



FRONTIER LIGHTING NEWSLETTER

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

Fall and Winter 2011

sales@FrontierLighting.com

www.FrontierLighting.com

Slash your Energy Costs with Sylvania's new LED RT series Retrofit



Sylvania has raised the bar for recessed LED lighting retrofit kits. Sylvania's new ULTRA RT SERIES is an energy efficient, long life, LED recessed trim down-light kit. Sylvania's newly designed trim, creating high performing white light and a 35,000 hour rated life is optimized for new construction and retrofitting existing applications. The Ultra RT Series trim using only 11 watts of power has the ability to replace a 65 watt Br30 flood bulb, saving 54 watts (or saving 83% of the power required to power the 65 watt Br30 bulbs) and provides excellent color rendering at 82 CRI and a selection of either 2700K (similar to the color of an incandescent bulb) or a cooler 3000K color temperature (similar to the color of light put out by a halogen bulb). Installation is a snap and is done quickly and easily in most standard six-inch or four inch diameter recessed cans:

- Insulated Ceiling Housings
- Airtight Housings
- Non-IC housings

KEY FEATURES & BENEFITS

Sylvania's new RT series LED retrofit trims last 17 times longer than standard incandescent lamps. It is an instant-on with full light output and stable lamp to lamp color and requires no warm up time. Using only 17% of the power of a standard 65 watt Br30 flood, the RT trim saves you money on your power bill.



Authorized Distributor

Continued Inside

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

sales@FrontierLighting.com

Fax: 727-447-7971



1-800-226-BULB (2852)



Scan the QR code above to go to
www.FrontierLighting.com



Frontier Lighting, Inc.
2090 Palmetto Street Clearwater, Florida 33765
www.FrontierLighting.com



Florida's Number One Supplier of Lighting!



Did You Know?

- The fastest dog, the greyhound, can reach speeds of up to 41.7 miles per hour.
- Even faster, the cheetah, the world's fastest mammal can reach up to 63 miles per hour.
- There's enough energy in ten minutes of one hurricane to match the nuclear stockpiles of the world.
- An alligator can close its jaws with a force to break an arm, the muscles to open its jaws are weak enough that a person can hold its mouth shut.
- Cats started out as desert animals. Their fur evolved to fit in with hot dry weather; that's why they don't like to get wet.

Golf Ball or Goof Ball!

The earliest golf ball was really strange! In the 15th century in Scotland someone invented the "featherie" as the first "official" golf ball. This was a piece of tanned hide stuffed with feathers and painted white. It's hard for us to believe this would even "fly". But, it was the ball of choice for 400 years.



The Facts of Light

Light Saving, Sight Saving, Energy Saving

With so many different lights available today, you should be able to choose the right energy-saving source for a given task. Knowing what types of lighting are available and the best use of each can make planning easier. For example, many still rely on the incandescent bulb for all or a great portion of their lighting needs even though other forms of lighting will save energy costs.

The major categories of lighting and their basic characteristics are:

INCANDESCENT



Incandescent bulbs are small, versatile and the most commonly used lighting. They are the least expensive to buy and the most expensive to use. Ninety percent of the energy consumed is given off as heat. Incandescent bulbs also have the shortest life.

FLUORESCENT



One of the most efficient lights for indoor and outdoor use. A 15-watt fluorescent bulb gives as much light as a 60-watt incandescent and lasts up to 10,000 hours. Fluorescents come in a variety of sizes and shapes. There are some that can be installed in incandescent light fixtures. While they cost more to purchase the overall cost is lower.

HIGH INTENSITY DISCHARGE



These are primarily used for outdoor lighting or specialized indoor needs. The major types are: high pressure sodium, low pressure sodium, metal halide, and mercury vapor. High pressure sodium, low pressure sodium, and metal halide are the most energy-efficient source of lighting.💡

Some of the quality products available from FRONTIER LIGHTING

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

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



Continued from Front Cover

- Meets California Title 24 fixture requirements for high efficacy luminaire
- An Integrated white trim and medium base socket adaptor are included for a direct replacement of existing trim units

Dimming - The SYLVANIA ULTRA RT Series fixture is dimmable to 20% with standard 120V electronic low voltage dimmers (recommended).

Quality of Light - The SYLVANIA ULTRA RT Series provides excellent color rendering (82+ CRI), and a selection of color temperatures (2700K, 3000K).

The ULTRA RT LED trim is available in either 4" or 6".

Contact a Frontier Lighting Salesperson for details.

Technical Specifications:

- Lumen package: - 625 lumens @ 11watts Replacement for 65BR30 incandescent lamps
- CCT: 3000K or 2700K
- CRI of 82
- Dimmable to 20-100%
- 35,000 hour life (L70)
- Suitable for indoor and damp locations
- Reduces energy consumption up to 86%
- 120V input voltage
- No warm-up time, instant-on with full light output and stable lamp to lamp color
- Integrated white trim and medium base socket adaptor (included) for direct replacement



Anatomy of the LED Lighting Facts™ Label

Light Output/Lumens
Measures light output. The higher the number, the more light is emitted. Reported as "Total Integrated Flux (Lumens)" on LM-79 test report.

Watts
Measures energy required to light the product. The lower the wattage, the less energy used. Reported as "Input Power (Watts)" on LM-79 test report.

Lumens per Watt/Efficacy
Measures efficiency. The higher the number, the more efficient the product. Reported as "Efficacy" on LM-79 test report.

IESNA LM-79-2008
Industry standardized test procedure that measures performance qualities of LED luminaires and integral lamps. It allows for a true comparison of luminaires regardless of the light source.

Registration Number Model Number Type

Brand

Lighting Facts Label Data:
 Light Output (Lumens): 840
 Watts: 9
 Lumens per Watt (Efficacy): 93
 Color Accuracy (CRI): 87
 Light Color: 2900 (Warm White)
 Color Temperature (CCT): 2700K, 3000K, 4500K, 6500K

Color Rendering Index (CRI)
Measures color accuracy. Color rendition is the effect of the lamp's light spectrum on the color appearance of objects.

Correlated Color Temperature (CCT)
Measures light color. "Cool" colors have higher Kelvin temperatures (3600–5500 K). "Warm" colors have lower color temperatures (2700–3500 K). Color temperatures higher than 6500 are outside of the defined region for white light, but may be appropriate for outdoor applications.

Visit www.lightingfacts.com for the Label Reference Guide.

Light Output/Lumens - Measures light output. The higher the number, the more light is emitted. Reported as "Total Integrated Flux (Lumens)" on LM-79 test report.

Watts - Measures energy required to light the product. The lower the wattage, the less energy used. Reported as "Input Power (Watts)" on LM-79 test report.

Lumens per Watt/Efficacy - Measures efficiency. The higher the number, the more efficient the product. Reported as "Efficacy" on LM-79 test report.

IESNA LM-79-2008 - Industry standardized test procedure that measures performance qualities of LED luminaires and integral lamps. Allows for a true comparison of luminaires regardless of the light source.

Model Number - Unique manufacturer's model number for the product.

Type - Specific type of solid-state lighting fixture.

Brand - The brand under which each product is available.

Color Rendering Index (CRI) - Measures color accuracy. Color rendition is the effect of the lamp's light spectrum on the color appearance of objects.

Correlated Color Temperature (CCT) - Measures light color. "Cool" colors have higher Kelvin temperatures (3600–5500 K). "Warm" colors have lower color temperatures (2700–3500 K).



FREE DELIVERY!

Clearwater: (727) 447-7676
 Lakeland: (863) 583-0053
 Pasco: (727) 791-7003

Ft. Myers: (239) 454-2852
 Manatee: (941) 342-8801
 Sarasota: (941) 342-8801

Hernando: (727) 791-7003
 Orlando: (407) 295-0091
 Tampa: (813)-386-0219



Monday through Friday 7:30 am - 5:00 pm





FRONTIER LIGHTING, INC.

Florida's #1 Supplier of Lighting!
2090 Palmetto Street
Clearwater, Florida 33765
sales@FrontierLighting.com

PRESORTED STD
U.S. POSTAGE
PAID
PERMIT #8152
TAMPA, FL

SAVE WITH LOWER LIGHTING COSTS!

My Goals for 2012

- Reduce my Power Consumption by installing more Energy Efficient Lighting!
- Reduce my Maintenance Costs with Long Life Lighting!
- Call Frontier Lighting about that new LED Lighting!