

BRIGHT OPPORTUNITIES

Mass Save® Commercial & Industrial Upstream Lighting Program

NOW AVAILABLE

Discounts on Replacement Lamps

Mass Save has partnered with electrical distributors to offer energy-efficient lamps at discounted prices to the design community, architects, contractors and commercial lighting customers.



Reduced Wattage T8 and T5HO (High Output) Replacement Lamps:

These eligible reduced wattage lamps provide better quality light and lower operating costs.



Upgrade Halogen and Incandescent Lamps to Energy Efficient LED Lamps:

The new generation of LED lamps provides the same high-quality natural color lighting as conventional lamps.

How Does It Work?

Your local electric utility or energy efficiency service provider buys down the incremental cost of premium replacement technology so you can purchase products at a comparable cost to conventional items. The efficiency and long life-span of these lamps require fewer replacement bulbs and save you money on your utility bill as well as labor and replacement costs.

ABOUT MASS SAVE

Mass Save is an initiative sponsored by the Massachusetts' gas and electric utilities and energy efficiency service provider, including Berkshire Gas, Cape Light Compact, Columbia Gas of Massachusetts, National Grid, New England Gas Company, NSTAR, Unitil and Western Massachusetts Electric Company.

The sponsors of Mass Save work closely with the Massachusetts Department of Energy Resources to provide a wide range of services, incentives, trainings, and information promoting energy efficiency that help residents and businesses manage energy use and related costs.

START SAVING NOW!

To learn more about the benefits of high-performance lighting products, contact your local utility, energy efficiency service provider or speak to your local electrical distributor.

Visit us online at MassSave.com/Upstream_Lighting

Some restrictions may apply. By accepting products incentivized by the Mass Save program, you agree to reasonably accommodate inspectors from the program so they may verify installation of the products.



SAVE ENERGY & MONEY

with Energy-Efficient Replacement Lamps

Reduced Wattage T8 and T5HO Lamps

- First-generation T8 lamps (including 700 series or basic grade) have the lowest color rendering and the shortest lifespan among all T8s.
- Typical applications include retail stores, offices, schools, hospitals, machine shops and parking garages.
- Reduced-wattage T8 and T5HO lamps use up to 22% less energy and last 33-67% longer than traditional lamps.
- Reduced-wattage lamps have better color rendering properties and hold their rated lighting levels longer – meaning products and people will appear in a more natural color.

HIGH EFFICIENCY VERSUS CONVENTIONAL COMPARISON

	Reduced Wattage T8 Lamp	Conventional T8 Lamp ¹
Watts²	28	32
Lamp Life³ (in hours)	24,000 - 40,000	18,000 - 24,000
Color Rendering	80 - 85	71 - 81
Mean Lumen Output⁴	2,550 Lumens	2,565 Lumens
Lumen Maintenance	95%	90%
Energy Cost Savings⁵	\$12	\$0

1. Assumes conventional 700 series lamp. 2. Nominal lamp wattage only. Actual wattage will vary by ballast factor and specific ballast used. 3. Assumes instant-start ballast at 3 hours per start. 4. Assumes 1.00 ballast factor. Actual lumen output will vary by ballast used. 5. Energy Cost Savings over life of lamp. Assumes 24,000 hr lamp life @ \$0.12/kwh, 1.0 ballast factor.

Energy-Efficient LED Lamps

- Provide up to 80% energy and cost savings, last at least 10 times longer than traditional lamps, and generate less heat for greater customer comfort and lower A/C costs.
- Typical applications include retail stores, restaurants, hotels, museums and galleries.
- All eligible LED replacement lamps are ENERGY STAR[®] qualified, provide excellent CRI (Color Rendering Index) and have instant-on capability – many are also dimmable.⁶
- LEDs do not contain mercury.

UPGRADE FROM HALOGEN TO LED & START SAVING TODAY^{*}

	Typical Halogen Watts	Typical LED Watts	Annual Cost Savings Per Lamp Installed
PAR38	75	16	\$22
PAR30	60	15	\$17
PAR20	50	8	\$16
MR16	20	6	\$5
A-lamp	60	12	\$18
Decorative Lamp	25	5	\$7.5

*Assumes typical retail operating hours of 10 hours per day, 6 days per week and an electric rate of \$.12/kwh.

6. Check individual LED model product packaging specifications for information on compatible dimmer models.

Brought to you by:



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Western Massachusetts Electric
A Northeast Utilities Company

To learn more about these and other energy efficiency opportunities, please visit MassSave.com/Upstream_Lighting

Note: While Mass Save has made considerable efforts to ensure accurate representation of information, the information provided on this product is based on manufacturer's data. In all cases, lighting designs or modifications should be verified against IESNA lighting standards in order to meet recommended lighting levels.