



Smart LED Lighting

Metal Halide & High Pressure Sodium 450W LED Replacement Lamp

External LED Driver

ETL Certified for Compliance

to UL1598C and UL1993

• UL Listed LED Driver •

• High Power Factor • Low THD •

• 5-Years / 50,000 Hours Warranty (*) •

• Suitable for Open & Enclosed Fixtures •

• Bright • High CRI • High Lumen Output •

• Built-in Surge Suppressors & Protection •



Available in:

CCT 5,500K $\pm 10\%$ (CW) for MH Replacement

CCT 3,000K $\pm 10\%$ (WW) for HPS Replacement

U.S. Pat. D819,839

• Simple Installation • High Lumen per Watt • Rugged Design •

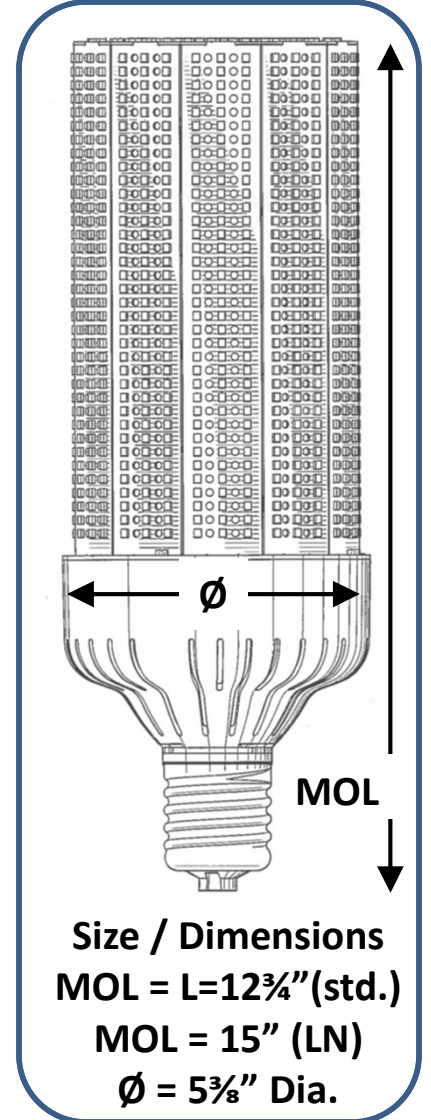
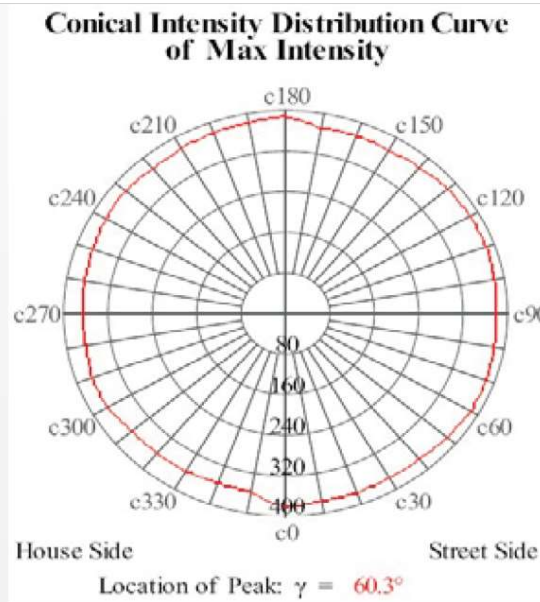
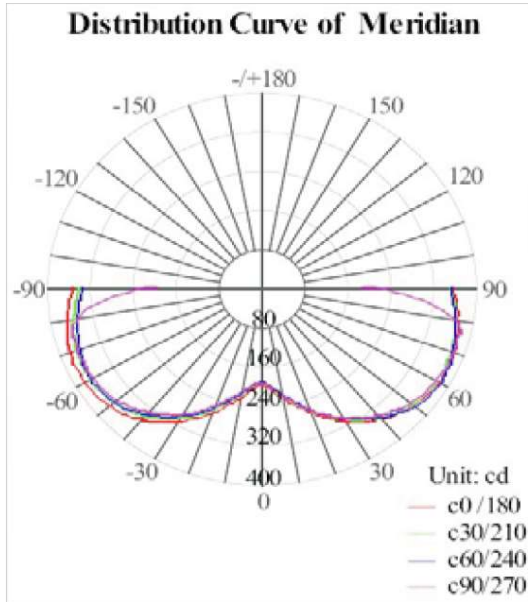
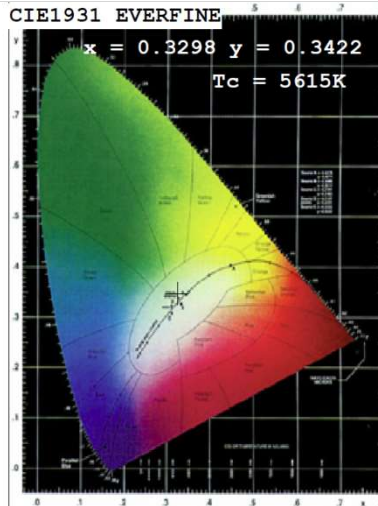
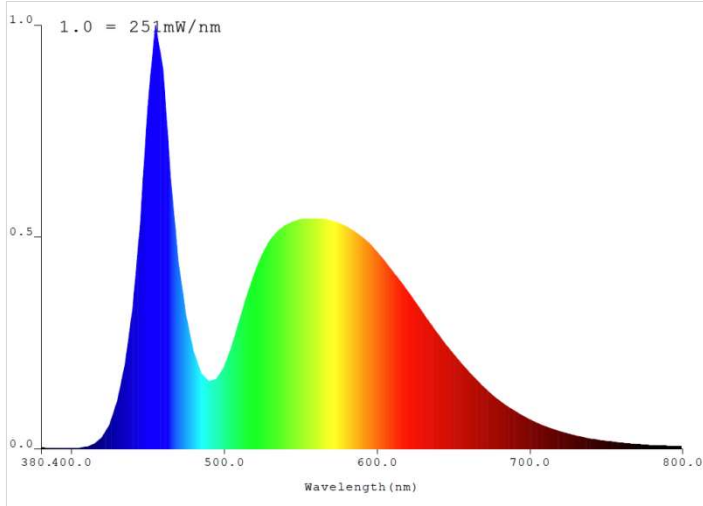
Model	Product	Size	Power	Flux	Equivalent
CL-450W12X-55K-E39	LED Lamp 450W 360° 55K MH Replacement	$\varnothing 5\frac{3}{8}$ x L=12 $\frac{3}{4}$ "	475W Max.	81,000 Lumen	1,500W MH Lamps
CL-450W12X-55K-E39LN (Long Neck)	LED Lamp 450W 360° 55K MH Replacement	$\varnothing 5\frac{3}{8}$ x L=15"	475W Max.	81,000 Lumen	1,500W MH Lamps
CL-450W12XH-30K-E39 (480Vac)	LED Lamp 450W 360° 30K HPS Replacement	$\varnothing 5\frac{3}{8}$ x L=12 $\frac{3}{4}$ "	475W Max.	81,000 Lumen	1,500W HPS Lamps
CL-450W12XH-30K-E39LN (480Vac Long Neck)	LED Lamp 450W 360° 30K MH Replacement	$\varnothing 5\frac{3}{8}$ x L=15"	475W Max.	81,000 Lumen	1,500W HPS Lamps

- 120-277Vac | "H": 208-480Vac ~50/60Hz • PF > 0.9 • THD < 20% • Mogul (E39) Lamp Base •
- "X" External Driver • ~180 lm/W • CRI ~85 • (*) Rated Life 50,000 Hrs. (L₇₀ B₅₀) at T_A 25°C Max. •
- CCT 5500K (55K) or 3000K (30K) $\pm 10\%$ •



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450W Cluster LED Lamp



Item	Model	Power	Equivalent
CL-450W12X-ccK-E39nn	Cluster LED Bulb	475W	1,500W MH/HPS
Input Voltage	Power/Power Factor	Efficacy	Flux
120-277Vac H:208-480Vac ~50/60Hz	475W Max. P.F. ≈ 0.98	~180 lm/W	81,000 Lumen
Color Rendering	Color Temperature	Beam Angle	Life
CRI ÷ 85	30K ÷ CCT 3,000 ±10% 55K ÷ CCT 5,500K ±10%	360°	5-Years / 50,000 Hours (L ₇₀ B ₅₀) T _[A] 25°C Max.