code Description</th>
<th>Case Quantity</th>
<th>Nominal Lamp Watts</th>
<th>Initial Lumens</th>
<th>Mean Lumens</th>
<th>Initial Nominal Efficacy (Lumens/Watt)</th>
<th>Rated Life (3hr/Start)</th>
<th>Rated Life (12hr/Start)</th>
<th>Color Temp (K)</th>
<th>CRI</th>
<th>IS/PRS System Warranty (months)*</th>
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</thead>
<tbody>
<tr>
<td>F54T5/47W/830ECO</td>
<td>40</td>
<td>47</td>
<td>4,800</td>
<td>4,410</td>
<td>102</td>
<td>30,000</td>
<td>36,000</td>
<td>3,000</td>
<td>84</td>
<td>48</td>
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<tr>
<td>F54T5/47W/835ECO</td>
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<td>47</td>
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<td>F54T5/47W/841ECO</td>
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<td>47</td>
<td>4,800</td>
<td>4,410</td>
<td>102</td>
<td>30,000</td>
<td>36,000</td>
<td>4,100</td>
<td>84</td>
<td>48</td>
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<td>4,600</td>
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<td>98</td>
<td>30,000</td>
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</table>

*With covRguard®

| 65106 F54T5/47W/841CVG | 40 | 47 | 4,850 | 4,460 | 30,000 | 36,000 | 4,100 | 85 |
| 65107 F54T5/47W/850CVG | 40 | 47 | 4,650 | 4,280 | 30,000 | 36,000 | 5,000 | 85 |

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**System Information** using F54T5/47W/841ECO  Product Code 62022

<table>
<thead>
<tr>
<th>Ballast</th>
<th>Ballast Product Code</th>
<th>Ballast Description</th>
<th># of Lamps</th>
<th>Line Volts</th>
<th>System Watts</th>
<th>Nom. Line Current</th>
<th>System Ballast Factor</th>
<th>Ballast Efficacy Factor</th>
<th>Power Factor (%=+)</th>
<th>THD % (&lt;=)</th>
<th>Min. Starting Temp (°F/°C)</th>
<th>Min. Life (Lumens)</th>
<th>System Mean Lumens</th>
<th>System Warranty with GE System</th>
<th>Lamp Warranty with GE System</th>
<th>Ballast Warranty</th>
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<tbody>
<tr>
<td>UltraStart®</td>
<td>GE454MVPS90-E 77114</td>
<td>4 277 032</td>
<td>0.79A</td>
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<td>32° / 0°</td>
<td>19,200</td>
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<td>5 Years</td>
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For additional product and application information, please consult GE’s Website: [www.gelighting.com](http://www.gelighting.com)

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