



SUPREMO
Solar AIO Street Light

THE MOST EFFICIENT SOLAR STREETLIGHT EVER MADE IN INDIA.

Bajaj Illumination presents the first in the industry streetlight – Supreme Solar AIO streetlight with the highest ever recorded luminaire efficiency of 195lm/W.

Supreme Solar AIO streetlight is made from extruded aluminium that keeps it rust-free in any environment. The highly efficient streetlight works on intelligent AI technology and a sensor-based power management system, making it the most hi-tech product in its segment. Also, the streetlight comes with an adjustable tilting range of 0 to 15 degrees for better coverage and offers year-round lighting even in the most extreme conditions. It's suitable for all types of traffic roads and comes with a 5-year offsite warranty.

FEATURES



Highest Efficacy
195lm/W



365 Days Light, In
Extreme Conditions Too



Tiltable
Light Engine



Sensor Based
Power Management



Rust Free Extruded
Aluminium Housing



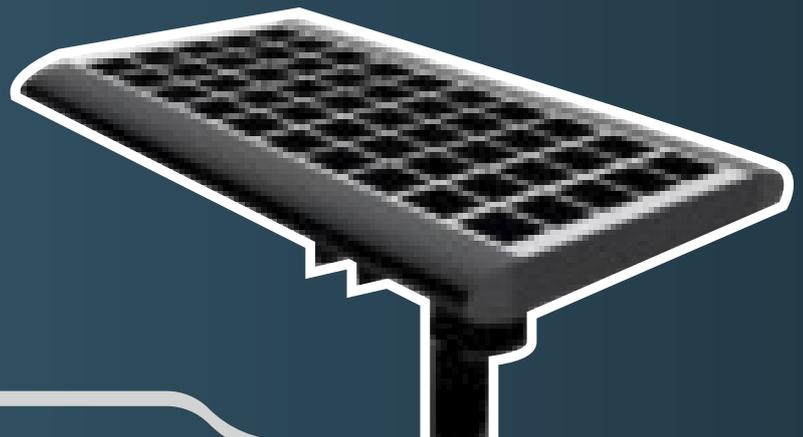
5 Years
Warranty



IP 65



AI Enabled



TECHNICAL DETAILS

PARAMETERS

INITIAL LUMINAIRE HEAD EFFICACY @ SUPER BRIGHT MODE	195 lumen				
INITIAL SUPER BRIGHT MODE LUMINOUS FLUX (SYSTEM)	2150 lumen	3300 lumen	4500 lumen	5300 lumen	7200 lumen
INITIAL SYSTEM WATTAGE @ SUPER BRIGHT MODE	12W	18W	25W	30W	40W
SUPER BRIGHT MODE TYPICAL DURATION AFTER DUSK SENSE	~2Min				
INITIAL NORMAL BRIGHT MODE SYSTEM POWER (40% To 50% POWER)	7W-8W	8W-9W	13W-14W	13W-14W	17W-18W
INITIAL NO MOTION SENSE DIM MODE SYSTEM POWER (~ 20% Power)	3W-4W	3W-4W	5W-6W	5W-6W	7W-8W
SOLAR MODULE (CRYSTALLINE CELL)	40Wp	40Wp	60Wp	60Wp	80Wp
BATTERY CAPACITY (LITHIUM IRON PHOSPHATE)	115W/hr	115W/hr	230W/hr	230W/hr	345W/hr

DIM MODE OPERATION TILL DAWN SENSE

Balance duration - No motion sensed.

NORMAL BRIGHT MODE OPERATION FROM DUSK SENSE:

Collective duration up to 05 to 06 hours on motion detection combined with artificial intelligence and powerful power management in normal sunny weather.

AUTONOMY IN BUILT IN SYSTEM

24 hours with automatic dimming profile and no motion sensed by system.

MOUNTING / RECOMMENDED HEIGHT / POLE TOP DIAMETER

Post Top type or Optional Lateral Boom Arm mounted at 04 meter to 06 meters from road level with 7mm OD at pole top.

'SYSTEM MOUNTING LOCATION

Shadow free location - vertical pole top mounted area (both direct shadow / indirect shadow free) and solar photo voltaic exposed area with no dust and bird droppings.

TYPICAL SYSTEM OPERATION

- The intelligent unit senses 'dusk and dawn' to automatically provide street lighting only at night.
- To save energy, the unit gracefully goes into low power lighting, whenever no motion is detected.
- As per its resources, when there is motion detected in its vicinity, through the night, the system automatically gives out bright lighting to illuminate the surrounding.