



# LED High-Power Bulbs for Decorative Acorn-Style Post-Top Street & Walkway Lamps / Base Down

LED30MH-600-TPW-00x



Only 27 Watts — 100-277VAC Range — 5000K True White — E39 Mogul or E26 Edison Screw-In Base

Plug-in Replacement for MH Lamps up to 150 Watts — Typical Mounting Height: 10-16 ft.

## FEATURES

- **Warranty:** 5 Years
- **Low Power Consumed:** Only 27 Watts
- **Wide Voltage Range:** 100-277VAC
- **Ventilated:** Lamp Assembly Feature Aids in Maintaining Cool-Running Lamp
- **Optimized Design:** LEDs Are Mounted to Provide Maximum Luminance at Desired Angles
- **Optimized Circuitry:** Power Factor Corrected for Maximum Efficiency
- **Longer Life:** White LEDs Last for up to 50,000+ Hours
- **Instant-On:** No Delay in Re-Strike
- **Lab Tested** in Accordance with IES Standards
- **Solid-State:** High-Shock & High-Vibration Resistant
- **Reduces Light Pollution:** "Dark Skies" Initiative-Compatible
- **Wide Ambient Oper. Temp. Range:** ~-22°F to ~+122°F [~-30°C to ~+50°C]
- **Safety Assurance:** ETL Listed Intertek



LED30MH-600-TPW-001  
E39 Base

Utility Patents  
US 8,128,258 B2  
US 8,157,416 B2  
US 7,862,204 B  
Design Patent  
US D631,567 S



LED30MH-600-TPW-002  
E26 Base

White LED technology is patent protected in the United States. LEDtronics white LED products are covered under these patents.

## APPLICATIONS

- Washington Globe Street & Walkway Lamps
- Enclosures

Ideal for Use with Alternate or Renewable Energy Resources – Solar & Wind Power



Above, LED30MH-600 bulbs replace 100W HPS lamps at Bolling Air Force Base in Washington, D.C.

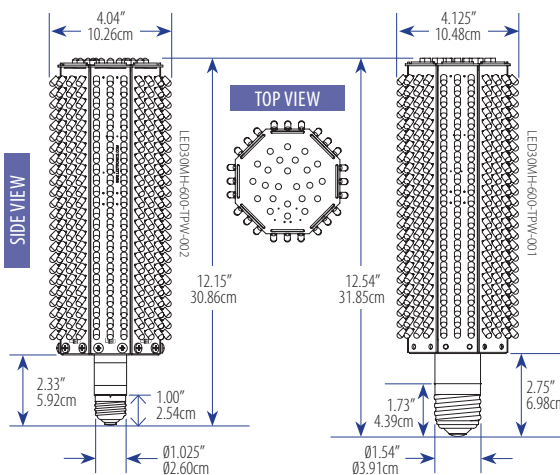


Above and at right, LED30MH-600 bulbs replace 150W globe bulbs in Library Park in Monrovia, California.

## SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NO.	LED30MH-600-TPW-00x
Emitted Color	True White
Color Temperature	4800K~5200K
Color Rendering Index	75
Beam Pattern	Type V – Cylindrical
Viewing Angle (Full Beam Width @ 50% Intensity)	Vert: 53°/ Horiz: 136°
Input Voltage	100-277 VAC [Tested @ 120VAC]
Energy Used	27 Watts
Input Current	0.227A
Power Factor	0.97
Total Lumens	2,542 lm
Maximum Candela	514 cd
Efficacy	96 lm/W
Base Configuration	Vertically Down
LEDs	Facing Down
Weight	2.06 lbs / 0.9kg



PART NUMBER	BASE TYPE	DIMENSIONS (LxW)
LED30MH-600-TPW-001	E39 Mogul Screw	12.54" x 4.12" (318.5 x 104.8mm)
LED30MH-600-TPW-002	E26 Edison Screw	12.15" x 4.04" (308.6 x 102.6mm)

## BENEFITS

- **Major Energy Savings:** Up to 85% – Consumes Only 27 Watts vs 175 Watts by MH (150W Lamp & 16-25W Transformer) – Up to 125W Reduction
- **Longer Lifespan** than MH or Other HID Lamps
- **Maintenance-Free** for over 5 Years of Operation – Lowers Costs by Reducing Re-lamp Frequency
- **No Wasted Light:** Eliminates Light Intrusion into Residences, Offices, Stores
- **Enhances Vision:** Better Optical Acuity – Little or No Glare as Compared with High Glare from HID Lamps
- **No Ultraviolet Emission:** Does Not Attract Insects

## CUSTOM OPTIONS

[For qualified applications & large-quantity OEM orders]

- Base Up Available, with LEDs Below Base

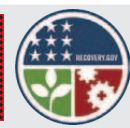
www.LEDtronics.com

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Check LEDTRONICS.COM for latest data. Printed material may be outdated.



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# High-Power LED Bulbs for Acorn-Style Street/Walkway Lamps

LED30MH-600-TPW-001 & LED30MH-600-TPW-002 Photometric Reports Are Identical

## Luminaire Photometric Report

Filename: LED30MH-600-TPW-001  
 Manufacturer: LEDTRONICS -  
 Luminaire: WITH NO GLOBE, 120VAC, 26.4W  
 Luminaire Cat: LED30MH-600-TPW-001  
 Lamp: LUMEN RATING: 2541.5Lms.  
 Lamp Output: 1 lamp(s), rated lamp lumens: 2541.5  
 Max Candela: 514.0 at Horizontal: 0, Vertical: 45  
 Luminous Opening: Point  
 Test: 7-14-09

### Zonal Lumen Summary

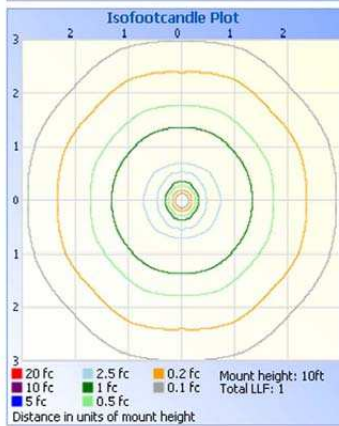
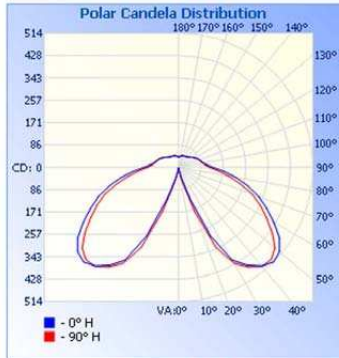
Zone	Lumens	% Lamp	% Luminaire
0-30	165.6	6.5%	6.5%
0-40	454.6	17.9%	17.9%
0-60	1,250.9	49.2%	49.2%
60-90	831.8	32.7%	32.7%
0-90	2,082.6	81.9%	81.9%
90-180	458.9	18.1%	18.1%
0-180	2,541.5	100%	100%

Total Efficiency: 100%

### Illuminance at a Distance

Center Beam FC	Beam Width
1.7ft	1.08 fc 1.7ft 8.2ft
3.3ft	0.27 fc 3.3ft 16.4ft
5.0ft	0.12 fc 5.0ft 24.6ft
6.7ft	0.07 fc 6.6ft 32.0ft
8.3ft	0.04 fc 8.3ft 41.0ft
10.0ft	0.03 fc 10.0ft 49.3ft

Vert. Spread: 53.0° Horiz. Spread: 135.8°



**10 FEET**

## Luminaire Photometric Report

Filename: LED30MH-600-TPW-001  
 Manufacturer: LEDTRONICS -  
 Luminaire: WITH NO GLOBE, 120VAC, 26.4W  
 Luminaire Cat: LED30MH-600-TPW-001  
 Lamp: LUMEN RATING: 2541.5Lms.  
 Lamp Output: 1 lamp(s), rated lamp lumens: 2541.5  
 Max Candela: 514.0 at Horizontal: 0, Vertical: 45  
 Luminous Opening: Point  
 Test: 7-14-09

### Zonal Lumen Summary

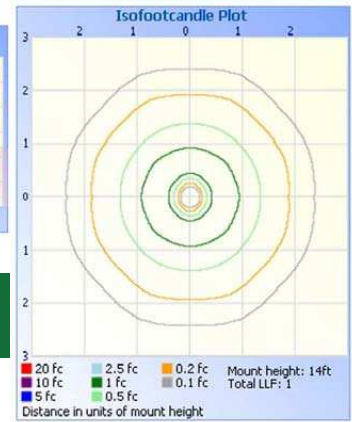
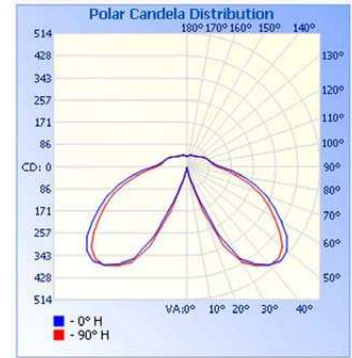
Zone	Lumens	% Lamp	% Luminaire
0-30	165.6	6.5%	6.5%
0-40	454.6	17.9%	17.9%
0-60	1,250.9	49.2%	49.2%
60-90	831.8	32.7%	32.7%
0-90	2,082.6	81.9%	81.9%
90-180	458.9	18.1%	18.1%
0-180	2,541.5	100%	100%

Total Efficiency: 100%

### Illuminance at a Distance

Center Beam FC	Beam Width
2.3ft	0.55 fc 2.3ft 11.5ft
4.7ft	0.14 fc 4.7ft 23.0ft
7.0ft	0.06 fc 7.0ft 34.5ft
9.3ft	0.03 fc 9.3ft 46.0ft
11.7ft	0.02 fc 11.6ft 57.5ft
14.0ft	0.02 fc 14.0ft 69.0ft

Vert. Spread: 53.0° Horiz. Spread: 135.8°



**14 FEET**

## Luminaire Photometric Report

Filename: LED30MH-600-TPW-001  
 Manufacturer: LEDTRONICS -  
 Luminaire: WITH NO GLOBE, 120VAC, 26.4W  
 Luminaire Cat: LED30MH-600-TPW-001  
 Lamp: LUMEN RATING: 2541.5Lms.  
 Lamp Output: 1 lamp(s), rated lamp lumens: 2541.5  
 Max Candela: 514.0 at Horizontal: 0, Vertical: 45  
 Luminous Opening: Point  
 Test: 7-14-09

### Zonal Lumen Summary

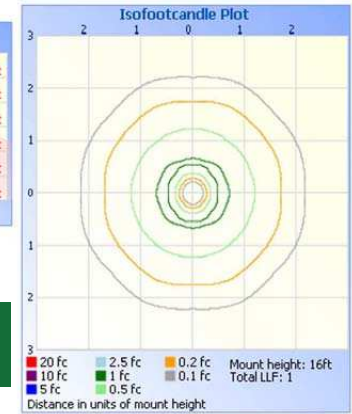
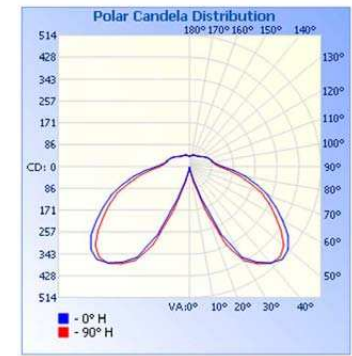
Zone	Lumens	% Lamp	% Luminaire
0-30	165.6	6.5%	6.5%
0-40	454.6	17.9%	17.9%
0-60	1,250.9	49.2%	49.2%
60-90	831.8	32.7%	32.7%
0-90	2,082.6	81.9%	81.9%
90-180	458.9	18.1%	18.1%
0-180	2,541.5	100%	100%

Total Efficiency: 100%

### Illuminance at a Distance

Center Beam FC	Beam Width
2.7ft	0.42 fc 2.7ft 13.1ft
5.3ft	0.11 fc 5.3ft 26.3ft
8.0ft	0.05 fc 8.0ft 39.4ft
10.7ft	0.03 fc 10.6ft 52.5ft
13.3ft	0.02 fc 13.3ft 65.7ft
16.0ft	0.01 fc 16.0ft 78.8ft

Vert. Spread: 53.0° Horiz. Spread: 135.8°



**16 FEET**

## NOTE

*If a ballast is present and used by an old preexisting lamp, the ballast needs to be bypassed for the LED lamp (Operating Voltage 100-277 VAC).*