

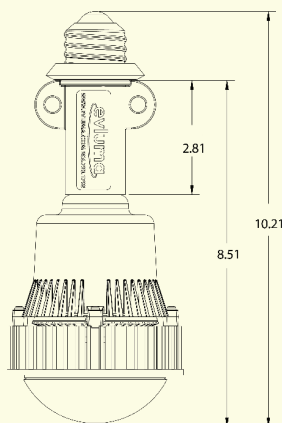
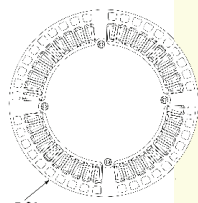
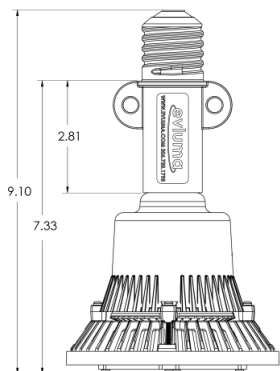
Clearlight LED Replacement Lamps



EcoSpot



Beacon



Ask about alternative in-fixture mounting options.

Description

The Clearlight family of LED replacement lamps is used in mogul base, dusk-till-dawn, outdoor fixtures. Each lamp is approved for use in fixtures using 50-175W MV, or 70-150W HPS bulbs. Because Clearlights are direct screw-in replacements, owners of dusk-till-dawn fixtures are able to take advantage of the improvements in energy efficiency, night-time visibility, and color quality related to using LED technology without discarding existing assets.

Construction

- Die cast aluminium, powder coated housing.
- Forged aluminium heatsink (Beacon).
- High efficiency reflective optics with a customized, impact-modified optical acrylic diffused cover.
- Contains 16 long life LEDs.
- Silicone encapsulated integral driver in weather tight compartment.
- Durable and shatter resistant .
- Mercury Free. PCBs and solder are lead free. Emits no UV.

Electrical Performance

- Input Voltage = 120VAC/ 277VAC, 60Hz.
- Power factor >0.9.
- Integral high efficiency LED Driver.
- Class C lightning strike protection for long life in harsh electrical environments.
- Suitable for outdoor use in ambient air temperatures -40°C to 45°C. No warm up time is required; on/off is instant without reducing the service life of the lamp.

Thermal Management

Lamp uses active cooling with no frictional parts to rub or wear out. LED life is assured by patent pending protection circuitry that controls current levels to the LEDs based on temperature. Temperature is measured at the LED package, often referred to as the solder point temp, or T_{SP} . At 65°C the fixture begins to cut back on the current to the LEDs to either maintain, or reduce the temperature back down to 65°C. Thermal management is the key to the Clearlight's long life and 70,000 hour L70, easily 3x that of legacy MV or HPS.

Compatibility

Compatible with 50-175W MV or 70-150W HPS mogul base, dusk-till-dawn fixtures, sometimes referred to as NEMA Type 5, or IESNA Type V.

Maintenance Time and Efficiency

Clearlight replacement lamps require less maintenance than HPS, or MV bulbs; no more replacing the ballast or the starter as neither is required for operation once a Clearlight is installed. Left installed, the ballast continues to run independently. Make your fixture ultra efficient by wiring around the ballast. Ask a sales representative for a payback calculator.

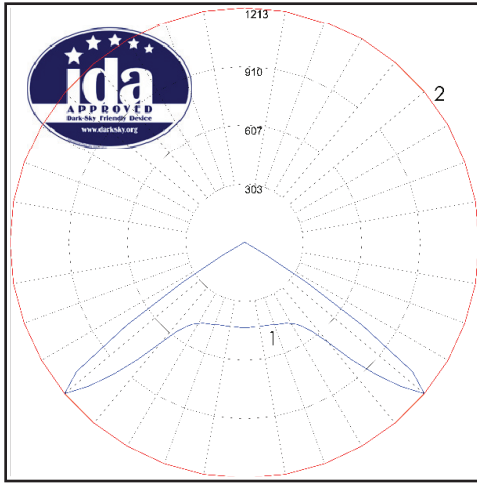
Warranty

5 year parts and labor warranty.

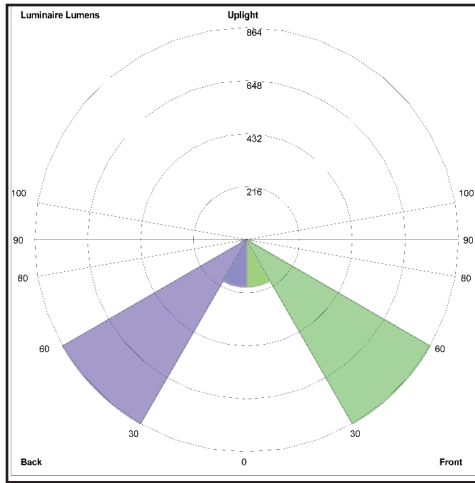


Clearlight LED Replacement Lamps

EcoSpot 40W LED Clearlight

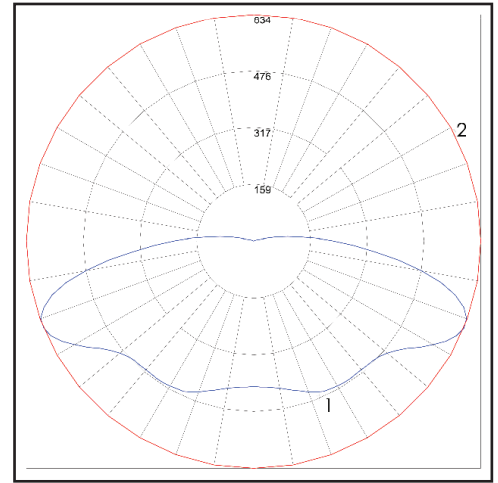


EcoSpot Polar Candela Distribution:
Plot 1: Vertical plane through horizontal angles
Plot 2: Horizontal cone through vertical plane

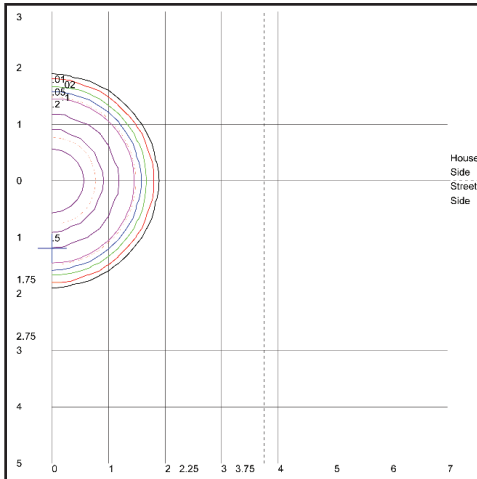


EcoSpot Backlight, Uplight and Glare: BUG
No Glare, Full Cut-Off light
IDA Dark Sky Friendly Device

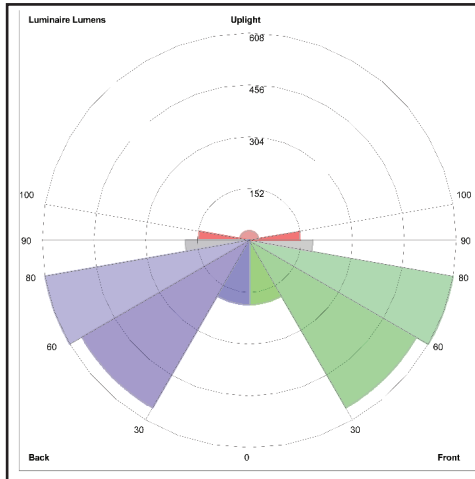
Beacon 50W LED Clearlight



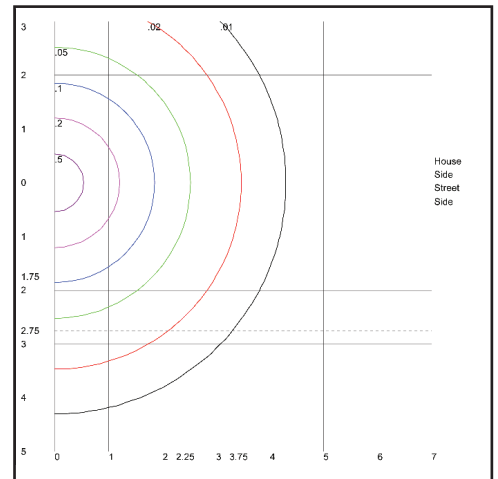
Beacon Polar Candela Distribution:
Plot 1: Vertical plane through horizontal angles
Plot 2: Horizontal cone through vertical plane



EcoSpot IsofootCandle Plot:
Values Based on 25.25 ft. Mounting Height
Peak Vertical Angle: 50°



Beacon Backlight, Uplight and Glare: BUG



Beacon IsofootCandle Plot:
Values Based on 25.25 ft. Mounting Height
Peak Vertical Angle: 67.5°

| Name | PN | Watts | Adapter | Input Voltage | Efficacy (lpw) | CRI | Target CCT | IES Type | BUG | LM 79 | LM 80 | Driver | Pf | IP Rating |
|---------|----------|-------|-------------|---------------|----------------|-----|-------------|----------|----------|-------|-------|--------|------|-----------|
| Beacon | 91635049 | 50W | Mogul | 120-277 AC | >63 | >68 | 3800-4800K* | V | B2-U3-G1 | Y | Y | 940ma | >0.9 | 65 |
| Beacon | 66890324 | 50W | Mogul Short | 120-277 AC | >63 | >68 | 3800-4800K* | V | B2-U3-G2 | Y | Y | 940ma | >0.9 | 65 |
| Beacon | 90853348 | 50W | Med Short | 120-277 AC | >58 | 83 | 3800-4800K* | V | B2-U3-G1 | Y | Y | 940ma | >0.9 | 65 |
| Beacon | 99253446 | 40W | GU-24 Short | 120-277 AC | >63 | 66 | 3800-4800K* | V | B2-U3-G1 | Y | Y | 940ma | >0.9 | 65 |
| EcoSpot | 46505625 | 40W | Mogul | 120-277 AC | >54 | 74 | 6000K + 500 | V | B1-U1-G0 | Y | Y | 650ma | >0.9 | 65 |

5 Year Warranty. Lumen Maintenance (L70) at 70,000 hours.

Watts given at typical operating temperature.

*CCT determined by manufacturer bins available.

LM-79 Photometric & Electrical Performance verified by ITL Boulder.

LM-80 data available. In-Situ testing performed by CLTC.

Evluma is a member of Quality Advocates. All data subject to change without notice. Made in the U.S.A. of U.S. and imported parts.



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