



ALL GLASS HYBRID LED

It looks and acts just like an incandescent bulb!

This LED is the solution for all your lighting needs.

It looks so close to an incandescent that you won't believe it's an LED.

**NO VISIBLE HEAT SINK • UNIQUE FILAMENT DESIGN • 15,000 HOURS LIFE
HIGH CRI >80 • >80 LUMENS PER WATT • 2700K WARM WHITE**

AVAILABLE IN VARIOUS GLASS SHAPES



www.aamsco.com

100 LAMP LIGHT CIRCLE
SUMMERVILLE, SC 29483
800-221-9092

LED TYPE	VOLTS	WATTS	LUMENS	BASE TYPE	DIMENSIONS	COLOR TEMP	PART #	RECOMMENDED REPLACEMENT
 A19	110-120V	4W 6W	320 480	E27 (MEDIUM)	2.4" X 4.25"	2700K	LED-4W-A19HYBRID-DIM LED-6W-A19HYBRID-DIM	40W INCANDESCENT 60W INCANDESCENT
 TORPEDO	110-120V	2W 4W	180 320	E12 (CANDELABRA)	1.3" X 3.9"	2700K	LED-2W-B10HYBRID-DIM LED-4W-B10HYBRID-DIM	25W INCANDESCENT 40W INCANDESCENT
 ST64*	110-120V	3W 6W	240 480	E27 (MEDIUM)	2.5" X 5.5"	2400-2600K	LED-3W-ST64HYBRID-DIM LED-6W-ST64HYBRID-DIM	30W INCANDESCENT 60W INCANDESCENT
 G14 BALL	110-120V	4W	320	E27 (MEDIUM)	2" X 3.25"	2700K	LED-4W-G14HYBRID-DIM	40W INCANDESCENT
 S14	110-120V	2W	180	E27 (MEDIUM)	1.7" X 3.3"	2400-2600K	LED-2W-S14HYBRID-DIM	15W INCANDESCENT
 GLOBE-G25/G30/G40	110-120V	4W 6W	320 480	E27 (MEDIUM)	G25: 3.1" X 4.6" G30: 3.7" X 5.4" G40: 1.5" X 6.9"	2400-2600K	LED-4W-G25HYBRID-DIM LED-6W-G25HYBRID-DIM LED-4W-G30HYBRID-DIM LED-6W-G30HYBRID-DIM LED-4W-G40HYBRID-DIM LED-6W-G40HYBRID-DIM	40W INCANDESCENT 60W INCANDESCENT
 MINI REFLECTOR	110-120V	2W 4W	180 320	E14	2" X 3.3"	2700K	LED-2W-R50HYBRID-DIM LED-4W-R50HYBRID-DIM	25W INCANDESCENT 40W INCANDESCENT
*Available in tinted amber glass.								Frosted glass available on select types. Minimum order quantities apply to non-stock items

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 **ceramic** substrate using special thermally conductive epoxy or adhesive. Then, they are wire bonded together to achieve an electrical connection.

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

The **ceramic** 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 >85
- 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.



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