



FRONTIER LIGHTING NEWSLETTER

This newsletter is dedicated to providing you with helpful information on your lighting needs plus other items of interest.

Fall 2010

sales@FrontierLighting.com

www.FrontierLighting.com

Frontier Lighting is your one stop source for LED lighting!



A19 LED BULB

It seems like a new LED product is being introduced daily. LED is short for "Light Emitting Diode" although it could also be short for "latest enhanced design" from the flurry of new and improved LED lighting products. Some are quality products well designed, and others look like a scary fire hazard. With all the questions surrounding product life spans, useful light output, color temperature, and beam spread, it takes some effort to investigate what you are actually

buying and if it is the right lighting solution for your needs. Some LED products have been certified through the Energy Star's testing program which involves a third party testing laboratory to check the assembler's claims of life, color, lumen output, etc. This testing known as LM79 and LM80 are similar to the miles per gallon (MPG) rating on cars. This allows the buyers of these products to compare them on a level playing field. However, some LED assemblers have not gone through the Energy Star testing and can make virtually any claims on their LED products, because there is no standard testing method for them to follow. Frontier Lighting is an Energy Star Partner and would be glad to provide you with a 20 page guide that outlines the requirements for meeting the Energy Star testing requirements. LED bulbs and fixtures are making continued improvements in the life and color temperature of these products and they are becoming suitable for more



TOSHIBA LED LAMPS



Authorized Distributor

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Contact us at . . .

Clearwater: 727-447-7676

Bradenton: 941-342-8801

Ft. Myers: 239-454-2852

Tampa: 813-386-0219

Lakeland: 863-583-0053

Orlando: 407-295-0091

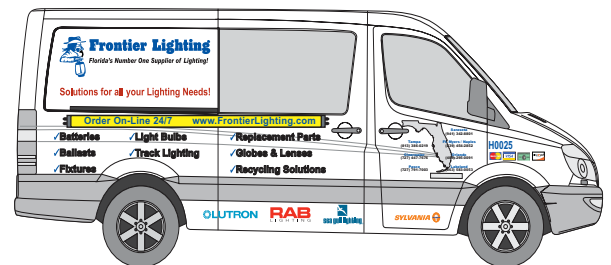
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1-800-226-BULB (2852)

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Frontier Lighting, Inc.

2090 Palmetto Street Clearwater, Florida 33765

www.FrontierLighting.com



Florida's Number One Supplier of Lighting!



Did You Know?

- If you stack one million US \$1 bills, it would be 110m (361 ft) high and weight exactly 1 ton.
- TIP is the acronym for “To Insure Promptness.”
- The \$ sign was designed in 1788 by Oliver Pollock.



- The word millionaire was first used by Benjamin Disraeli in his 1826 novel Vivian Grey.
- The U.S. Department of the Treasury first issued paper U.S. currency in 1862 to make up for the shortage of coins and to finance the Civil War.
- In 1932, when a shortage of cash occurred in Tenino, Washington, USA, notes were made out of wood for a brief period. The wood notes came in \$1, \$5 and \$10 values.



The Facts of Light

Light Saving, Sight Saving, Energy Saving

LED Elevator Lighting



LE2W1383
2 Watt R12



LE2WGBF
2 Watt MR11

The 1383 and GBF are now available in LED from Frontier Lighting. By converting to LED elevator bulbs you can cut the heat output dramatically and extend the lamp life up to 25,000 average rated hours. These LED replacement lamps use roughly 10% of the energy of the incandescent lamps and are available in a pleasing 3200K color temperature. The 1383-LED and GBF-LED replacement lamps are compatible with occupancy control systems and come with a 3 year limited warranty.

Call Frontier Lighting today for more information on these and other LED lighting products.

<i>Compare for yourself...</i>	LED	Incandescent
Total Power	52.8W	480W
Life	25,000 Hours	700 Hours
Light Output (at waist level)	40 Foot Candles	20 Foot Candles
Durability	Solid State Lighting	Incandescent Filaments
Annual Operating Costs*	\$46.25	\$420.48
*Based on the replacement of 24 20W incandescent lamps (total power = 480W), with 2.2W LED replacements (total power = 52.8W) at 10¢/kw hour		Annual Savings using LED Lamps = \$374.23

Some of the quality products available from FRONTIER LIGHTING

- ◆ Light Bulbs
 - ◆ Ballasts
 - ◆ Fixtures
 - ◆ Photo Cells
 - ◆ Outdoor Boxes & Covers
 - ◆ Exit/Emergency Fixtures
- ◆ Batteries
 - ◆ Flashlights
 - ◆ Track Lighting
 - ◆ Tube Guards
 - ◆ Lightning Protection
 - ◆ Lenses/Globes
- ◆ Stage/Studio
 - ◆ Black Light Bulbs
 - ◆ Low Voltage
 - ◆ Landscaping Lighting
 - ◆ Security
 - ◆ Wiring Devices

MORE THAN 6,000 TYPES OF LIGHT BULBS IN STOCK FOR IMMEDIATE DELIVERY!




Frontier Lighting is your one stop source for LED lighting!

Continued from the front cover

applications. While the LED bulbs are making steady improvements, they are not the best lighting source for every application. There are many considerations of location, the amount of light needed, lamp life expectations, and ambient temperature. While LED lamps have a good life span at 30,000 – 50,000 hours average rated life, *the latest generation of energy efficient fluorescent lamps* available from Osram Sylvania and are rated at 40,000 hours average life with 96% lumens at 40% of the rated life for a fraction of the cost of converting to LED's. Frontier Lighting is an authorized and stocking distributor for hundreds of the leading brands of lighting. We stock LED, fluorescent, incandescent, HID, cold cathode, and induction lighting, and can provide an *objective analysis of your lighting needs* and provide you with cost effective solutions and the proper products to help you meet your goals for your facility. While energy savings is a goal of all business and facilities, a realistic return on investment needs to be balanced with the retrofitting of any new lighting projects. With our extensive experience working with interior and exterior lighting, since 1987 and our broad range of products, Frontier Lighting can provide



STREET / PARKING LOT LED FIXTURES

you with anything from replacement sockets and globes or LED bulbs to a complete turn-key lighting solution including new fixture installation and labor through our network of licensed electrical and general contractors. Frontier Lighting is your one stop source for LED Lighting. Call today to get started. 

Call Frontier Lighting to talk to one of our Experienced Lighting Representatives!

COMPARING LED'S

Lamp Types	Halogen Watts	Fluorescent Watts	LED Watts	Halogen Life Hours	Fluorescent Life Hours	LED Life Hours
MR16	20W	N/A	6W	2,000	8,000	35,000
PAR20	50W	13W	8W	2,500	10,000	50,000
PAR30	50W	13W	15W	2,500	10,000	50,000
PAR38	75W	18W	18W	2,500	10,000	50,000
A19	50W	13W	8W	2,500	10,000	50,000
G25	40W	9W	7W	2,250	8,000	25,000



FREE DELIVERY!

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Pasco: (727) 791-7003

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Hernando: (727) 791-7003
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Monday through Friday 7:30 am - 5:00 pm






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We Are Your One Stop Lighting Source

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Frontier Lighting's



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