# **LED Dock Light Savings Calculator**

How much can you save by making the switch to LED lights? Use this savings calculator to see how quickly LED lights can pay for themselves!

计算结果输出栏

ANNUAL ENERGY SAVINGS KILOWATT HOURS

ANNUAL COST SAVINGS DOLLARS

PAYBACK PERIOD MONTHS

输入栏

1 Type of Light Fixture Wattage of Existing Light LED Replacement

2 Number of Light Fixtures

3 Annual Hours of Operation

4 Electricity Cost Per kWh (US Dollars)

Start Over Calculate Savings

每个问号点击以后显示的注释内容：

### 注释1， ANNUAL ENERGY SAVINGS CALCULATION

Annual Energy Savings is calculated by comparing current energy usage to the estimated usage after upgrading to LED technology.

Close

### 注释 2， ANNUAL COST SAVINGS CALCULATION

Annual Cost Savings is calculated by comparing current energy, bulb replacement, and maintenance costs to the estimated costs after upgrading to LED technology.

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### 注释 3，PAYBACK PERIOD CALCULATION

The Payback Period is determined by first calculating the total cost of upgrading to LED lighting, then estimating the number of months required to recover this cost from savings in energy and maintenance.

Note: TGLIGHTS LED light fixtures are estimated to last 50,000 hours (over 13 years at 10 hrs/day). Considering the exceptionally long life, replacement costs were not included in these calculations.

Close

#### 注释 4，Type of Light Fixture

Enter the wattage of your existing light, then select a replacement light from TGLIGHTS LED product line.

#### 注释 5，Number of Light Fixtures

Count the number of existing light fixtures you plan to replace and enter the total here.

#### 注释 6，Annual Hours of Operation

Enter the number of hours annually your existing lights are illuminated. For example, if your business operates 8am–6pm, Monday to Friday, your annual hours of operation would be 10 hours a day multiplied by 260 business days per year, for a total of 2,600 hours.

#### 注释 7，Electricity Cost Per kWh

The electricity rate is the price your electric utility charges you per kilowatt hour. The US Department of Energy provides electric rates by State on **[their web site](http://www.eia.gov/electricity/monthly/epm_table_grapher.cfm?t=epmt_5_6_a" \t "http://www.triliteinc.com/products/_blank)**. Electric rates outside the US can be found on the **[OVO Energy web site](http://shrinkthatfootprint.com/average-electricity-prices-kwh" \t "http://www.triliteinc.com/products/_blank)**.

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