

LED TYPE	VOLTS	WATTS	LUMENS	BASE TYPE	DIMENSIONS	COLOR TEMP	PART #	RECOMMENDED REPLACEMENT
 CLEAR  FROSTED G14	110-120V	4W	350	E26 (MEDIUM)	2" X 3.25"	2700K	LED-4W-G14HYBRID-DIM LED-4WF-G14HYBRID-DIM	40W INCANDESCENT
*F = frosted								
LED TYPE	VOLTS	WATTS	LUMENS	BASE TYPE	DIMENSIONS	COLOR TEMP	PART #	RECOMMENDED REPLACEMENT
 CLEAR  FROSTED S14	110-120V	2W	180	E26 (MEDIUM)	1.7" X 3.3"	2700K	LED-2W-S14HYBRID-DIM LED-2WF-S14HYBRID-DIM	25W INCANDESCENT
	110-120V	4W	350	E26 (MEDIUM)	1.7" X 3.3"	2700K	LED-4W-S14HYBRID-DIM LED-4WF-S14HYBRID-DIM	40W INCANDESCENT
*F = frosted								
LED TYPE	VOLTS	WATTS	LUMENS	BASE TYPE	DIMENSIONS	COLOR TEMP	PART #	RECOMMENDED REPLACEMENT
 CLEAR  WHITE GLOBE G25/G30/G40	110-120V	4W	350	E26 (MEDIUM)	G25: 3.1" X 4.6" G30: 3.7" X 5.4" G40: 4.9" X 6.9"	2700K	LED-4W-G25HYBRID-DIM LED-4WH-G25HYBRID-DIM LED-4W-G30HYBRID-DIM LED-4WH-G30HYBRID-DIM LED-4W-G40HYBRID-DIM LED-4WH-G40HYBRID-DIM	40W INCANDESCENT
	110-120V	6W	480	E26 (MEDIUM)	G25: 3.1" X 4.6" G30: 3.7" X 5.4" G40: 4.9" X 6.9"	2700K	LED-6W-G25HYBRID-DIM LED-6WH-G25HYBRID-DIM LED-6W-G30HYBRID-DIM LED-6WH-G30HYBRID-DIM LED-6W-G40HYBRID-DIM LED-6WH-G40HYBRID-DIM	60W INCANDESCENT
	110-120V	8W	690	E26 (MEDIUM)	G25: 3.1" X 4.6" G30: 3.7" X 5.4" G40: 4.9" X 6.9"	2700K	LED-8W-G25HYBRID-DIM LED-8WH-G25HYBRID-DIM LED-8W-G30HYBRID-DIM LED-8WH-G30HYBRID-DIM LED-8W-G40HYBRID-DIM LED-8WH-G40HYBRID-DIM	75W INCANDESCENT
*H = white								
LED TYPE	VOLTS	WATTS	LUMENS	BASE TYPE	DIMENSIONS	COLOR TEMP	PART #	RECOMMENDED REPLACEMENT
 SILVER BOWL G25/G30/G40	110-120V	4W	350	E26 (MEDIUM)	G25: 3.1" X 4.6" G30: 3.7" X 5.4" G40: 4.9" X 6.9"	2700K	LED-4WSB-G25HYBRID-DIM LED-4WSB-G30HYBRID-DIM LED-4WSB-G40HYBRID-DIM	40W INCANDESCENT
	110-120V	6W	480	E26 (MEDIUM)	G25: 3.1" X 4.6" G30: 3.7" X 5.4" G40: 4.9" X 6.9"	2700K	LED-6WSB-G25HYBRID-DIM LED-6WSB-G30HYBRID-DIM LED-6WSB-G40HYBRID-DIM	60W INCANDESCENT
	110-120V	8W	690	E26 (MEDIUM)	G25: 3.1" X 4.6" G30: 3.7" X 5.4" G40: 4.9" X 6.9"	2700K	LED-8WSB-G25HYBRID-DIM LED-8WSB-G30HYBRID-DIM LED-8WSB-G40HYBRID-DIM	75W INCANDESCENT
*SB = silver bowl								
LED TYPE	VOLTS	WATTS	LUMENS	BASE TYPE	DIMENSIONS	COLOR TEMP	PART #	RECOMMENDED REPLACEMENT
 MINI REFLECTOR	110-120V	2W	180	E14	2" X 3.3"	2700K	LED-2W-R50HYBRID-DIM	25W INCANDESCENT
	110-120V	4W	350	E14	2" X 3.3"	2700K	LED-4W-R50HYBRID-DIM	40W INCANDESCENT
Non-stock items may require a minimum order amount. Consult factory.								

LED TYPE	VOLTS	WATTS	LUMENS	BASE TYPE	DIMENSIONS	COLOR TEMP	PART #	RECOMMENDED REPLACEMENT
 R20	110-120V	4W	350	E26 (MEDIUM)	R20: 2.48" X 4.25" R30: 3.14" X 4.40"	2700K	LED-4W-R20HYBRID-DIM LED-4W-R30HYBRID-DIM	40W INCANDESCENT
	110-120V	6W	480	E26 (MEDIUM)	R20: 2.48" X 4.25" R30: 3.14" X 4.40"	2700K	LED-6W-R20HYBRID-DIM LED-6W-R30HYBRID-DIM	60W INCANDESCENT
LED TYPE	VOLTS	WATTS	LUMENS	BASE TYPE	DIMENSIONS	COLOR TEMP	PART #	RECOMMENDED REPLACEMENT
 T10 CLEAR FROSTED	110-120V	4W	350	E26 (MEDIUM)	1.18" X 5"	2700K	LED-4W-T10HYBRID-DIM LED-4WF-T10HYBRID-DIM	40W INCANDESCENT
	110-120V	8W	690	E26 (MEDIUM)	1.18" X 5"	2700K	LED-8W-T10HYBRID-DIM LED-8WF-T10HYBRID-DIM	75W INCANDESCENT
*F = frosted								
Non-stock items may require a minimum order amount. Consult factory. Tuff coating available on request.								

The new, **HYBRID LED** is the latest innovation in LED technology from Aamsco. To achieve the resemblance of a standard incandescent bulb, COB (chips on board) LED Technology is used to create a “filament.”

How does the process work?

Multi, small sized LED chips are attached directly onto a **sapphire** substrate using special thermally conductive epoxy or adhesive. Then, they are wire bonded together to achieve an electrical connection.

The HYBRID LED uses a **sapphire** substrate as opposed to an aluminum one that is used in most other COB packaging. Aluminum substrates are inexpensive and have less reliability. **Sapphire** substrates are a little more expensive, but are much more reliable in terms of heat dissipation and higher thermal conductivity.

The **sapphire** substrate acts as the heat sink so there is no need for a “visible” heat sink. The closeness of the single LED chips evokes the impression of one common light source; it doesn’t look like many LEDs, but like one single illuminant, just like a conventional light source. No more color shades or single color dots. Each “filament” is wired in parallel so that if one should go out, the others will stay lit.

Advantages of COB technology:

- High conductivity
- Low thermal resistance resulting in longer life
- High light efficacy: capable of 100-120lm/w
- CRI >80
- No glare
- High brightness, high durability
- Capable of being used in small, compact glass shapes
- High voltage resistance: >4000V
- Ability to operate under ambient temperatures of -30°C and +50°C

The HYBRID LED can be used in enclosed fixtures as long as there is ample room for heat dissipation. It is not suitable for damp or wet locations.