

Warm Selectable LED Lamps



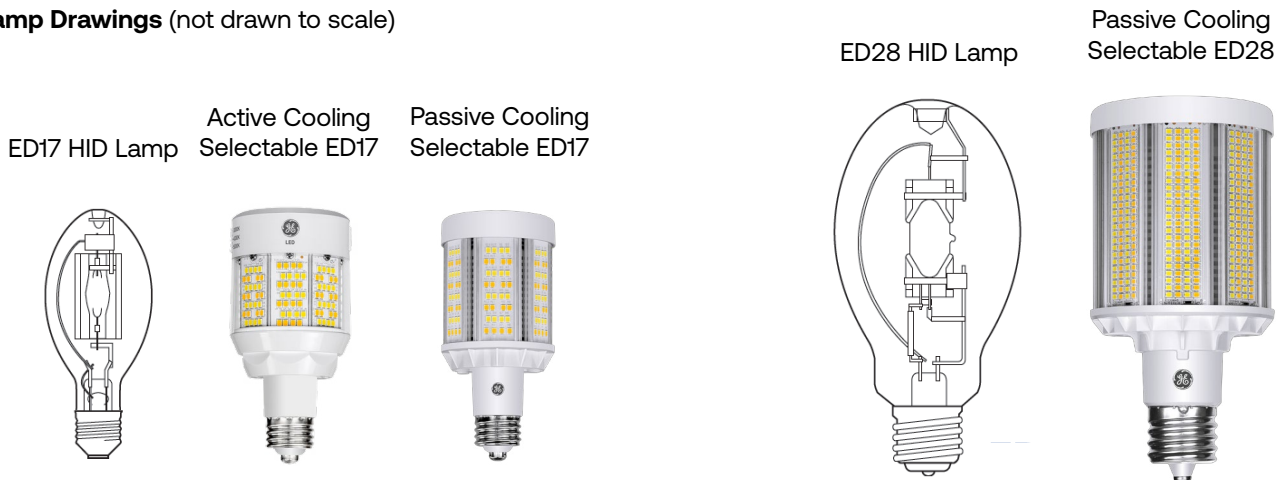
Warm Selectable LED Lamps

Current's **Warm Selectable LED Replacement Lamps** are designed for applications that require warmer color temperatures to better replicate High Pressure Sodium for residential neighborhoods or Dark Sky areas. LumenChoice® + SpectraChoice™ lamps allow installers to react to a wide variety of needs, providing the ability to adjust both the color temperature of the light and the brightness with built-in switches, no tools required. Warm Selectable LED Replacement Lamps allow you to keep the existing aesthetics, but achieve the energy savings and maintenance benefits of LED in the simplest way possible.

- **LumenChoice®** allows you to select the wattage and lumen level required for each lighting application, providing a simple way to use only the amount of light that is required and to avoid overlit spaces.
- **SpectraChoice™** allows you to select the color temperature that makes the most sense for every space. Warm Selectable lamps provide color temperature options beyond standard lamps and can align with the traditional High Pressure Sodium (HPS) look & feel.
 - **1800K** is a close match to the existing HPS lamp color temperature and would allow for spot or small batch re-lamping. Provides a transition to LED to maximize energy and maintenance savings without introducing potentially disruptive “cool” white light.
 - **2200K** provides a warm feel that is commonly associated with “vintage” LED lamp products, but not as yellow as HPS.
 - **2700K** provide an opportunity to use LED to get a whiter light while not introducing too much blue light that could be disruptive in a residential setting. Commonly used inside homes (known as “soft white”) and aligns with the CCT of low wattage incandescent lamps of the past.
- **Ease of Installation:** GE LED lamps meet the ANSI length and diameter of traditional HID bulb shapes to ensure that they fit into existing fixtures and utilize the optics designed for traditional lamps.
- **Cost Effective:** LED replacement lamps are less expensive than new LED fixtures, making them a more budget-friendly option that may also avoid the hassle of approving capital improvement funds.
- **Enhanced Lighting Quality:** LED provides a significant increase in CRI compared to High Pressure Sodium lamps, from 21 to 70 CRI.

Current's **LED HID Warm Selectable Replacement Lamps** are designed to provide high output from a compact size. The length and diameter match HID ANSI profiles. These lamps feature omnidirectional light output, with similar distribution to traditional HID lamps. This enables GE LED lamps to fit in a variety of fixtures while providing equivalent light levels to HID, making it possible to upgrade more applications without replacing an entire fixture. All of the GE LED lamps in this category are Type B, which means the fixture is re-wired to bypass the ballast. The lamp drawings below illustrate how similar in size GE LED lamps are to traditional bulbs.

Lamp Drawings (not drawn to scale)





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Residential post top street lights in New Brunswick were upgraded using GE LED lamps. Warm SpectraChoice™ ED17 lamps replaced 100W High Pressure Sodium lamps. The 2700K color temperature setting maintained a warm feel for residents, whiter than HPS but not too blue, and the 45W setting provided plenty of light.

Before: 100W High Pressure Sodium HID Lamps

After: LED HID Warm SpectraChoice™ ED17 Lamps, 45W 2700K



Before: 100W High Pressure Sodium (HPS) lamps emit a yellow-orange glow throughout the neighborhood, washing out colors due to low CRI. Warm white lights on the houses appear to be a cooler blue color temperature relative to HPS.

After: 45W LED lamps produce a warm white light, and improved CRI allows colors to be seen, like the orange driveway markers. The light appears visually brighter. Warm white lights on the houses appear to be consistent with the 2700K LED street lights.



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CUSTOMER NAME _____
 PROJECT NAME _____
 DATE _____ NOTES _____

Warm Selectable LumenChoice® + SpectraChoice™ HID Replacement - Type B

Bulb Shape	Base Type	Order Code	Description	Volts	Carton Qty ²	MOL (in)	MOD (in)	Selectable Watts*	Selectable Lumens (Initial)*	Selectable Color Temp. (Initial)*	Wattage Replacement ⁶	CRI	Rated Life L70 (Hrs) ¹	DLC ^{3,7}	Location Rating ^{4,5}
LED Replacement Lamp for HID - Ballast Bypass (Type B)															
ED17	E26/ EX39	93315986	LED/LC/ED17/7WSC/120-347	120-347	3	5.4	2.6	21	2,450	1800K	35W HPS / 50W MH	>70	50,000	-	Damp
									3,000	2200K	35W HPS / 50W MH				
									3,300	2700K	50W HPS / 50W MH				
									3,950	1800K	35W HPS / 50W MH				
									4,900*	2200K*	50W HPS / 70W MH				
									5,350	2700K	70W HPS / 70W MH				
									4,900	1800K	50W HPS / 70W MH				
									6,200	2200K	70W HPS / 70W MH				
									6,650	2700K	70W HPS / 100W MH				

Passive Warm Selectable LumenChoice® + SpectraChoice™ HID Replacement - Type B

Bulb Shape	Base Type	Order Code	Description	Volts	Carton Qty ²	MOL (in)	MOD (in)	Selectable Watts*	Selectable Lumens (Initial)*	Selectable Color Temp. (Initial)*	Wattage Replacement ⁶	CRI	Rated Life L70 (Hrs) ¹	DLC ^{3,7}	Location Rating ^{4,5}
LED Replacement Lamp for HID - Ballast Bypass (Type B)															
ED17	E26	93318489	LED/LC/ED17P/7WSC/120-347	120-347	3	5.6	2.6	13	1,600	1800K	35W HPS / 50W MH	>70	50,000	-	Damp
									2,000	2200K	35W HPS / 50W MH				
									2,200	2700K	35W HPS / 50W MH				
									2,200	1800K	35W HPS / 50W MH				
									2,700	2200K	35W HPS / 50W MH				
									3,000	2700K	35W HPS / 50W MH				
									2,800	1800K	35W HPS / 50W MH				
									3,400*	2200K*	35W HPS / 50W MH				
									3,900	2700K	50W HPS / 70W MH				
									6,300	1800K	70W HPS / 70W MH				
ED28	EX39	93319614	LED/LC/ED28P/7WSC	120-277	3	8.3	4.1	46	7,600	2200K	70W HPS / 100W MH	>70	50,000	-	Damp
									8,400	2700K	100W HPS / 150W MH				
									7,600	1800K	70W HPS / 100W MH				
									9,300	2200K	100W HPS / 100W MH				
									10,000	2700K	150W HPS / 150W MH				
									9,000	1800K	100W HPS / 100W MH				
									11,000*	2200K*	150W HPS / 100W MH				
									12,000	2700K	150W HPS / 150W MH				

These products are covered by U.S. Patent 10508776. These products may also be covered by other U.S. patents or pending applications.

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = 1

³ E26 based products are not eligible for DLC. Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

⁴ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁵ Not suitable for air-tight explosive or hazardous fixtures.

⁶ Wattage Replacement levels correspond with wattage levels. Wattage Replacements based on NEMA Standards Publication LL 10-2020 *Replacing HID Lamps with LED Lamps: Light Output Equivalency Claims*.

⁷ Do not use with phase-cut dimmers. Use integrated switch for dimming.

* Default wattage and color temperature settings noted by "*" in tables above.

