

Catalog #	
Project name	
Prepared by	

EOI LED Security Light Sentinel Series

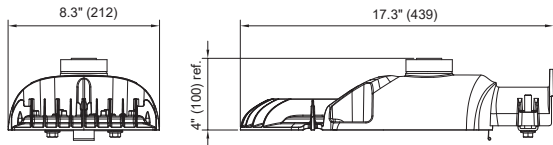
PRODUCT OVERVIEW



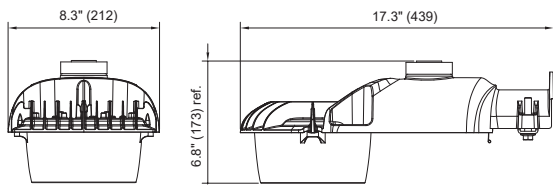
APPLICATIONS

- Area Lighting
- Security Lighting
- Roadway Lighting

DIMENSIONS



Unit: inch (mm)
Weight: 6.4 lbs (2.9 kg)
Effective Projected Area (EPA): 0.48 sq. ft. (0.045 sq. m.)



Unit: inch (mm)
Weight: 6.6 lbs (3 kg)
Effective Projected Area (EPA): 0.56 sq. ft. (0.052 sq. m.)

Polycarbonate Refractor

PRODUCT CERTIFICATIONS



PRODUCT SPECIFICATIONS

OPTICAL

- Ideal LED replacement up to 200W HPS
- Precision optical lens design
- Photometric distributions available in Type III and V
- Standard 4000K CCT/ 70 CRI minimum, 2700K, 3000K CCT/ 70 CRI minimum available
- IP66 rated LED light engine

ELECTRICAL

- 120-277VAC 50/60 Hz operation
- Standard 1-10V dimming; DALI dimming options available
- 10kV/ 5kA surge protection meets IEEE/ ANSI C62.41, ANSI C136.2-2015
- 20kV/ 10kA surge protection option available

CONSTRUCTION

- Heavy-duty die-casting aluminum housing and door
- Arm mount is adjustable from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.)
- Slipfitter with 0, +2.5, +5 degree of adjustment for leveling
- Stainless two-bolt/ on bracket slipfitter
- Tool-less entry for easy installation and maintenance

CONTROL

- NEMA 3-pin photocontrol receptacle
- Advance 7-pin photocontrol receptacle available to meet ANSI C136.41

WARRANTY

- Ten-year warranty*1
- *1 See your sales representative for warranty terms and conditions

RATING AND CERTIFICATIONS

- UL and cUL Wet Location Listed
- DesignLights Consortium® (DLC) Qualified Product
- Rated for -40°C to +45°C ambient (-40°F to +113°F ambient)
- Meets FCC Part 15, Subpart B, Class A Standards
- 3G Vibration Rated
- RoHS Compliant

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PERFORMANCE TABLE

Light Distribution	Color Temp. 2700K					Color Temp. 3000K					Color Temp. 4000K				
	Lumen Pack	Flux (lm)	Power (W)	LPW	BUG Rating	Lumen Pack	Flux (lm)	Power (W)	LPW	BUG Rating	Lumen Pack	Flux (lm)	Power (W)	LPW	BUG Rating
Type III	A	4055	29	140	B1-U0-G1	A	4182	29	144	B1-U0-G1	A	4388	29	151	B1-U0-G1
	B	5497	40	138	B1-U0-G1	B	5667	40	142	B1-U0-G1	B	5949	40	149	B1-U0-G1
	C	6453	48	134	B2-U0-G2	C	6654	48	139	B2-U0-G2	C	6983	48	145	B2-U0-G2
	D	7582	58	131	B2-U0-G2	D	7818	58	135	B2-U0-G2	D	8206	58	141	B2-U0-G2
	E	8803	68	128	B2-U0-G2	E	9075	68	133	B2-U0-G2	E	9527	68	140	B2-U0-G2
Type V	A	4194	29	145	B3-U0-G1	A	4325	29	149	B3-U0-G1	A	4539	29	157	B3-U0-G1
	B	5686	40	142	B3-U0-G1	B	5861	40	147	B3-U0-G1	B	6154	40	154	B3-U0-G1
	C	6674	48	139	B3-U0-G1	C	6882	48	143	B3-U0-G2	C	7223	48	150	B3-U0-G2
	D	7850	58	135	B3-U0-G2	D	8093	58	140	B3-U0-G2	D	8496	58	146	B3-U0-G2
	E	9113	68	133	B3-U0-G2	E	9395	68	138	B3-U0-G2	E	9862	68	145	B4-U0-G2

Information shown above is based on nominal system data. Initial delivered lumens at 25°C(77°F). Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

LUMEN MAINTENANCE

Lumen Package	TM-21 Lumen Maintenance (50,000 hours)	TM-21 Lumen Maintenance (100,000 hours)	Theoretical L70 (Hours)
A, B, C, D	92.17%	84.81%	>100,000
E	91.2%	82.91%	>100,000

Projected lumen maintenance per IES TM-21 at 25°C ambient and based on LM-80.

ORDERING INFORMATION

STL-

Series	Lumen Package	Driver	Optics	Color Temperature
STL – Sentinel	*A – 45% Lumens Output B – 60% Lumens Output C – 70% Lumens Output D – 85% Lumens Output E – Full Lumens Output	UD – 120-277V, 1-10V DD – 120-277V, DALI	T3 – Type III T5 – Type V	27 – 2700K 30 – 3000K 40 – 4000K

Paint	Surge Protection	Controls	Refractor	Accessories
A – Raw Aluminum G – Gray	10V – 10kV/5kA 20V – 20kV/10kA	3R – 3-pin PCR 7R – 7-pin PCR P3 – Longlife Photocontrol and 3-pin PCR P7 – Longlife Photocontrol and 7-pin PCR *3RD – 3-pin PCR and 8 Level Dimming *7RD – 7-pin PCR and 8 Level Dimming *P3D – Longlife Photocontrol, 3-pin PCR and 8 Level Dimming *P7D – Longlife Photocontrol, 7-pin PCR and 8 Level Dimming	N – No Drop Refractor REF – Drop Refractor (Shipped separately)	Blank 24A – 24" 1-1/4" Aluminum Arm 18A – 18" 1-1/4" Aluminum Arm 5L – 5' 14AWG Pre-wire 24AL – 24" Arm, 5' Wires 5L12 – 5' 12AWG Pre-wire

* A, 3RD, 7RD, P3D, P7D models are excluded on the DLC list.