

National Grid Small Business Program Rebate Manual



nationalgrid

Rebate Manual

Munro Distributing has prepared this manual to aid you and your clients in taking advantage of available rebate programs offered by National Grid.

The enclosed product guide includes fixtures that apply to local prescriptive utility rebate programs. Use of products indicated does not guarantee a rebate. Please contact your local utility and/or Munro Distributing for any questions or concerns pertaining to your project. In addition to those listed, other products may be eligible for rebates. Please contact your Munro Distributing representative for assistance.

Please visit our website for updated Energy Services information regarding new products, links to informative sites and beneficial analysis tools. Please visit us at www.munroelectric.com.

Munro Distributing – 800.777.0172

6/27/10

LED Lamps



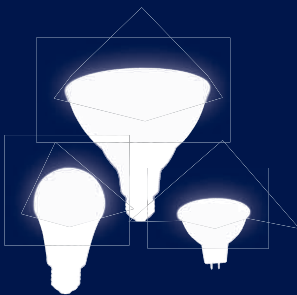
LED Lamps

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Tomorrow, at the speed of light.

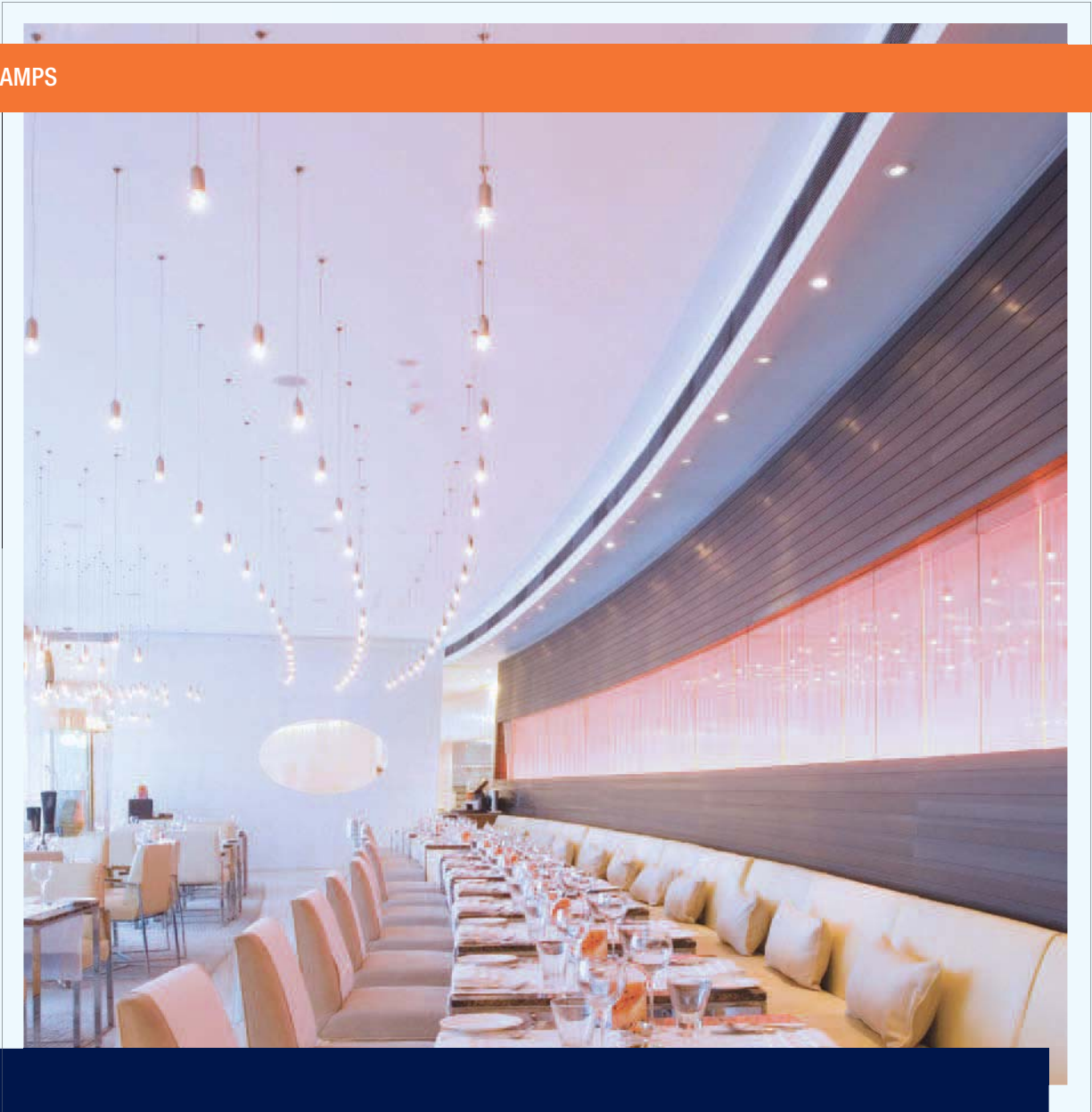
Long-lasting, energy-saving LED retrofit lamps



SEE THE WORLD IN A NEW LIGHT

SYLVANIA





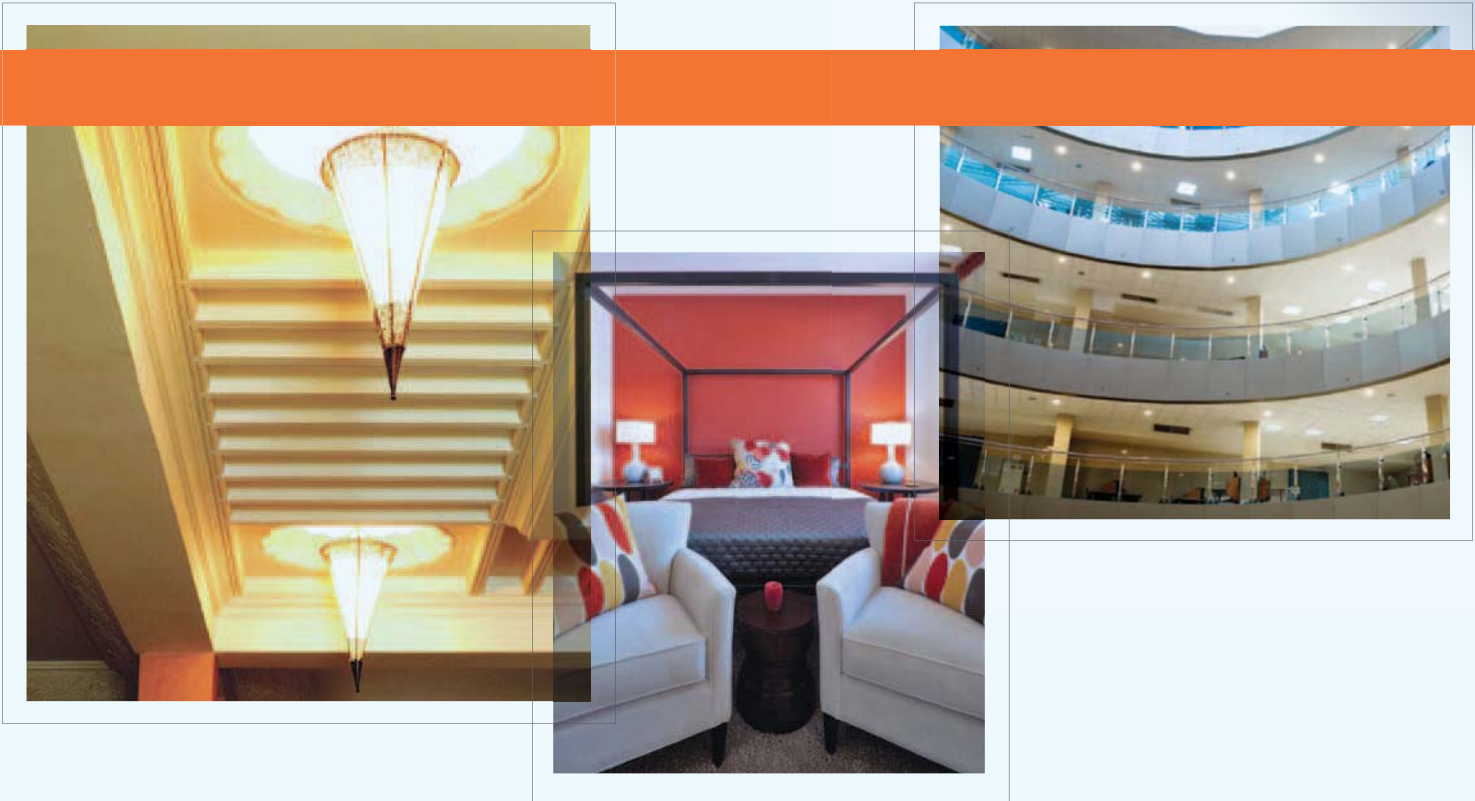
Nice. And easy.

SYLVANIA LED Retrofits for commercial and residential lighting.

Out with the old—and in with the new family of LED retrofit lamps from SYLVANIA. Offering the latest in lighting technology, SYLVANIA LED retrofits provide energy savings, longer life, reliability and sustainability. They are high-quality replacements for conventional light sources for both commercial and consumer applications. And, they use existing socket specifications, so installation couldn't be easier.

SYLVANIA has developed a core portfolio of LED retrofit lamps for a variety of applications. LED retrofits are available in a number of different types, including A-Line and

directional, each with specific performance features. In addition to the standard types, SYLVANIA has engineered versatile and innovative Area Light LED retrofit kits that provide property owners and municipalities with an LED retrofit alternative to existing HID roadway lighting systems. All SYLVANIA LED retrofit lamps are engineered to perform better and more efficiently than the current technology they replace, which is what customers have come to expect from SYLVANIA, a worldwide leader in LED components and systems.



LED Retrofits: Savings for today—and tomorrow.

Versatility

SYLVANIA ULTRA LED PAR20, PAR30 Long Neck, and PAR38 lamps are dimmable and can be used in a variety of applications – both indoors and outdoors. SYLVANIA ULTRA LED A19, G25, and MR16 lamps are also dimmable, and can be used in a variety of indoor applications. The B10 Candle lamp from SYLVANIA transforms a traditional lamp shape into a new form factor while providing all the benefits of LED technology. Furthermore, the SYLVANIA Area Light LED Kits bring LED technology out into the open, providing an alternative to HID (High Intensity Discharge) lighting solutions. This versatility makes SYLVANIA LED retrofit lamps the perfect choice in a large variety of applications.

Long service life

LED retrofit lamps are rated for up to 50,000 hours at 70% lumen maintenance. That's equivalent to replacing more than 50 standard incandescent lamps or 5 compact fluorescent lamps. They're ideal for hard-to-reach locations, since longer re-lamping intervals lower your maintenance costs.

Reliability

LED lamps have a robust design that makes them easy to handle and more resistant to temperature fluctuations and shock. Plus, LEDs are immune to frequent switching cycles that would incapacitate traditional light sources.

Sustainable by design

SYLVANIA LED lamps are environmentally preferable products. They are RoHS compliant, containing no mercury, lead, or other hazardous materials. They emit no UV or IR radiation.

Reduced energy consumption

LED lamps save up to 84% in energy costs compared to the traditional lamps they replace. They generate very little heat and have little impact on HVAC costs compared to incandescent lamps that waste up to 80% of their energy producing heat.

Quality of light

LED light sources excel at making things look their best. They feature high color saturation and natural color rendering which is critical for retail, commercial, hospitality, medical and residential environments. Since they emit no UV or IR radiation, there is far less potential for fading or discoloration of materials or décor. LED lamps provide 100% illumination at start up and are flicker-free.

American Recovery and Reinvestment Act of 2009

For purposes of ARRA, these products are made in the US.



This light source meets restrictions on hazardous substances.

LED RETROFIT LAMPS



Typical applications:

Offices
Healthcare
Hospitality
Residential
Restaurants

ULTRA LED Retrofit A-line Lamps

LED technology offers reduced energy and maintenance costs when compared with conventional light sources. Consuming only 8W and lasting 33 times longer, ULTRA LED A19 retrofit lamps are high quality replacements for 40W incandescent lamps. They are free of UV and IR radiation minimizing discoloration and fading of materials. These lamps are dimmable down to 10%*, and are rated at 50,000 hours life with a correlated color temperature (CCT) of 3000K and 85 CRI.

- No warm-up time, instant-on with full light output and stable color
- 50,000 hours average rated life at 70% lumen maintenance
- RoHS compliant
- For use in indoor environments
- Suitable for dimmers or in luminaires controlled by a dimmer

LED A-Line Product Offering

Item Number	Ordering Description	Wattage	Bulb Type	Color Temperature	Lumens	CRI
78642	LED8A/DIM/F/830	8W	A19	3000K	430 lm	85



Typical applications:

- Hospitality
- Residential
- Restaurants

ULTRA LED Retrofit G25 Lamps

LED technology offers reduced energy and maintenance costs when compared with conventional light sources. Consuming only 8W and lasting 33 times longer, ULTRA LED G25 retrofit lamps are high quality replacements for 40W incandescent lamps. They are free of UV and IR radiation minimizing discoloration and fading of materials. These lamps are dimmable down to 10%*, and are rated at 50,000 hours life with a correlated color temperature (CCT) of 3000K and 85 CRI.

- No warm-up time, instant-on with full light output and stable color
- 50,000 hours life at 70% lumen maintenance
- RoHS compliant
- For use in indoor environments
- Suitable for dimmers or in luminaires controlled by a dimmer

LED G25 Product Offering

Item Number	Ordering Description	Wattage	Color Temperature	Lumens	CRI
78643	LED8G25/DIM/F/830	8W	3000K	450 lm	85

LED RETROFIT LAMPS



Typical applications:

Commercial/Office
Conference Rooms
Entryways
Hospitality
Lobbies
Museums
Restaurants
Retail

ULTRA LED Retrofit MR16 Lamps

LED technology reduces energy and maintenance costs when compared to conventional light sources. Lasting 17 times longer, 6W ULTRA LED Retrofit MR16 lamps are high quality replacements for 20W halogen MR16 lamps. They are free of UV and IR radiation minimizing discoloration and fading of materials. These lamps are dimmable down to 10%*, and are rated at 35,000 hours life with a correlated color temperature (CCT) of 3000K and 87 CRI. They are available with GU5.3 bases and 25° and 36° beam angles.

- No warm-up time, instant-on with full light output and stable color
- 35,000 hours life at 70% lumen maintenance
- RoHS compliant
- For use in indoor environments
- Suitable for dimmers or in luminaires controlled by a dimmer

LED MR16 Product Offering

Item Number	Ordering Description	Wattage	Beam Angle	Color Temperature	Lumens	CBCP	CRI
78634	LED6MR16/DIM/830/NFL25	6W	25°	3000K	300 lm	860 cd	87
78635	LED6MR16/DIM/830/FL36	6W	36°	3000K	300 lm	590 cd	87



Typical applications:

- Accent/display lighting
- Art galleries
- Hotels
- Lobbies
- Offices
- Recessed cans
- Residential
- Restaurants
- Retail

ULTRA LED Retrofit PAR20 Lamps

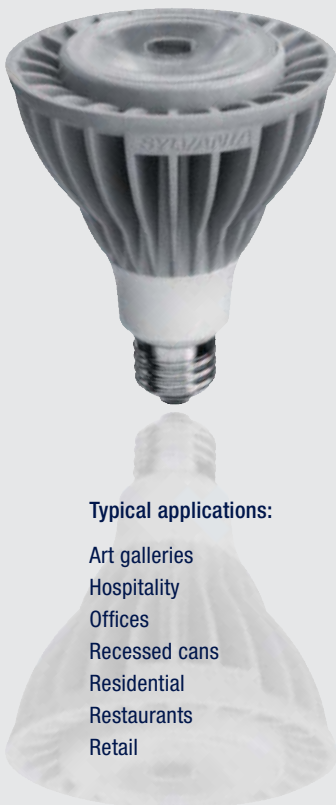
LED technology offers reduced energy and maintenance costs when compared with conventional light sources. Lasting 20 times longer and using only 8 watts, ULTRA LED PAR20 lamps are a high quality replacement for 50W halogen PAR20 lamps. They are free of UV and IR radiation, minimizing discoloration and fading of materials. These lamps are dimmable down to 10%*, and are rated at 50,000 hours life with a correlated color temperature (CCT) of 3000K and 85 CRI. These lamps are available with 25° and 36° beam angles.

- No warm-up time, instant-on with full light output and stable color
- 50,000 hours life at 70% lumen maintenance
- RoHS compliant
- Suitable for use in indoor and outdoor environments
- Suitable for dimmers or in luminaires controlled by a dimmer

LED PAR20 Product Offering

Item Number	Ordering Description	Wattage	Beam Angle	Color Temperature	Lumens	CBCP	CRI
78636	LED8PAR20/DIM/830/NFL25	8W	25°	3000K	350 lm	1260 cd	85
78637	LED8PAR20/DIM/830/FL36	8W	36°	3000K	350 lm	713 cd	85

LED RETROFIT LAMPS



Typical applications:

Art galleries
Hospitality
Offices
Recessed cans
Residential
Restaurants
Retail

ULTRA LED Retrofit PAR30 Long Neck Lamps

LED technology offers reduced energy and maintenance costs when compared with conventional light sources. ULTRA LED PAR30 Long Neck retrofit lamps are intended to be a high quality replacement for 50W halogen PAR30 Long Neck halogen lamps while offering 20 times the life. They are free of UV and IR radiation, minimizing discoloration and fading of materials. These lamps are dimmable down to 10%*, and are rated at 50,000 hours life with a correlated color temperature (CCT) of 3000K and 87 CRI. These lamps are available with 25° and 40° beam angles.

- No warm-up time, instant-on with full light output and stable color
- 50,000 hours life at 70% lumen maintenance
- RoHS compliant
- Suitable for use in indoor and outdoor environments
- Suitable for dimmers or in luminaires controlled by a dimmer

LED PAR30LN Product Offering

Item Number	Ordering Description	Wattage	Beam Angle	Color Temperature	Lumens	CBCP	CRI
78638	LED15PAR30LN/DIM/830/NFL25	15W	25°	3000K	770 lm	2900 cd	87
78639	LED15PAR30LN/DIM/830/FL40	15W	40°	3000K	770 lm	1300 cd	87



Typical applications:

- Art galleries
- Hospitality
- Offices
- Recessed cans
- Residential
- Restaurants
- Retail

ULTRA LED Retrofit PAR38 Lamps

LED technology reduces energy and maintenance costs when compared with conventional light sources. Lasting 20 times longer and with only 18 watts, ULTRA LED PAR38 lamps are high quality replacements for 75W halogen PAR38 lamps. They are free of UV and IR radiation, minimizing discoloration and fading of materials. These lamps are dimmable down to 10%*, and are rated at 50,000 hours life with a correlated color temperature (CCT) of 3000K and 87 CRI. These lamps are available with 25° and 40° beam angles.

- No warm-up time, instant-on with full light output and stable color
- 50,000 hours life at 70% lumen maintenance
- RoHS compliant
- Suitable for use in indoor and outdoor environments
- Suitable for dimmers or in luminaires controlled by a dimmer

LED PAR38 Product Offering

Item Number	Ordering Description	Wattage	Beam Angle	Color Temperature	Lumens	CBCP	CRI
78640	LED18PAR38/DIM/830/NFL25	18W	25°	3000K	900 lm	3100 cd	87
78641	LED18PAR38/DIM/830/FL40	18W	40°	3000K	900 lm	1500 cd	87