

GE
Lighting



High Lumen Biax[®] Watt-Miser[®] Lamp

GE's new 25 Watt T5 Compact Fluorescent lamps offer \$10 in energy savings over the life of the lamps vs. standard 30 Watt F40/30 HL Biax[®] lamps with nearly the same light output*.

Simple energy saving upgrade
- No ballast change required when using an instant start ballast

20,000 hour life at 3 hours per start

Excellent CRI - 82

High efficacy >100 lumens per watt

More compact design - 1.5" shorter than F40/30BX

Industries broadest range of colors - 3000K, 3500K, 4100K, 5000K



* Assuming a 25W Biax Watt-Miser lamp replaces a standard F40 Biax (30 watts nominal) @ \$0.10kWh over 20,000 hours life. Light level drops by only 17% assuming a 0.9 ballast factor. Light level drop by 10% when based upon 200mA nominal lamp current on high efficiency ballast.

| Energy Savings Matrix - 10 Watts Saved Per 2 lamp 2x2 Fixture | | | | |
|---|---|---------|---------|---------------------------------------|
| Example Calculation | Savings per Fixture at Operating Hours/Year | | | Savings per Fixture over life of Lamp |
| KWH Rate | 4000 | 5500 | 8760 | |
| \$0.060 | \$2.40 | \$3.30 | \$5.26 | \$12.00 |
| \$0.080 | \$3.20 | \$4.40 | \$7.01 | \$16.00 |
| \$0.100 | \$4.00 | \$5.50 | \$8.76 | \$20.00 |
| \$0.120 | \$4.80 | \$6.60 | \$10.51 | \$24.00 |
| \$0.200 | \$8.00 | \$11.00 | \$17.32 | \$40.00 |



imagination at work

High Lumen Biax® Watt-Miser® Lamp

| Performance Data | | | | Lamp Dimensions | | | | |
|------------------|---------------------|-----------------|-------------------|------------------------|--------------------|-----|-----------|------|
| Product Code | Product Description | Nominal Wattage | Color Temp Kelvin | Approx. Initial Lumens | Life 3 Hours Start | CRI | MOL (In.) | Base |
| 75399 | F40/25BX830/IS/WM | 25 Watt | 3000 | 2600 | 20,000 | 82 | 21.2 | 2G11 |
| 75400 | F40/25BX835/IS/WM | 25 Watt | 3500 | 2600 | 20,000 | 82 | 21.2 | 2G11 |
| 75401 | F40/25BX841/IS/WM | 25 Watt | 4100 | 2600 | 20,000 | 82 | 21.2 | 2G11 |
| 75402 | F40/25BX850/IS/WM | 25 Watt | 5000 | 2600 | 20,000 | 82 | 21.2 | 2G11 |

GE's new High Lumen Biax® Watt-Miser® lamps deliver significant energy savings and a quick payback on the incremental cost of the lamps.



Eco-Energy Estimator

Calculate the energy costs associated with existing and proposed lighting systems and show environmental impact. Click on the first cell and tab to the other input cells.

| Instructions | | INPUT | | | |
|---|------------|---|--|---|----------|
| | | Existing System | | Proposed System | |
| System Descriptions (optional) | | HL CFL F40/30 | | HL Biax® Watt-Miser® 25W | |
| Hours burned per year | 4500 | Number of Fixtures | 100 | Number of Fixtures | 100 |
| Cost per kWh \$ | 0.10 | Watts per Fixture | 60 | Watts per Fixture | 50 |
| Have more than one system in the space? Click here for (1A) Multiple Systems Eco-Estimator | | OUTPUT | | | |
| | | Energy used per year (Existing System) | \$2,700 | Energy used per year (Proposed System) | \$2,250 |
| | | Energy Savings per year (entire site) | \$450 | Energy Savings per year (each new system fixture) | \$4.50 |
| | | KiloWatt Load. (Existing System) | 6 | KiloWatt Load. (Proposed System) | 5 |
| Estimated cost per fixture to upgrade to proposed system | | \$2.00 | Simple Payback (based on energy savings alone) | | 6 Months |
| The Cost of Waiting - Not changing your lights could be costing you money! | | | | | |
| Cost of waiting or Cost of postponing the upgrade | | \$38.00 | per month | \$450.00 | per year |
| Environmental Impact of Lighting Upgrade - Changing your lights can benefit the environment! | | | | | |
| Annual Carbon Dioxide (CO ₂) emission reduction | 6,930 lbs. | Coal burning avoided | 3,238 lbs. | Equivalent acres of forest added | 1 acres |
| Annual Sulfur Dioxide (SO ₂) emission reduction | 27 lbs. | | 1 tons per yr. | Equivalent # cars removed from the road | 1 cars |
| Annual Nitrogen Oxide (NO, NO _x) reduction | 13 lbs. | Atmospheric mercury contamination avoided | 70 mg. per yr. | 50% US Electric Power Generation in 2005 came from coal-burning power plants. | |

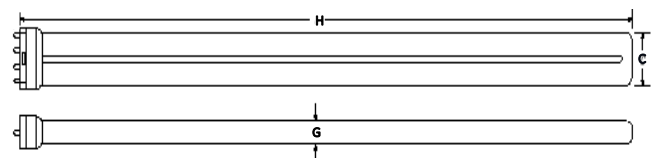
Assume a Retail store has 100, 2X2 fixtures, 2 lamps per fixture ... they could save \$450 a year just by changing the lamps!

That's a 6 month simple payback

Simple upgrade significantly reduces their environmental impact!

HLBX WM Dimensions

| Dimensions | Minimum | Maximum |
|--|-------------|---------------|
| Base Face to Top of Lamp (H) Inches (mm) | | 21.06 (535.0) |
| Bulb Depth (G) Inches (mm) | 0.67 (17.0) | 0.80 (20.3) |
| Bulb Width (C) Inches (mm) | 1.46 (37.2) | 1.55 (39.4) |



For additional product and application information, please consult GE's Website: www.gelighting.com

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