

# USAT-90001

## Santander Post Top



126w LED  
13486 Lumens

IP66  
Suitable for wet locations

IK08  
Impact Resistant [Vandal Resistant]

EPA - Contact Factory

Weight - 28.6 lbs

**POLE NOT INCLUDED**



### Construction

#### Aluminum

Less than 0.1% copper content – Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength, clean detailed product lines and excellent heat dissipation.

#### Pre paint

8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

#### Memory Retentive -Silicon Gasket

Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

#### Thermal management

LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

#### Surge Suppression

Standard 10kv surge suppressor provided with all fixtures.

#### BUG Rating

Refer to IES files or contact factory

#### Finishing

All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

#### Paint

UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C. This process ensures that Ligman products can withstand harsh environments. Rated for use in natatoriums.

#### Hardware

Provided Hardware is Marine grade 316 Stainless steel.

#### Anti Seize Screw Holes

Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

#### Crystal Clear Low Iron Glass Lens

Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

#### Optics & LED

Precise optic design provides exceptional light control and precise distribution of light. LED CRI > 80

#### Lumen - Maintenance Life

L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

### Modern, urban post top with open-head design hiding technically precise asymmetric and symmetric streetlight optics.

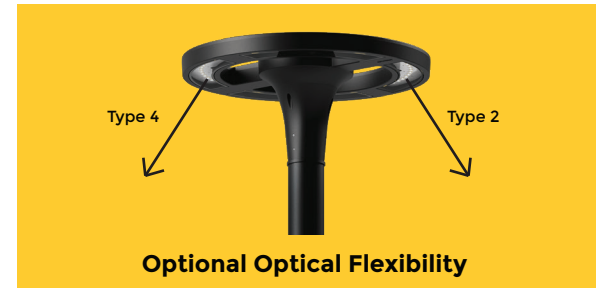
The Santander Pole Top luminaire combines aesthetics and focused, precision lighting with microVOS™ optics to provide a large range of light distributions and beam patterns.

This product is available with field interchangeable standard Type I, II, III, IV & V (Medium & Wide) distributions, as well as the ability to select specific quadrants within the luminaire and specify different distributions per quadrant.

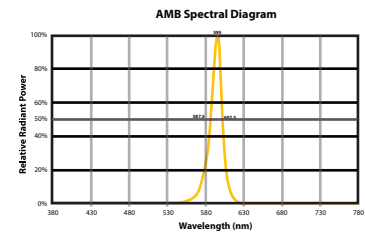
An example of this could be Type II distributions in 2 quadrants left and Type IV distribution in the remaining quadrants right. This flexibility allows the lighting designer to utilize these optics and specifically place light where needed.

Utilizing this optical flexibility, a single luminaire could produce the same lighting solution and distributions as two separate luminaires on a single pole.

This product range is available in a 126w option, and can be configured for lower customer specific wattages. Contact the factory for more information.

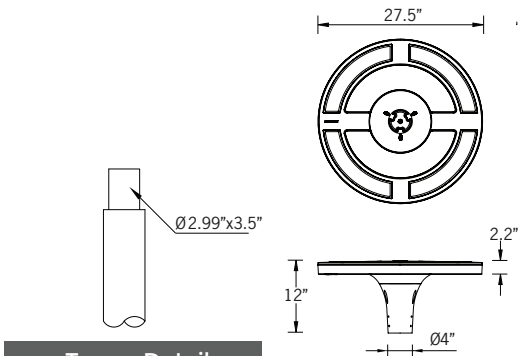


### CITY OF FLAGSTAFF & TURTLE FRIENDLY COMPLIANT



#### Narrow-Spectrum Amber LEDs

Peak wavelength between 585 & 595 nanometers and a full width of 50% power no greater than 15 nanometers.

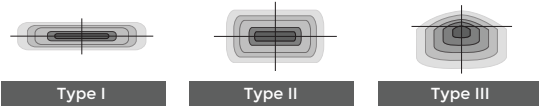


#### Tenon Detail

Use 4" or 4.5" diameter pole for smooth visual transition with pole top fixture.



Ligman's micro Variable Optical System provides the ability to interchange, mix & rotate optics to provide specific light distributions for optimized spacing and uniformity.



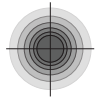
Type I

Type II

Type III

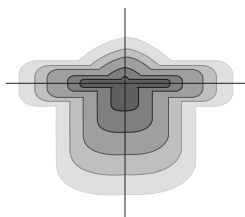


Type IV



Type V

The variable optic system allows for the designer to create hybrid distributions for precise lighting requirements.



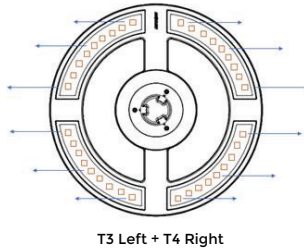
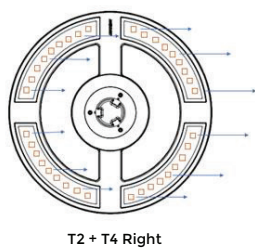
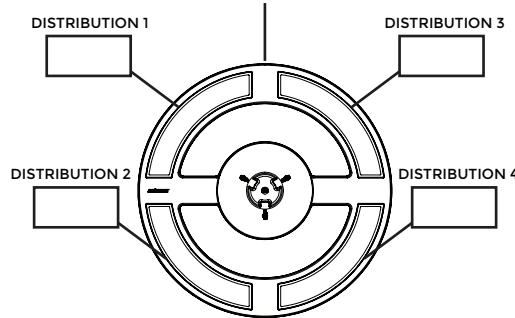
HYBRID  
TYPE I & TYPE V

<b>PROJECT</b>		<b>DATE</b>	
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<b>QUANTITY</b>		<b>TYPE</b>		<b>NOTE</b>	
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ORDERING EXAMPLE || USAT - 90001 - 126w - T2 - W30 - 02 - 120/277v - Options

<b>USAT-90001</b>					
<b>LAMP</b>	<b>BEAM</b>	<b>LED COLOR</b>	<b>FINISH COLOR</b>	<b>VOLTAGE</b>	
126w LED 13486 Lumens	T2 - Type II Distribution T3 - Type III Distribution T4 - Type IV Distribution M - Medium Beam 64° W - Wide Beam 86° C - Custom Distribution SELECT USING DRAWING BELOW	W27 - 2700K W30 - 3000K W35 - 3500K W40 - 4000K	01 - BLACK RAL 9011 02 - DARK GREY RAL 7043 03 - WHITE RAL 9003 04 - METALLIC SILVER RAL 9006 05 - MATTE SILVER RAL 9006 06 - LIGMAN BRONZE 07 - CUSTOM RAL	120/277v Other - Specify	

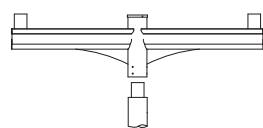
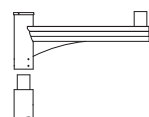
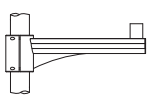


**DISTRIBUTION EXAMPLES**

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**ADDITIONAL OPTIONS**

NAT - Natatorium Rated  
DIM - 0-10v Dimming  
AMB - Turtle Friendly Amber LED



A20176  
Aluminum Arm Pole Clamp

A20276  
Aluminum Single Arm

A20376  
Aluminum Double Arm