

ULTRA LED Retrofit G25 Lamps

Dimmable



LED technology offers reduced energy and maintenance costs when compared with conventional light sources. Consuming only 8W and lasting 33 times longer, 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 rated at 50,000 hours life with a correlated color temperature (CCT) of 2700K and 3000K.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. For FCC Part 15 user information, please see www.sylvania.com/fccpart15

Key Features & Benefits

- 8W LED lamp designed as high quality replacement of 40W incandescent G25 lamps
- Dimmable 10%–100%*
- 50,000 hours life at 70% lumen maintenance
- Suitable for indoor environments
- Available in 2700K and 3000K CCT with 85 CRI
- Medium base for direct incandescent replacement
- Power factor 0.95
- Reduces energy consumption up to 80%
- Lasts 33 times longer than incandescent lamps
- No warm-up time, instant-on with full light output and stable color
- Mercury free and RoHS compliant
- UV and IR free

* Performance may vary depending on dimmer used in application



Product Offering

| Item Number | Ordering Abbreviation | Wattage (W) | Bulb Type | Color Temperature | R9 |
|-------------|-----------------------|-------------|-----------|-------------------|----|
| 78643 | LED8G25/DIM/F/830 | 8 | G25 | 3000K | 44 |
| 78661 | LED8G25/DIM/F/827 | 8 | G25 | 2700K | 46 |

Application Information

Market Segments

- Gaming casinos and theme parks
- Hospitality
- Residential

Application Notes

1. Operating temperature range between -40°F and +113°F (-40°C and +45°C)
2. UL1993 listed
3. For use in indoor environments
4. Suitable for dimmers or in luminaires controlled by a dimmer
5. Not intended for use with emergency light fixtures or exit lights



Specification Data

| | |
|----------------------|------|
| Fixture Description: | Type |
| Project/Job: | |
| SYLVANIA lamp: | |
| SYLVANIA ballast: | |
| Notes: | |

Ordering Information

| Item Number | Ordering Abbreviation | Wattage (W) | Base Type | Input Voltage (VAC) | Average Rated Life (hrs.) ¹ | Typical Lumens (lm) ² | CCT ³ | CRI ⁴ | Power Factor |
|-------------|-----------------------|-------------|-----------|---------------------|--|----------------------------------|------------------|------------------|--------------|
| 78643 | LED8G25/DIM/F/830 | 8 | Medium | 120 | 50,000 | 450 | 3000K | 85 | 0.95 |
| 78661 | LED8G25/DIM/827 | 8 | Medium | 120 | 50,000 | 420 | 2700K | 86 | 0.94 |

- Hours lifetime with 70% lumen maintenance
- Thermally stable typical lumens ($\pm 10\%$)
- Thermally stable typically CCT ($\pm 10\%$)
- CRI – color rendering index

Ordering Guide

| LED | 8 | G25 | / | DIM | / | F | / | 830 |
|-------------------------|-----------|----------------|---|----------|---|-------------------|---|-----------------------------------|
| LED Lamps and Retrofits | Wattage 8 | Lamp Type: G25 | | Dimmable | | Frosted Enclosure | | CRI, CCT: 830: 80+ CRI, 3000K CCT |

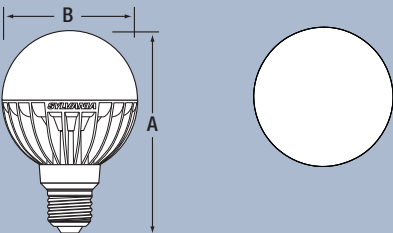
Recommended Dimmer List

| Make | Dimmer | Dimmer Max. Wattage | Max. Lamps per Dimmer | Make | Dimmer | Dimmer Max. Wattage | Max. Lamps per Dimmer |
|--------|-------------|---------------------|-----------------------|---------|-----------|---------------------|-----------------------|
| Lutron | S-600PR-WH | 600 | 6 | Lutron | LG-600P | 600 | 6 |
| Lutron | DV-600PR-WH | 600 | 6 | Lutron | D-600PH | 600 | 6 |
| Lutron | TG-600PR-WH | 600 | 6 | Lutron | TT-300NLH | 600 | 6 |
| Lutron | AY600P | 600 | 6 | Lutron | TG-603PG | 300 | 3 |
| Lutron | Q600P | 600 | 6 | Leviton | 6633-PL | 600 | 6 |
| Lutron | GL600 | 600 | 6 | Leviton | 6684 | 600 | 6 |
| Lutron | CN-600PHW | 600 | 6 | Leviton | 6631 | 600 | 6 |
| Lutron | DV-603PG | 600 | 6 | Leviton | IPI06-1LX | 600 | 6 |
| Lutron | S-600 | 600 | 6 | | | | |
| Lutron | S-600P | 600 | 6 | | | | |

See the complete list of recommended dimmers at www.mySylvania.com

Lamp Dimensions

| | (A) MOL (inches) | (B) Diameter (inches) |
|-------------|------------------------|-----------------------------|
| LED8G25/DIM | 4.7 | 3.1 |



Energy Savings

| Basic Product Description | LED Life (hrs.) | Similar Incandescent | Incandescent Life (hrs.) | Incandescent Lumens | Watts Saved | Energy Savings* | LED Life vs. Incandescent Life |
|---------------------------|-----------------|----------------------|--------------------------|---------------------|-------------|-----------------|--------------------------------|
| LED8G25/DIM | 50,000 | 40G25 | 1,500 | 275 | 32 | \$176 | 33x |

*Energy savings over life of lamp calculated at \$0.11/kWh

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SYLVANIA

lighting facts^{CM}


A Program of the U.S. DOE

| | |
|----------------------------|-----|
| Light Output (Lumens) | 450 |
| Watts | 8 |
| Lumens per Watt (Efficacy) | 56 |

| | |
|---|----|
| Color Accuracy Color Rendering Index (CRI) | 85 |
|---|----|

Light Color
Correlated Color Temperature (CCT)

3000 (Bright White)



2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

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

Registration Number: SBZT-EVGVF8
Model Number: LED8G25/DIM/F/830
Type: Replacement lamp

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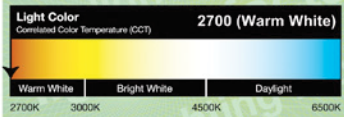
A Program of the U.S. DOE

| | |
|----------------------------|-----|
| Light Output (Lumens) | 422 |
| Watts | 8 |
| Lumens per Watt (Efficacy) | 52 |

| | |
|---|----|
| Color Accuracy Color Rendering Index (CRI) | 86 |
|---|----|

Light Color
Correlated Color Temperature (CCT)

2700 (Warm White)



2700K 3000K 4500K 6500K

Warm White Bright White Daylight

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

Registration Number: SBZT-DT7VSR
Model Number: LED8G25/DIM/F/827
Type: Replacement lamp - Decorative

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