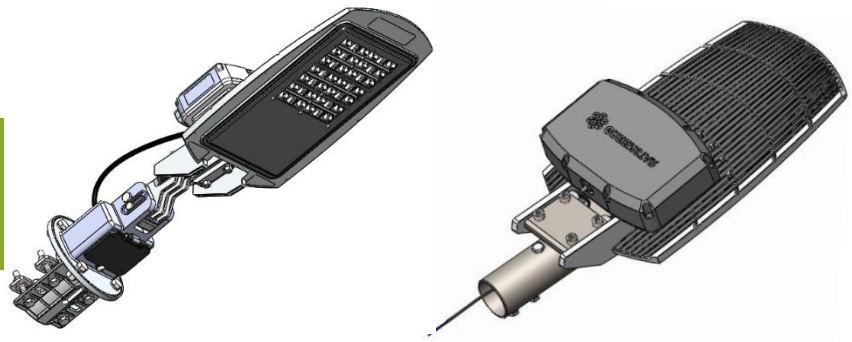


AST Series of Roadway Luminaire



Applications:

The AS LED Luminaire is GreenStar's second generation utility grade Luminaire. Designed to perform in both demanding Roadway and Area Lighting projects. It is ideal for both retrofit and new construction and has a sleek, modern, architecturally pleasing design. An area arm is available for parking lots, auto dealerships, and other area lighting designs where aesthetics are important. This innovative design produces light output equivalent to a 200W—500W HID and provides energy savings of 65% or greater.

Features:

Construction—Heavy-duty cast aluminum housing and corrosion resistant hardware provides strength of construction and longevity in application. Powder-coated finish and IP65 construction provides durable resistance to the outdoor environment.

LED's—The AST incorporates advanced high-efficiency 3030 and 5050 Package - 4100K-5700K (>70 CRI) LED components providing optimized combinations of light delivery to uniformly illuminate target areas.

Electrical—Variable voltage input drivers (90-277V; 50/60 Hz) have a high power factor >95% and low THD <10%. Built-in surge protection ensures reliable operation. Separated LED driver design provides long life of electrical components by providing thermal separation of electrical components from LED heat sink.

Optics— Precision-molded, high-impact, optical-grade lens providing uniform Type II standard and Type III wide distribution. Keyed lens assembly ensures consistent optical performance across a broad range of available outputs.

LED Rated Life (L70) - These high quality LED's are rated for approx. 100,000 hours @ 25°C (77°F) ambient environment per LM-80, TM21.

Protection/Ingress—LED and PSU compartments are IP66 rated.

Mounting – Suitable for 2.5" pole mounting. High End version suitable for wall mounting and various tilt option.

Photo control Options—Photocell is provided for ambient based on off and dimming.

Surge Protection—10kV/5kA (ANSI/IEEE C64.41.2) is standard and replaceable.

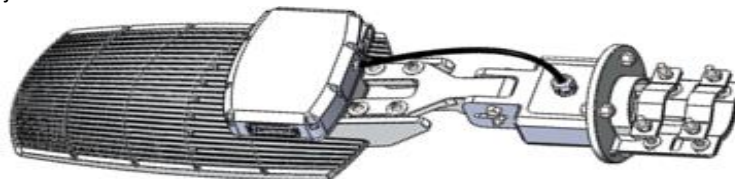
Listings—IP65 rated. Suitable for ambient temperatures from -30° to 50°C. RoHS compliant.

Ordering Table:

Example: AST100421SNX

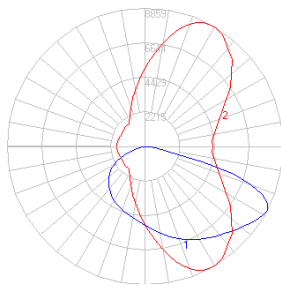
Model	Wattage	CCT	Distribution	Voltage	Color	Control Options	Dimming
AST = Basic Version ASTRO	85 W	4 = 4100K	2 = Type II	1 = 100-277V	S = Silver	C = With Photocell	X = None
AS THE=High end Version Astro	100W 120 W 150 W 200 W	6 = 5700K	3 = Type III	50-60Hz	R = Bronze	N = No Photocell	D = Dimming (0-10V)

Mounting:— The Green Star AS luminaire mounts to 1.25"-2.5" O.D. The round pole using the standard pole mounting kit. Pole mounting kit may be removed for optional wall mounting. The optical housing may be field adjusted from -10° to +50° tilt. The AS can also be ordered with an arm that adjusts from 90° to +90° providing the ability to mount to a pole or wall (patent pending) and meet photometric demand in many different applications and includes a junction box with a terminal block.

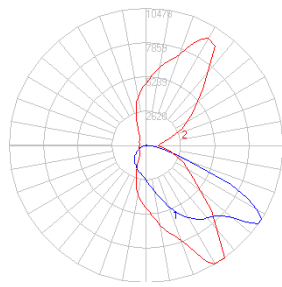


TOP Model with Tilt option and separate SA Box

Polar Diagram:



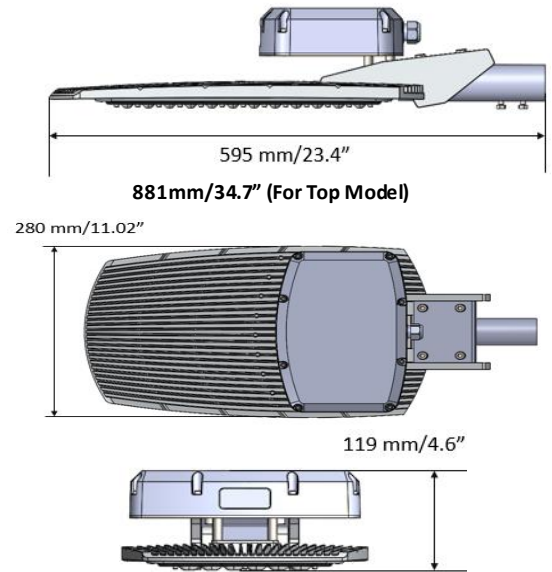
AST200631SNX



AST150621SNX

Weights/Dimensions:

Base Model: No Tilt, Common SA and PSU Box



Weight: 9Kg.

Performance Summary:

Model	Input Wattage	IESNA Distribution Type	4000K-5700K	
			Lumens	Efficacy (LPW)
AST/ASTHE*	100	III	11,150	≥110
	120	II	15,450	≥120
	150	III	16,850	≥110
	150	II	19,100	≥120
	190	III	21,700	≥110
	200	II	23,900	≥120

*** Specifications Are Subject To Change Without Notice ***

*For High End version, contact to Greenstar India Sales team

Warranty:

5 year standard warranty.

