



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



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

* 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.

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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

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

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
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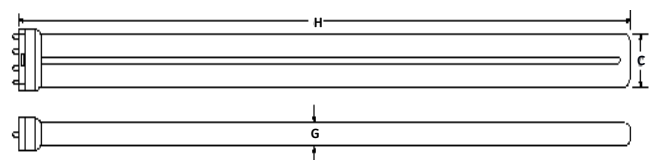
Environmental Impact of Lighting Upgrade - Changing your lights can benefit the environment!

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 ₂) reduction	13 lbs.	Atmospheric mercury contamination avoided	70 mg. per yr.	50% US Electric Power Generation in 2005 came from coal-burning power plants.	

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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