



# LED High-Power Acorn Bulbs for Globe/Pendant-Style Street & Walkway Lamps / Base Up

LED30MH-600-TPW-00x-BU



Only 27 Watts – 100-to-277VAC Range – Warm White – E39 Mogul Base or E26 Edison Screw-in Base

Plug-in Replacement for MH Lamps Up to 150 Watts — Typical Mounting Height: 14-16 ft.

## FEATURES

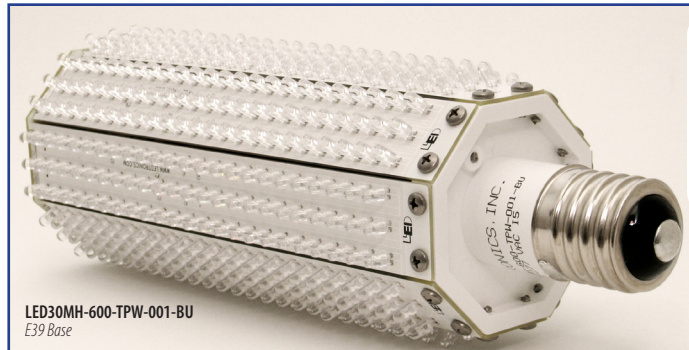
- Warranty:** 5 Years
- Low Power Consumed:** Only 27 Watts
- Wide Voltage Range:** 100-277VAC
- Choice of Base:** E39 Mogul or E26 Screw-in
- Ventilated:** Lamp Assembly Feature Aids in Maintaining Cool-Running Lamp
- Optimized Design:** LEDs Mounted to Provide Maximum Luminance at Desired Angles to Targeted Area
- Instant-On:** No Delay in Re-Strike
- Optimized Circuitry:** Power Factor Corrected for Maximum Efficiency
- Longer Life:** White LEDs Last up to 50,000+ Hours
- Life Expectancy:** 11.4 Years (12 Hrs/Day Basis)
- Solid-State:** High-Shock & High-Vibration Resistant
- Wide Ambient Oper. Temp. Range:** ~-22°F to ~+122°F ~-30°C to ~+50°C
- ETL Listed, RoHS Compliant**



## SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NO.	LED30MH-600-TPW-00x-BU
Emitted Color	True White
Color Temperature	4800K~5200K
Color Rendering Index	70~73
Beam Pattern	Type V – Cylindrical
Viewing Angle <small>(Full Beam Width @ 50% Intensity)</small>	50° beam @ 45° to vertical
Input Voltage	100-277 VAC [Tested @ 120VAC]
Energy Used	27 Watts
Input Current	0.230A
Power Factor	0.95
Total Lumens	2540 lm
Maximum Candela	515 cd
Efficacy	95 lm/W
Base Configuration	Vertically Up
LEDs	Facing Down
Weight	2.06 lbs / 0.9kg

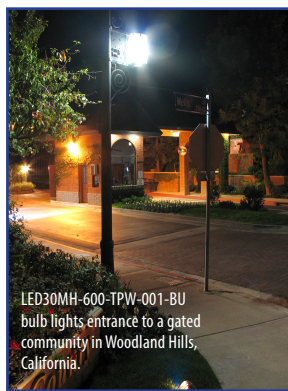


LED30MH-600-TPW-001-BU  
E39 Base

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

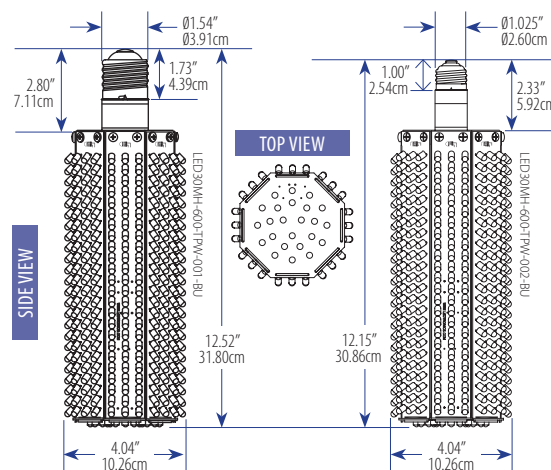
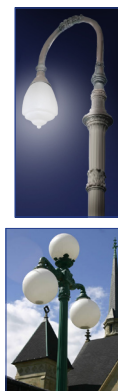
Utility Patents  
US 8,128,258 B2  
US 8,157,416 B2  
US 7,862,204 B  
Design Patent  
US D631,567 S

## APPLICATIONS



LED30MH-600-TPW-001-BU bulb lights entrance to a gated community in Woodland Hills, California.

- Washington Globe Street & Walkway Lamps
- Enclosures



PART NUMBER	BASE TYPE	DIMENSIONS (LxW)
LED30MH-600-TPW-001-BU	E39 Mogul Screw	12.62" x 4.04" (320.5 x 102.6mm)
LED30MH-600-TPW-002-BU	E26 Edison Screw	12.15" x 4.04" (308.6 x 102.6mm)

## BENEFITS

- Major Energy Savings:** Up to 85% – Consumes Only 27 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:** Reduces Light Pollution; "Dark Skies" Initiative- Compatible – Eliminates Light Intrusion into Offices, Residences...
- 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 Down Available, with LEDs above Base

**LEDTRONICS**®  
Creating the Future of LED Light Since 1983™

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

### LED30MH-600-TPW-001-BU & LED30MH-600-TPW-002-BU 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

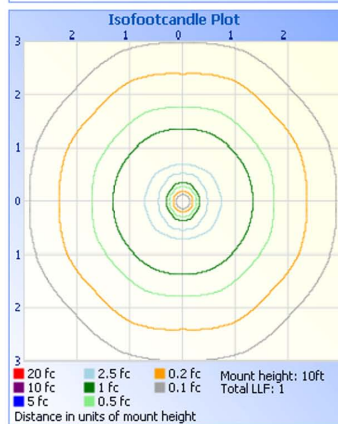
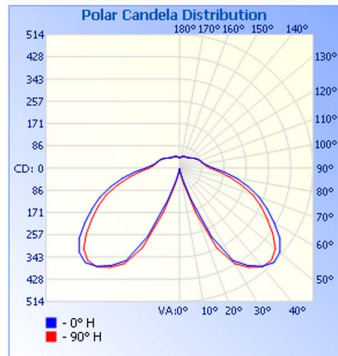
##### Zonal Lumen Summary

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	6.7ft 32.8ft
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-002-BU  
Manufacturer: LEDTRONICS -  
Luminaire: WITH NO GLOBE, 120VAC, 26.4W  
E26 base, Base above, LEDs directed down  
Luminaire Cat: LED30MH-600-TPW-002-BU  
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

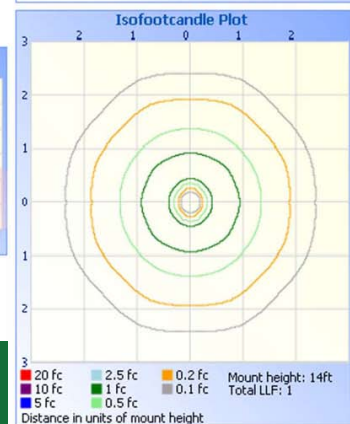
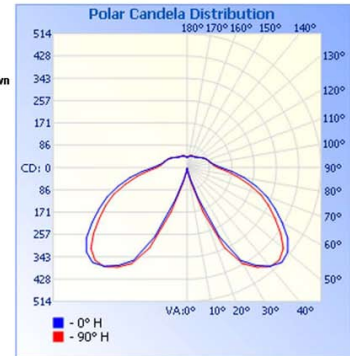
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60-90	831.8	32.7%	32.7%
0-90	2,082.6	81.9%	81.9%
90-180	458.9	18.1%	18.1%
0-180	2,541.5	100%	100%

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	11.7ft 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

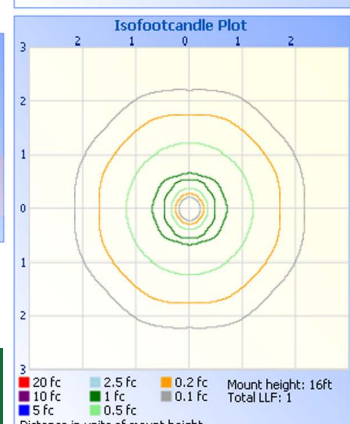
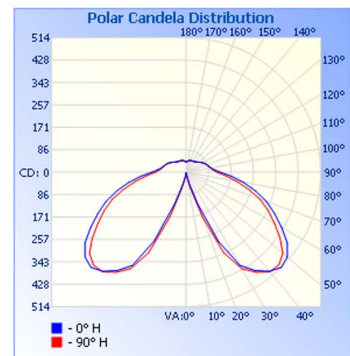
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0-90	2,082.6	81.9%	81.9%
90-180	458.9	18.1%	18.1%
0-180	2,541.5	100%	100%

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	10.7ft 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).

AVAILABLE  **ARRA Compliant**  
OPTION:  **USA Made Product**

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

#### CAUTION When Installing Lamps in Potentially Corrosive Outdoor Environments

LEDtronics suggests that a silicone moisture-barrier sealant be used to protect the metal-threaded base of the LED bulb.

Sealant is highly recommended for all outdoor-environment LED bulb installations to prevent water and/or moisture incursion that can lead to premature degradation of the bulb base and eventual bulb failure. **This is especially recommended for LED bulb installations near saltwater bodies.**

Dow Corning Molykote® 111 Valve Lubricant and Sealant is a high-temperature, moisture-resistant, silicone grease. If liberally applied to the clean surface of the lamp socket and the base of the lamp itself, it will provide moisture and corrosion resistance.