

AVENGER SERIES

Roadway & Area LED Luminaires

The AV 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 150W—400W HID and provides energy savings of 65% or greater.



- 150-250W Equivalent for roadway applications
- 400W Equivalent for parking lot applications
- Energy savings of 65% or greater
- DOT Approved
- LED Rated Life is greater than 100,000 hours @ 77°F ambient environment per LM-80, TM21
- LED and PSU compartments are IP66 rated, surge arrestor compartment is IP54 rated
- Available in 100-277V or 347-480V at 50/60Hz, Power Factor of >95%, Total Harmonic Distortion (THD) is <10%
- 20kV/10kA (ANSI/IEEE C64.41.2) surge protection is standard and replaceable
- Optics in Type II, III, IV, & V distribution patterns and achieve full cutoff with zero light above the horizontal axis
- ETL, CSA, DLC, IESNA, Dark Sky, ARRA, NAFTA, and NOM compliant
- Standard 10 year warranty

ORDERING TABLE

Ordering Example: **XAVX12431SNXXI**

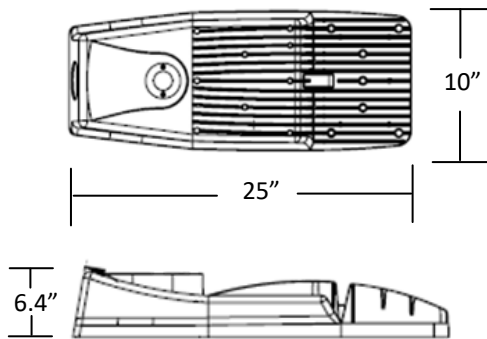
| X | AVX | 12 | 4 | 3 | 1 | S | N | X | X | I |
|-------------------------|--------------------------------|-----------------------------|--|--|------------------------------|---------------------------------------|---|-------------------------|---|--|
| Mounting | Model | LED Qty | CCT | Distribution | Voltage | Color | Photocontrol | Dimming | Option 1 | Option2 |
| X = Roadway A = Area | AVX = Avenger AVH = Avenger | 08 = 8 LEDs 12 = 12 LEDs | 3K = 3000K 4K = 4100K 6K = 5700K | 2 = Type II 3 = Type III 4 = Type IV 5 = Type V | 1 = 120-277V 4 = 347-480V | S = Silver R = Bronze B = Black | C = No Receptacle N = 3-pin NEMA 7 = 7-pin NEMA | X = None D = Dimming | X = None P = Photocell Z = Shorting Cap | X = None B = Bubble Level I = Inclinometer |

* Fixtures come in standard silver. Bronze and Black fixtures are subject to longer lead times based on demand.

WEIGHTS/DIMENSIONS

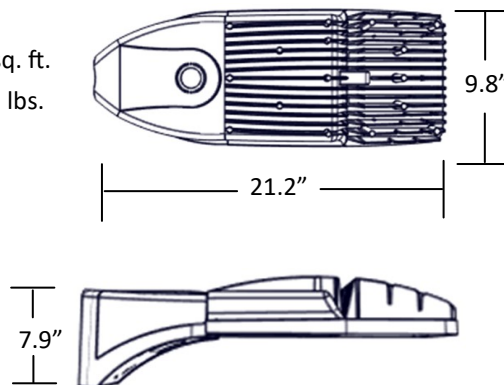
AV08, AV12—Roadway Arm

EPA: 1.1 sq. ft.
Weight: 20 lbs.



AV08, AV12—Area Arm

EPA: 1.05 sq. ft.
Weight: 22 lbs.



MOUNTING

- Mast Arm Mount for standard roadway pole arm mounting up to 2.5" OD
- Area arm with flush mount for mounting to square or round poles



Flush Mount:

See Avenger Area Arm Installation Instructions and Area Arm Mounting Pattern at :

www.greenstarled.com

PERFORMANCE SUMMARY

| Model | Input Watts | Input Current (A) | | | | Distribution Type | 4100K | | 5700K | |
|--------|-------------|-------------------|------|------|------|-------------------|--------|----------------|--------|----------------|
| | | 120V | 240V | 277V | 480V | | Lumens | Efficacy (LPW) | Lumens | Efficacy (LPW) |
| XAVX08 | 103 | 0.86 | 0.43 | 0.37 | 0.21 | II | 10,690 | 103 | 10,770 | 104 |
| | | | | | | III | | | | |
| | | | | | | IV | | | | |
| | | | | | | V | | | | |
| XAVX12 | 156 | 1.30 | 0.65 | 0.56 | 0.33 | II | 16,085 | 103 | 16,205 | 104 |
| | | | | | | III | | | | |
| | | | | | | IV | | | | |
| | | | | | | V | | | | |

ACCESSORIES

- House Side Shield & Connector— CAT # GSSM85M & GSSM86M
- Tenon Arm— CAT# GSSM126M
- Inclinometer—CAT# GSPL62M
- IP LITE Camera
 - AL02D2.8SWD-WHA
 - AL02D2.0SWD-WHA



Hotspot IP LITE Camera

TXDOT CERTIFIED MODEL NUMBERS

- XAVX08431SNXXI
- XAVX12431SNXXI
- XAVH08434SNXXI
- XAVH12434SNXXI



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

MAR2018