

In addition to a low initial cost, the XSPMD LED Street/Area luminaire maintains the familiar look of the traditional cobrahead design and delivers substantial energy savings while reducing maintenance time and costs. The hassle-free design of the XSP Medium luminaire includes tool-less entry and +/- 5° fixture leveling for easy installation. Our NanoOptic[®] Precision Delivery Grid[™] optic achieves better optical control than traditional street and area lighting fixtures and efficiently delivers white uniform light for safer-feeling communities.

Applications: Residential roads, collector roads, parking lots, and general area spaces

PERFORMANCE SUMMARY

NanoOptic[®] Precision Delivery Grid[™] optic

Made in the U.S.A. of U.S. and imported parts

Initial Delivered Lumens: Up to 11,785

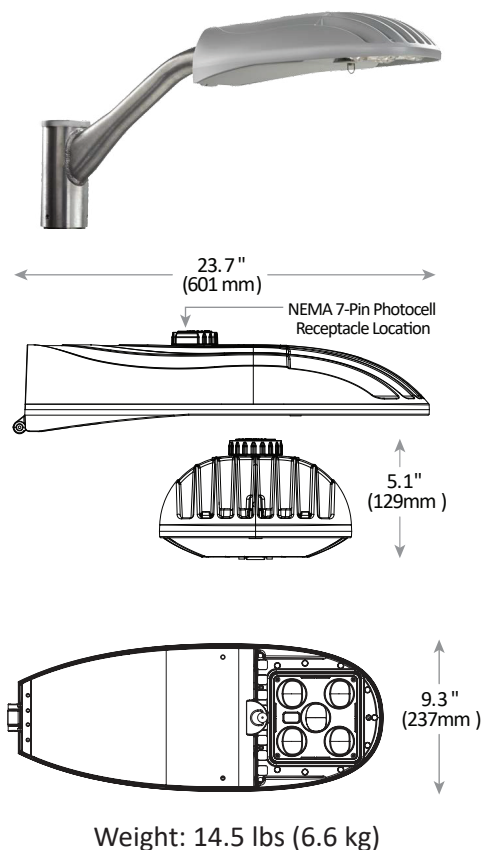
Efficacy: Up to 152 LPW

CRI: Minimum 70 CRI

CCT: 3000K (+/- 300K); 4000K (+/- 300K); 5700K (+/- 500K)

Limited Warranty*: 10 years on luminaire / 10 years on Colorfast DeltaGuard[®] finish

* See <http://lighting.cree.com/warranty> for warranty terms.



OPTIONS

Product	Mounting	Optic	Input Power*	CCT	Voltage	Color Options	Options
XSPMD	HT Horizontal Tenon	2LG Type II Long 3ME Type III Medium 4ME Type IV Medium	10-100W (based on location and profile)	30K 3000K 40K 4000K 57K 5700K	DC	BK Black BZ Bronze SV Silver	Powered by EverGen EMS

* Please refer to System Overview page for your exact fixture specifications.



PRODUCT SPECIFICATIONS

Construction and Materials

- Die cast aluminum housing
- Tool-less entry
- Mounts on 1.25" (32mm) IP, 1.66" (42mm) O.D. or 2" (51mm) IP, 2.375" (60mm) O.D. horizontal tenon (minimum 8" [203mm] in length) and is adjustable +/- 5° to allow for fixture leveling (includes two axis T-level to aid in leveling)
- Luminaire secures with two mounting bolts standard
- Exclusive Colorfast DeltaGuard[®] finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation, and abrasion. Black, bronze, and silver are available.
- Weight: 14.5 lbs (6.6 kg)

Electrical System

- **Input Voltage:** 12VDC

Regulatory and Voluntary Qualifications

- cULus listed
- Suitable for wet locations
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- Meets CALTrans 611 Vibration testing
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- DLC Standard qualified when ordered with 30K, and DLC Premium qualified when ordered with 40K and 57K. Please refer to www.designlights.org/QPL for most current information
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- RoHS compliant. Consult factor for additional details
- Dark Sky Friendly, IDA Approved when ordered with 30K CCT. Please refer to <http://darksky.org/fsa/fsa-products/> for most current information
- Operating temperature: -40° to 55° C* (-40° to 131° F*)

LUMINAIRE EPA

Horizontal Tenon Mount – Weight: 18 lbs (8 kg)

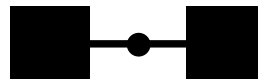
Single

2 @ 180°

Tenon Configuration If used with Cree tenons, please add tenon EPA with luminaire EPA



PD-1H4; PT-1H
0.71



PD-2H4 (180); PT-2H (180)
1.43

* Max storage temperature 55° C (131° F).

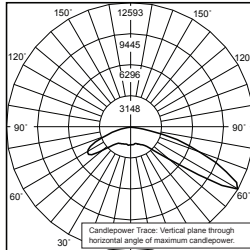
Specifications subject to local environmental conditions.
Specifications may be subject to change.
US and International patents apply. Other patents pending.
"Sol" logo is a trademark of Sunna Design.

All Sol products are manufactured in facilities that are certified to ISO quality standards.
Document: SPEC_SOL-Sunna_XSPMD_RevA

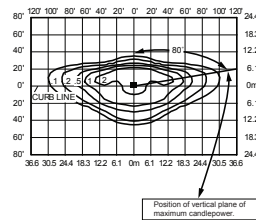
PHOTOMETRY

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/street-and-roadway-xsp-series-1>

2LG



RESTL Test Report #: PL07625-001A
XSPMD--2LG-100W-40K-UL**
Initial Delivered Lumens: 10,905



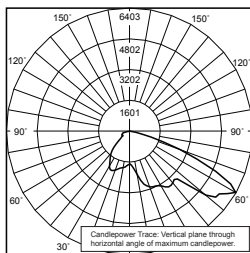
XSPMD--2LG-100W-40K-UL**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 10,722
Initial FC at grade

Type II Long Distribution

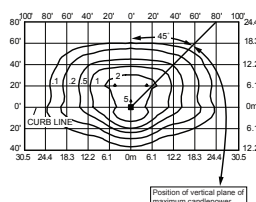
3000K		4000K		5700K	
Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
Up to 11,475	B3 U0 G3	Up to 11,800	B3 U0 G3	Up to 11,875	B3 U0 G3

* Initial delivered lumens at 25° C (77° F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating, visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf. Valid with no tilt

3ME



RESTL Test Report #: PL07628-001A
XSPMD--3ME-100W-40K-UL**
Initial Delivered Lumens: 10,868



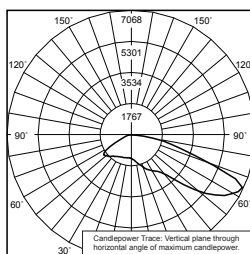
XSPMD--3ME-100W-40K-UL**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 10,722
Initial FC at grade

Type III Medium Distribution

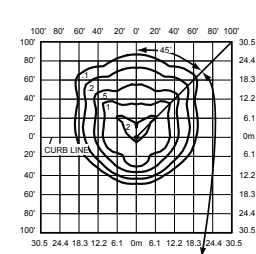
3000K		4000K		5700K	
Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
Up to 11,475	B2 U0 G2	Up to 11,800	B2 U0 G2	Up to 11,875	B2 U0 G2

* Initial delivered lumens at 25° C (77° F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating, visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf. Valid with no tilt

4ME



RESTL Test Report #: PL04171-001
XSPMD--4ME-100W-40K-UL**
Initial Delivered Lumens: 10,983



XSPMD--4ME-100W-40K-UL**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 10,722
Initial FC at grade

Type IV Medium Distribution

3000K		4000K		5700K	
Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
Up to 11,475	B2 U0 G2	Up to 11,800	B2 U0 G2	Up to 11,875	B2 U0 G2

* Initial delivered lumens at 25° C (77° F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating, visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf. Valid with no tilt

Specifications subject to local environmental conditions.
Specifications may be subject to change.
US and International patents apply. Other patents pending.
"Sol" logo is a trademark of Sunna Design.

All Sol products are manufactured in facilities that are certified to ISO quality standards.
Document: SPEC_SOL-Sunna_XSPMD_RevA