

# Post Top LED Retrofit Kit

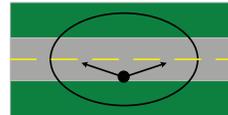


Post Top Area Light (D11 Area Light Retrofit Kit) from SYLVANIA is an alternative to high-intensity discharge (HID) lamps up to 175W at pole heights up to 20 feet. By taking advantage of the directional light distribution of high power white LEDs, this revolutionary system delivers light only where needed, minimizing light trespass. It is an ideal solution for communities that wish to convert their existing lighting systems to an environmentally friendly technology that offers substantial energy and maintenance cost savings as well as dramatic improvements in light quality. It is mercury-free, lead-free, and eliminates service calls for cycling HID lamps.

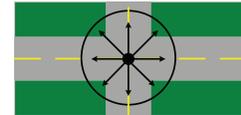
**For purposes of ARRA, this product is made in the US.**

## Key Features & Benefits

- Reduces street light energy consumption up to 77%
- Provides significant maintenance cost savings by lasting 2-6 times longer than HID lamps
- Reduces light pollution by eliminating upward light emission
- Enhances light quality with better uniformity and color performance
- 120 – 277V AC input voltage at 60Hz with surge protection
- Type-III Medium and Type-V Short light distribution
- 5200K CCT, CRI 67, 5700K CCT, CRI 65 and 4900K CCT, CRI 80
- Average rated life of 50,000 hours with 70% lumen maintenance
- Incorporates 60 Golden DRAGON Plus LEDs from OSRAM Opto Semiconductors
- UL1310 Recognized Class 2 OPTOTRONIC® power supply



Type-III



Type-V

## Product Offering

Item Number	Ordering Abbreviation	Wattage (W)	Voltage	Light Distribution
78532	LED40POST/652/T3M/D11/1G	40	120-277	Type-III Medium
78599	LED40POST/849/T3M/D11/1G	40	120-277	Type-III Medium
78606	LED40POST/657/T5S/D11/1G	40	120-277	Type-V Short
78607	LED40POST/849/T5S/D11/1G	40	120-277	Type-V Short

## Application Information

### Applications

- College and business park campuses
- Historic restorations and downtown business districts
- Parking lots and garages
- Public parks
- Residential roadways, walkways and bikeways
- Shopping centers, malls and plazas

### Application Notes

1. To prevent personal injury or product damage only licensed electricians should provide all installation services.
2. Please read installation manual before attempting installation.
3. To avoid electric shock or component damage disconnect power before attempting installation or servicing.
4. Installation must be structurally sound as to prevent damage or personal injury due to fixture collapse.
5. Any alteration or modification of this product is expressly forbidden as it may cause serious personal injury, death, property damage and/or product malfunction.



## Ordering Information

Item Number	Ordering Abbreviation	Wattage (W)	Input Voltage (VAC)	Power Factor <sup>1</sup>	Efficacy (lm/W) <sup>2</sup>	Average Rated Life (hrs.) <sup>3</sup>	Typical Lumens (lm) <sup>4</sup>	CCT <sup>5</sup>	CRI	Temperature <sup>6</sup>	BUG Rating <sup>7</sup>
78532	LED40POST/652/T3M/D11/1G	40	120-277	0.9	70	50,000	2800	5200K	67	-30°C to 40°C	B1 U2 G1
78599	LED40POST/849/T3M/D11/1G	40	120-277	0.9	67	50,000	2685	4900K	80	-30°C to 40°C	B1 U2 G1
78606	LED40POST/657/T5S/D11/1G	40	120-277	0.9	92	50,000	3661	5700K	65	-30°C to 40°C	B2 U2 G1
78607	LED40POST/849/T5S/D11/1G	40	120-277	0.9	80	50,000	3200	4900K	80	-30°C to 40°C	B2 U2 G1

1. Power factor at nominal AC supply voltage.
2. Thermally stable typical initial efficacy ( $\pm 10\%$ ).
3. Hours lifetime with 70% lumen maintenance. Based on operation temperature at 40°C.
4. Thermally stable typical lumens ( $\pm 10\%$ ).
5. Thermally stable typical CCT ( $\pm 10\%$ ).
6. Operating temperature refers to temperature of ambient air outside fixture.
7. BUG rating characteristics measured on retrofit module; final rating performance dependent upon fixture.

## Ordering Guide

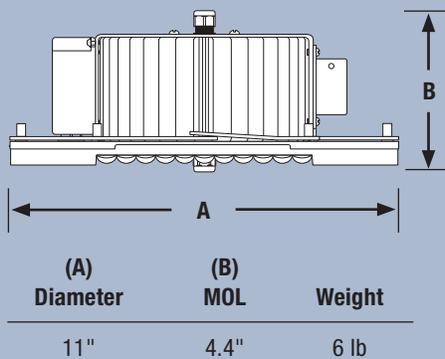
LED	40	POST	/	652	/	T3M	/	D11	/	1G
LED Lamps and Retrofits	Wattage: 40W	Fixture Type: Post Top		CRI, CCT: 652: 67 CRI, 5200K CCT		Light Distribution: T3M: Type-III medium		Diameter: 11 inches		Generation: 1G: First

## Power Supply Ordering Information

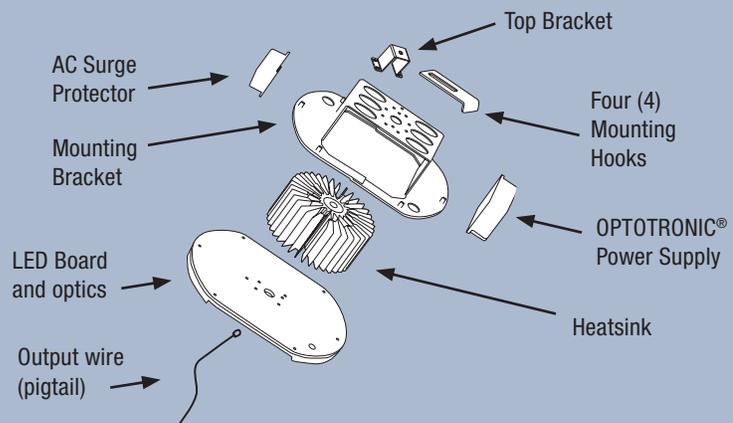
Item Number	Ordering Abbreviation	Power Supply IP Rating
51530-2	OT40/UNV/1110E*	IP66

\* Constant current power supply (1.11A). UL1310 and UL48 recognized for US & Canada. Class 2 unit

## Technical Information



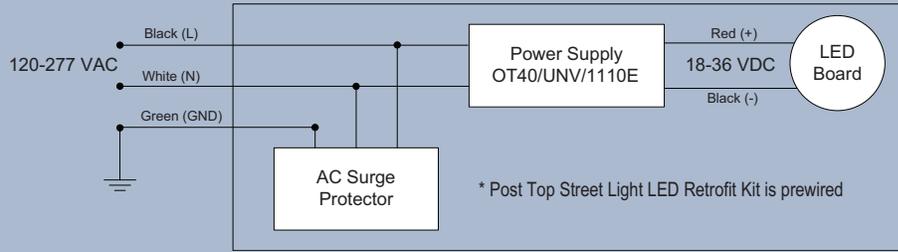
Post Top Street Light LED is pre-assembled



## Wiring Diagram

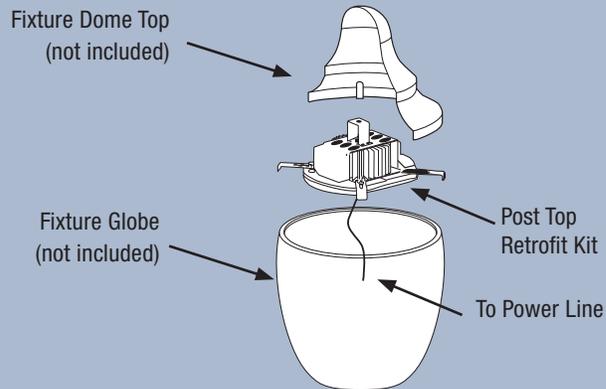
### Notes:

1. AC surge protector, OPTOTRONIC® power supply and LED Module are prewired in Post Top Street Light LED Retrofit Kit
2. Post Top Street Light LED Retrofit Kit output wire: 18 AWG in pigtail (4 feet)



## Assembly Diagram

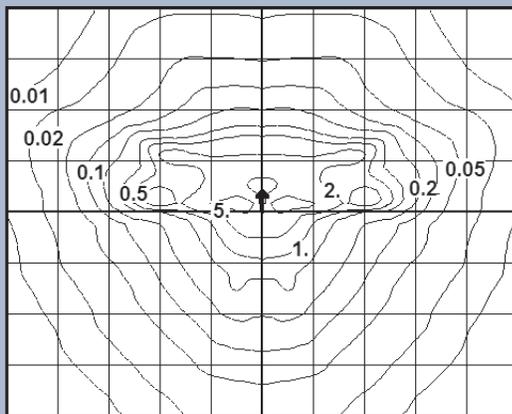
Refer to Installation Manual  
for mounting instructions



## Photometric Distribution

### Illuminance Diagram

(Without fixture globe)

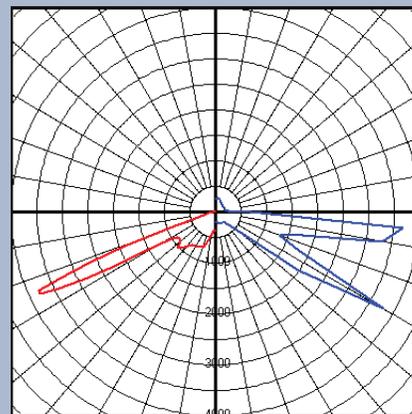


Illuminance in footcandles

Mounting Height = 10'. Each box is one mounting height.  
Type III, Medium, 5700K CCT  
(Distribution might change when fixture globe is present)

### Luminous Intensity Distribution

(Without fixture globe)



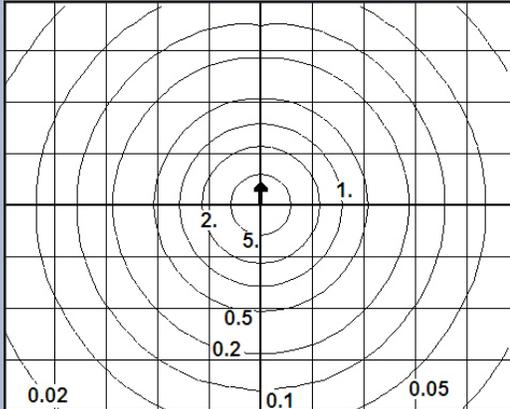
Intensity in candelas

Max. plane at H = 60      Max cone at V = 66  
Max. candlepower = 3700  
(Distribution might change when fixture globe is present)

## Photometric Distribution

### Illuminance Diagram

(Without fixture globe)

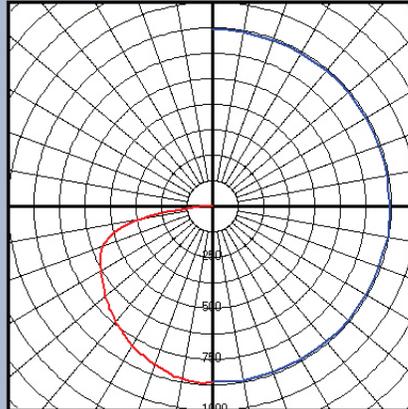


Illuminance in footcandles

Mounting Height = 10'. Each box is one mounting height.  
Type-V Short, 5700K CCT  
(Distribution might change when fixture globe is present)

### Luminous Intensity Distribution

(Without fixture globe)



Intensity in candelas

Max. plane at H = 80 Max cone at V = 3  
Max. candlepower = 870  
(Distribution might change when fixture globe is present)

## Specification Data

Fixture  
Description

Type

Project/Job

SYLVANIA lamp

SYLVANIA ballast

Notes

## Warranty

Refer to OSI Post Top LED Retrofit Kit  
Statement of Limited Warranty.



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