










GE  
Lighting

# Switch to GE LED and save in style!

		New Wattage		Wattage Equivalency
<b>A19</b>		<b>7W</b> 450 Lumens 25,000 hours L70	<b>33</b> Watts Saved! <b>\$16.33</b> Savings Per Year <b>\$90.75</b> Lifetime Savings	<b>40W</b> 450 Lumens 1,000 hours Rated Life
<b>A19</b>		<b>11W</b> 800 Lumens 25,000 hours L70	<b>49</b> Watts Saved! <b>\$24.25</b> Savings Per Year <b>\$134.75</b> Lifetime Savings	<b>60W</b> 800 Lumens 1,000 hours Rated Life
<b>A21</b>		<b>13W</b> 1100 Lumens 25,000 hours L70	<b>62</b> Watts Saved! <b>\$30.69</b> Savings Per Year <b>\$170.50</b> Lifetime Savings	<b>75W</b> 1170 Lumens 750 hours Rated Life
<b>A21</b>		<b>16W</b> 1600 Lumens 25,000 hours L70	<b>84</b> Watts Saved! <b>\$41.58</b> Savings Per Year <b>\$231.00</b> Lifetime Savings	<b>100W</b> 1600 Lumens 750 hours Rated Life
<b>BR30</b>		<b>10W</b> 700 Lumens 25,000 hours L70	<b>55</b> Watts Saved! <b>\$27.22</b> Savings Per Year <b>\$151.25</b> Lifetime Savings	<b>65W</b> 750 Lumens 2000 hours Rated Life
<b>BR40</b>		<b>13W</b> 1070 Lumens 25,000 hours L70	<b>72</b> Watts Saved! <b>\$35.64</b> Savings Per Year <b>\$198.00</b> Lifetime Savings	<b>90W</b> 1100 Lumens 2000 hours Rated Life
<b>PAR38</b>		<b>12W</b> 1000 Lumens 25,000 hours L70	<b>73</b> Watts Saved! <b>\$36.13</b> Savings Per Year <b>\$200.75</b> Lifetime Savings	<b>90W</b> 1200 Lumens 2000 hours Rated Life
<b>PAR38</b>		<b>18W</b> 1300 Lumens 25,000 hours L70	<b>82</b> Watts Saved! <b>\$40.59</b> Savings Per Year <b>\$225.50</b> Lifetime Savings	<b>100W</b> 1400 Lumens 2000 hours Rated Life
<b>PAR38</b>		<b>26W</b> 1950 Lumens 25,000 hours L70	<b>104</b> Watts Saved! <b>\$51.48</b> Savings Per Year <b>\$286.00</b> Lifetime Savings	<b>120W</b> 1700 Lumens 1500 hours Rated Life
<b>PAR38</b>		<b>28W</b> 2400 Lumens 25,000 hours L70	<b>122</b> Watts Saved! <b>\$60.39</b> Savings Per Year <b>\$335.50</b> Lifetime Savings	<b>150W</b> 2800 Lumens 2000 hours Rated Life

DISCLAIMER: Savings based on one lamp operating 4500 annual hours at \$.11/kWh over the course of its 25,000 hour rated life.

Imagination at work



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		New Wattage		Wattage Equivalency
<b>MR16</b>		<b>7W</b> 1500 Lumens CBCP 25,000 hours L70	<b>43</b> Watts Saved! \$21.28 Savings Per Year \$118.10 Lifetime Savings	<b>50W</b> 1700 Lumens CBCP 1,000 hours Rated Life
<b>A19</b>		<b>10W</b> 760 Lumens 15,000 hours L70	<b>50</b> Watts Saved! \$24.10 Savings Per Year \$80.33 Lifetime Savings	<b>60W</b> 800 Lumens 1,000 hours Rated Life
<b>Deco</b>		<b>7W</b> 500 Lumens 25,000 hours L70	<b>53</b> Watts Saved! \$26.20 Savings Per Year \$145.41 Lifetime Savings	<b>60W</b> 670 Lumens 750 hours Rated Life
<b>3-Way</b>		<b>22W</b> 2155 Lumens 25,000 hours L70	<b>128</b> Watts Saved! \$63.60 Savings Per Year \$231.00 Lifetime Savings	<b>150W</b> 1600 Lumens 750 hours Rated Life
<b>Trim</b>		<b>10W</b> 700 Lumens 50,000 hours L70	<b>55</b> Watts Saved! \$27.22 Savings Per Year \$151.25 Lifetime Savings	<b>65W</b> 750 Lumens 2000 hours Rated Life
<b>F32TBX/DBX</b>		<b>12W</b> 1000 Lumens 25,000 hours L70	<b>20</b> Watts Saved! \$9.00 Savings Per Year \$50.00 Lifetime Savings	<b>32W</b> 1100 Lumens 17,000 hours Rated Life
<b>PAR30/L</b>		<b>12W</b> 1050 Lumens 25,000 hours L70	<b>63</b> Watts Saved! \$31.18 Savings Per Year \$173.22 Lifetime Savings	<b>75W</b> 1090 Lumens 2000 hours Rated Life
<b>MVR400/U</b>		<b>165W</b> 20,000 Lumens 50,000 hours L70	<b>255</b> Watts Saved! \$126.20 Savings Per Year \$1,402.20 Lifetime Savings	<b>400W</b> 31,000 Lumens 20,000 hours Rated Life
<b>Biax</b>		<b>17W</b> 2150 Lumens 50,000 hours L70	<b>14</b> Watts Saved! \$6.95 Savings Per Year \$77.22 Lifetime Savings	<b>25W</b> 2650 Lumens 20,000 hours Rated Life
<b>T8</b>		<b>15W</b> 2000 Lumens 50,000 hours L70	<b>17</b> Watts Saved! \$7.65 Savings Per Year \$85 Lifetime Savings	<b>32W</b> 2600 Lumens 20,000 hours Rated Life

DISCLAIMER: Savings based on one lamp operating 4500 annual hours at \$.11/kWh over the course of its 25,000 hour rated life.

Imagination at work

# Average Rated Life vs. L Ratings

## Average Rated Life

The rated life of traditional filament (incandescent & halogen) and discharge (fluorescent & HID) light technologies is called out according to the point at which 50% of a sample of that type of lamp will fail, or the **'Average Rated Life'**. For example a typical 60W incandescent A19 has a rated life of 1,000 hours. If you were to install 10 of these lamps at 1,000 hours of operation you would expect 5 to have failed.

**vs.**

## L Ratings

Light Emitting Diodes are inherently different from traditional light sources, LEDs do not fail but rather become dimmer and dimmer over time. LEDs derive their published rated life according to testing administered according to the TM21 protocol. By mathematically extrapolating data derived from accelerated life testing by no more 6X accrued testing time, NVLAP Certified labs can predict the lumen maintenance curve of a given product and derive 'L Ratings'. 'L Ratings' communicate the amount of lumen depreciation at a given point in time. For example, after testing an LED lamp is given a life rating of 25,000 hours L70. That means that at 25,000 hours life the lamp will be 30% dimmer, and have less than 1% failure. So were you to purchase 10 lamps at 25,000 hours L70, after 3 years of continual operation you could expect no failures but an installation that is 30% dimmer. There are numerous levels of 'L Ratings' for example:

- L70 → 30% dimmer @ rated life
- L85 → 15% dimmer @ rated Life
- L90 → 10% dimmer @ rated Life

