

COST EFFECTIVE

Completely off grid solution. Can be installed anywhere without the need for trenching or cabling.



EFFICIENT & AFFORDABLE

Proper sizing by project location to ensure reliable, year round operation in all climates.



REMOTE MONITORING

Lights that tell you if they need attention.

AcuityBrands.

Compatible with Acuity Brands DSX0 LED fixtures. Available in various optics and color temperatures.



HIGH QUALITY

87% of the components used in our lights are manufactured in America, built to last with quality materials.

MEETS IES STANDARDS

The EverGen meets required light levels while avoiding unnecessary health and environmental impacts.



3

STEPS WE TAKE TO GUARANTEE OUR EVERGEN WILL PERFORM AS PROMISED :

01

Engineer a system that meets required light levels. We design it smart, not large, to ensure cost savings.

02

Build it tough to withstand heat, cold, wind, and moisture. We offer a 10-year standard warranty.

03

Accurately size for each location. Specified light performance is sustained over the long term as planned.

SOLAR PANEL	1 Battery		2 Batteries		3 Batteries		4 Batteries	
	EPA (sq ft)	Weight (lbs)	EPA (sq ft)	Weight (lbs)	EPA (sq ft)	Weight (lbs)	EPA (sq ft)	Weight (lbs)
Single	7.33	145	8.18	215	8.18	273	8.18	331
Double	14.67	174	15.52	243	15.52	301	15.52	360

* Luminaire and arm not included. System weight and EPA will vary based on the number and type of both fixtures and batteries. The chart above is for reference only. Sol provides a calculated EPA and weight when a system is quoted and submitted.

SYSTEM DATA	
Colors	Aluminum/silver (natural finish), black, bronze. Custom RAL colors available upon request.
Material	Grade A corrosion resistant aluminum for panel mounts and battery enclosure. Steel and aluminum poles available.
Security	Batteries mounted at the top of pole to reduce theft and vandalism. Security bolts used to fasten cover.
Pole Tenon	3.5" (88.9mm) O.D. x 6" (152.4mm)
Panel Quantity	1-2 based on sizing
CONTROLLER	
Monitoring	Insight remote monitoring package
Charging Type	MPPT
LED Fixture Power	Via integrated onboard high-efficiency driver
Operating Profile Options	Dusk-to-dawn 100% power, various dimmed profiles
Day/Night Transition	Via solar panels
BATTERY	
Type	Maintenance-free valve regulated lead acid; spill-proof, leak-proof.
Standard Options	Gel Technology Group 27 (5-year)
Extended Life Options	Pure Lead AGM Technology Group 31 (10-year)
Quantity	1-4 based on sizing
WARRANTY (See warranty documentation for more details)	
Electronics	10 years
Battery	5-year warranty on standard battery
	Up to 10-year extended-life battery upgrades available
Fixture	Manufacturer's Warranty – 5 years limited excluding finish
Pole	Lifetime (excluding finish)
Hardware	10 years

EverGEN[®] ENERGY MANAGEMENT SYSTEM

The EverGEN[®] ensures bright, reliable light output and healthy, high-functioning lighting systems with low-maintenance operation and remote monitoring.

- Bluetooth[®] wireless technology and setup app for simple and secure setup
- System health notifications via Sol Insight if an EverGen isn't working as expected
- Programmed by Sol based on your project requirements
- Flexible operating modes (dusk-to-dawn, split night, split night with dimming)
- Integrated MPPT charging and LED driving system reduces system failures, overall system complexity, and cost
- Integrated surge protection and noise reduction
- Keyed connectors for simple and reliable assembly
- Temperature compensated and MPPT controlled battery charging to maximize battery life and energy collection
- Rugged solid state design ensures long life and no maintenance
- 10-year limited warranty

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Document: Evergen Sol by Sunna-EN-052020

Acuity DSX0

TECHNICAL SPECIFICATIONS

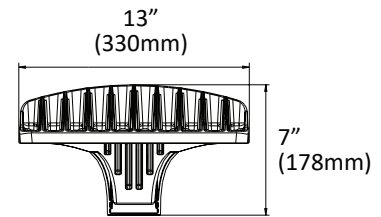
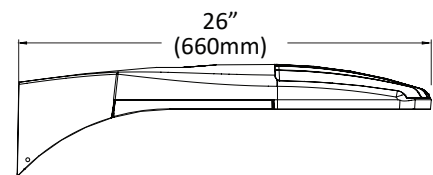


The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density.

Applications:

Residential roads, collector roads, parking lots, and general area spaces.



Weight: 16 lbs (7.25 kg)

PERFORMANCE SUMMARY

Initial Delivered Lumens: Up to 12,800

Efficacy: Up to 155 LPW

CRI: Minimum 70 CRI

CCT: 3000K, 4000K, 5000K

Limited Warranty: 5 years on luminaire

OPTIONS

Product	Mounting	Optic	Input Power*	CCT	CRI	Color Options	Mount	Options
DSX0	P5 40LED	2ME Type II Medium 3ME Type III Medium 4ME Type IV Medium 5ME Type V Medium	10-100W (based on location and profile)	30K 3000K 40K 4000K 50K 5000K	>70	BK Black BZ Bronze SV Natural Aluminum	RPA Round Pole Mounting	Powered by EverGen EMS



* Please refer to project based System Overview provided by Sol for your exact fixture specifications.

Acuity DSX0

PRODUCT SPECIFICATIONS



INTENDED USE

The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and pedestrian areas.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI)

configurations. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°).

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 0 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 0 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block and NEMA photocontrol receptacle are also available.

LISTINGS

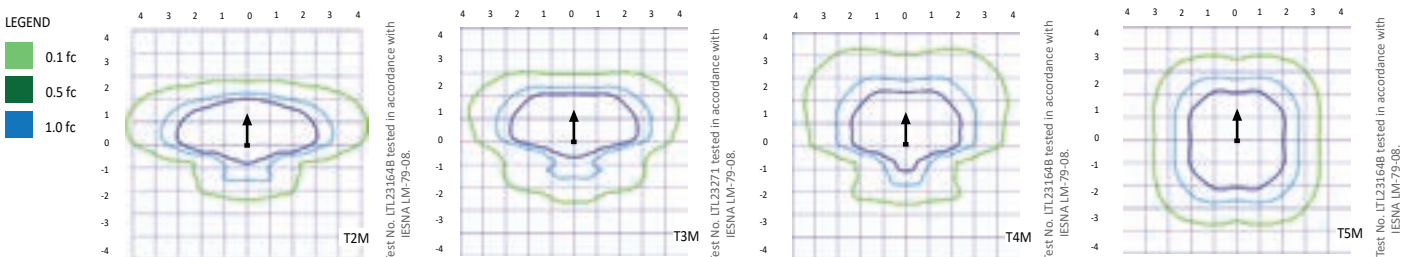
UL Listed for wet locations. luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/resources/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Isofootcandle plots for the DSX0 LED 40C 1000 40K. Distances are in units of mounting height (25'). *For visual reference only; please see Sol-provided IES Files and Photometrics.



LUMINAIRE EPA

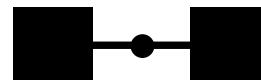
Direct Mount – Weight: 16 lbs (7.25 kg)

Single



0.95 sqft (0.09 sqm)

2 @ 180



1.9 sqft (0.18 sqm)



INDUSTRY-LEADING WARRANTY

The EverGen comes with a 10-Year municipal grade warranty on the complete solar system, battery included.



TAILOR-MADE

Built and sized to your specific application and location to ensure reliable, year round operation in all climates.

MULTIPLE COLOR OPTIONS

Three standard colors are available with a smooth, highly durable finish.



Black



Bronze



Silver

* Custom RAL colors are available on request.



REMOTE MONITORING

With access to the SOL Insight™ platform, you will always know if your lights need attention.



HIGH QUALITY

87% of the components used in our lights are manufactured in America, built to last with quality materials.



STATE OF THE ART FIXTURES

Compatible with deco-functional style luminaires from Cyclone, selected for their high performance LED modules that deliver exceptional optical control.



TRADITIONAL LIGHTING WITH MODERN TECHNOLOGY

The Decorative Series includes a variety of decorative fixture and arm combinations to suit your traditional design specifications. The system is sized and configured to your requirements to run throughout the night or to save energy with dimming when full light is not required.

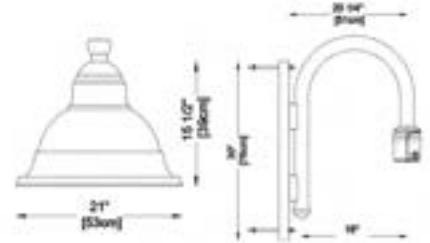
Decorative Series is ideal for **Area Lighting, Parking Lots, Parks, Boardwalks, Private Roads & Streets.**



DOMIA MINI | PENDANT

The smooth curves and timeless shape of the Domia Mini blends easily into any environment. With its flat lens design, the Domia Mini offers high photometric performance and Dark-Sky compatibility.

Housing: sturdy aluminum casting, polyester powder coating (marine grade option).

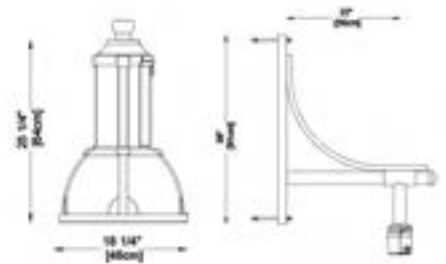


MAJESTA | PENDANT

Period style combined with an industrial look, the Majesta adapts exceptionally in both urban and suburban environments.

Housing: sturdy diecast aluminum, polyester powder coating (marine grade option).

Optional Globe: Clear ribbed or frost PMMA, clear glass.

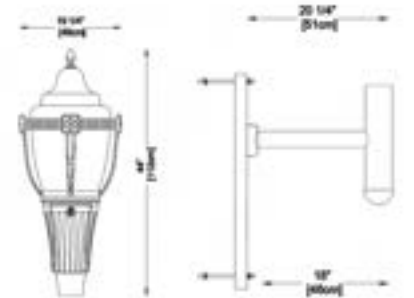


SYMPHONY | POST TOP STYLE

The Symphony is a new take on the traditional "acorn" design. Available with and without a decorative guard, it comes with a metallic top to improve dark sky conditions.

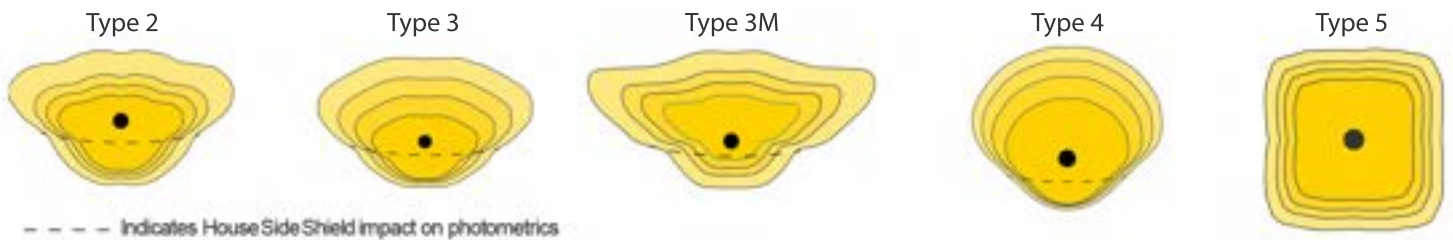
Housing: Spun aluminum hood, polyester powder coating.

Globe: Available in clear ribbed PMMA acrylic or with a diffused finish. Optional house-side shield available.



LENS & OPTICS (AVAILABLE IN 3000K & 4000K)

All arms are attached on the pole side. Location and mounting height will be determined by installer. Mounting hole will be drilled onsite.



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Pole Tenon	3.5" (88.9mm) O.D. x 6" (152.4mm)
Panel Quantity	1-2 based on sizing

CONTROLLER

Monitoring	Insight remote monitoring package
Charging Type	MPPT
LED Fixture Power	Via integrated onboard high-efficiency driver
Operating Profile Options	Dusk-to-dawn 100% power, various dimmed profiles
Day/Night Transition	Via solar panels

BATTERY

Type	Maintenance-free valve regulated lead acid; spill-proof, leak-proof.
Standard Options	Gel Technology Group 27 (5-year)
Extended Life Options	Pure Lead AGM Technology Group 31 (10-year)
Quantity	1-4 based on sizing

WARRANTY (See warranty documentation for more details)

Electronics	10 years
Battery	5-year warranty on standard battery
	Up to 10-year extended-life battery upgrades available
Fixture	Manufacturer's Warranty – 5 years limited excluding finish
Pole	Lifetime (excluding finish)
Hardware	10 years

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