

XSP Series

XSPR™ LED Street Light



XSPR™ Luminaire

Cree Transforms Residential Street Lighting with Economical XSPR™ Luminaire

MAXIMUM

Lighting Value

With two wattage choices, 25W and 42W, XSPR is designed to replace 70W up to 100W and while consuming 50% lower energy as compared to HPS.

APPLICATION-SPECIFIC

Optics

The XSPR luminaire is equipped with patented NanoOptic® technology to place more lumens in the target area and offered in three optical distributions — Type II, Type II Long and Type III.

UNPARALLELED

Design

State-of-the-art flow-through heat sink technology delivers a decade of near maintenance-free performance as compared to traditional HPS while maintaining the traditional cobrahead design.

HASSLE-FREE

Installation

Designed for residential street lighting applications, the XSPR street light features tool-less entry. Simplified mounting solutions: featuring the horizontal tenon which is adjustable $\pm 5^\circ$ to allow for fixture leveling.

Lighting the Path to Savings.

The Cree® XSPR™ LED street light uses over 50% less energy and is designed to affordably replace 70W and up to 100W High Pressure Sodium street lights found in many residential areas. With less time and money spent on street lights, you can redirect those resources to other community improvement projects.

PERFORMANCE SUMMARY

Utilizes BetaLED® Technology

NanoOptic® Precision Delivery Grid™ optic

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

INPUT POWER: 25 or 42 watts

CRI: Minimum 70 CRI

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

INPUT VOLTAGE: 120-277V

LIMITED WARRANTY: 10 years on luminaire /

10 years on Colorfast DeltaGuard® finish

LIFETIME: Designed to last 100,000 hours

MOUNTING: Horizontal Tenon

Product specifications subject to change at any time.



CONSTRUCTION & MATERIALS

- Die cast aluminum housing
- Tool-less entry
- Mounts on 1.25" IP, 1.66" (42mm) O.D. or 2" IP, 2.375" (60mm) O.D. horizontal tenon (minimum 8" [203mm] in length) and is adjustable +/- 5° to allow for fixture leveling
- 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.

OPTICAL SYSTEM

- Utilizing highly-diffused performance optics for soft, glare-free light.
- Better optical control with our NanoOptic® Precision Delivery Grid™ optic.

ELECTRICAL SYSTEM

- High-efficiency driver and power supply offer robust performance with input power staying constant over the life of the fixture.
- Tool-less access door allows for easy wiring and fast installation.

FINISH COLOR

Silver (SV)



LUMEN OUTPUT, ELECTRICAL, AND LUMEN MAINTENANCE DATA

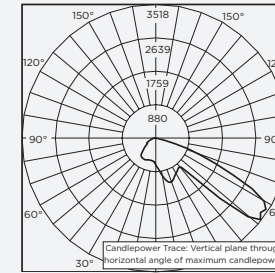
Input Power Designator	Type II Distribution				System Watts 120-277V
	5700K		4000K		
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	
C	4,109	B1 U0 G1	3,819	B1 U0 G1	41
G	2,722	B1 U0 G1	2,529	B1 U0 G1	25

* Actual production yield may vary between -4 and +10% of initial delivered lumens.
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit www.iesna.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf. Valid with no tilt.

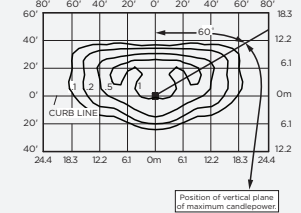
PHOTOMETRY

BXSPRA*2FC-U / Based on CESTL Test Report #: 2013-0151

(disclaimer)



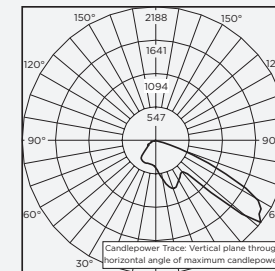
Initial Delivered Lumens: 3,759



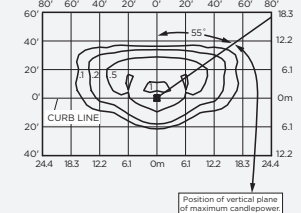
Mounting Height: 25' (7.6m)
 Initial Delivered Lumens: 3,819
 Initial FC at grade

PHOTOMETRY

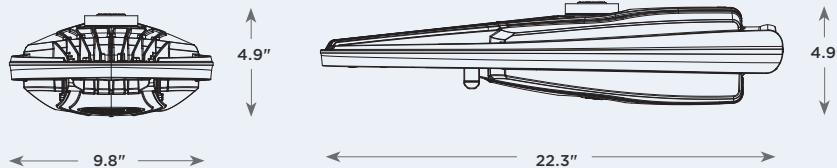
BXSPRA*2FG-U / Based on CESTL Test Report #: 2013-0154



Initial Delivered Lumens: 2,480



Mounting Height: 25' (7.6m)
 Initial Delivered Lumens: 2,529
 Initial FC at grade



XSPR™

LED STREET LIGHT

- 2,722 lumens, 25W
- 4,109 lumens, 42W
- 50,000 hours Calculated Lumen Maintenance Factor

• **Dimensions:** L 22.3" x W 9.8" x H 4.9"

