

Luminaire Schedule							
Symbol	Qty	Label	Arrangement	LMF	Lum. Lumens	Lum. Watts	Part Number
	20	CPY-F-C	SINGLE	1.000	4520	31	CPY250-B-DM-F-C-UL-WH-57K-HZ
	6	CPY-FLAT-C	SINGLE	1.000	4520	31	CPY250-B-DM-F-C-UL-BZ-57K-HZ
	2	XSPLG-4ME	SINGLE	1.000	23600	184	XSPLG-D-HT-4ME-24L-57K7-UL-BZ-N
	7	XSPLG-4ME-BLS	SINGLE	1.000	17400	184	XSPLG-D-HT-4ME-24L-57K7-UL-BZ-N w_XA-SP2BLS
	10	X-2L	WALL MOUNT	1.000	2490	19	XSPW-B-WM-3ME-2L-57K-UL-BZ
	9	XSPW	WALL MOUNT	1.000	4270	31	XSPW-B-WM-3ME-4L-57K-UL-BZ

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
Canopy 1	Fc	10.93	14	7	1.56	2.00
Canopy 2	Fc	8.43	11	6	1.41	1.83
Paved Area	Fc	3.01	16.0	0.2	15.05	80.00

FIXTURE MOUNTING HEIGHTS AS SHOWN
POLES MOUNTED ON 3' BASE

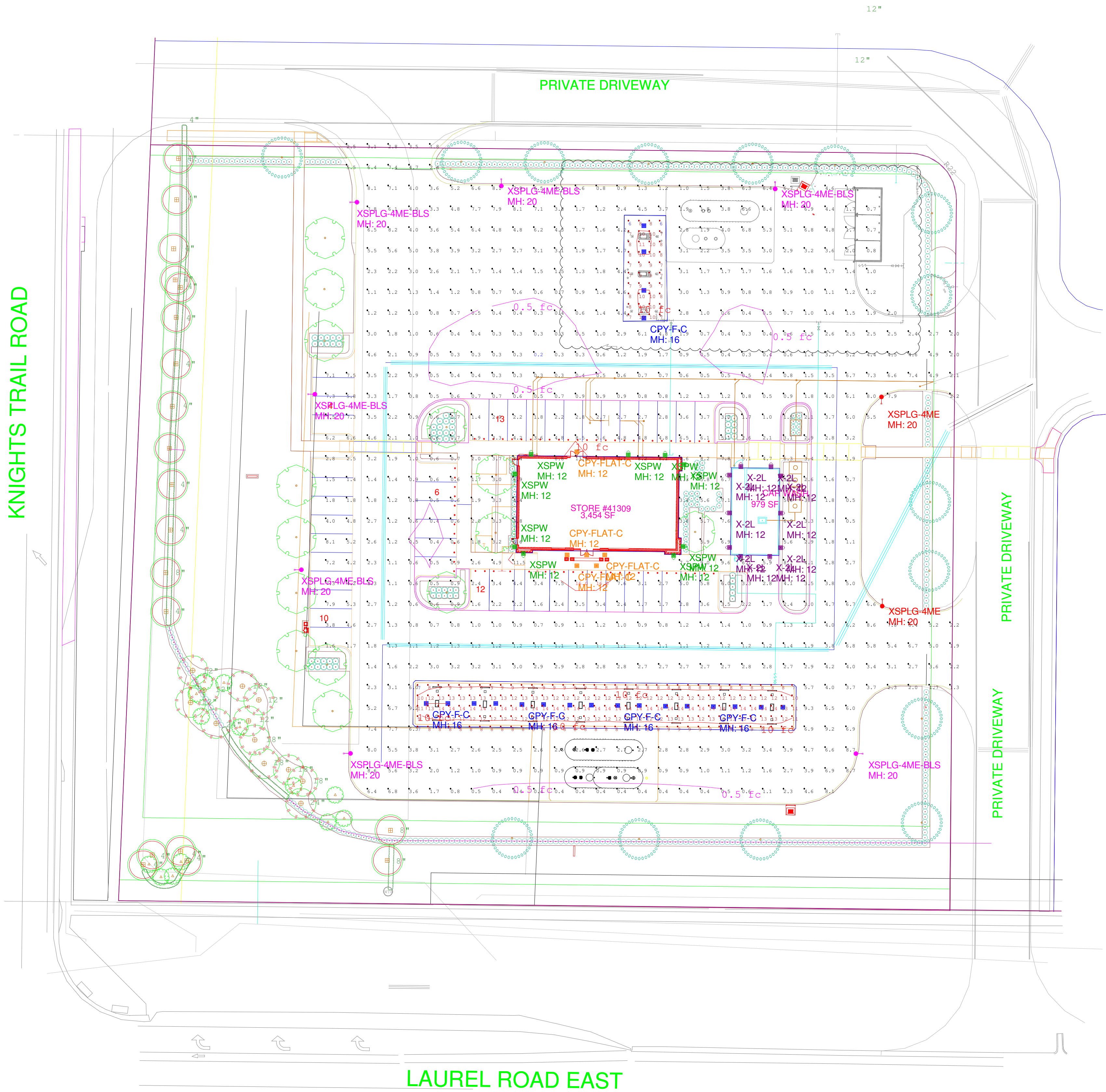
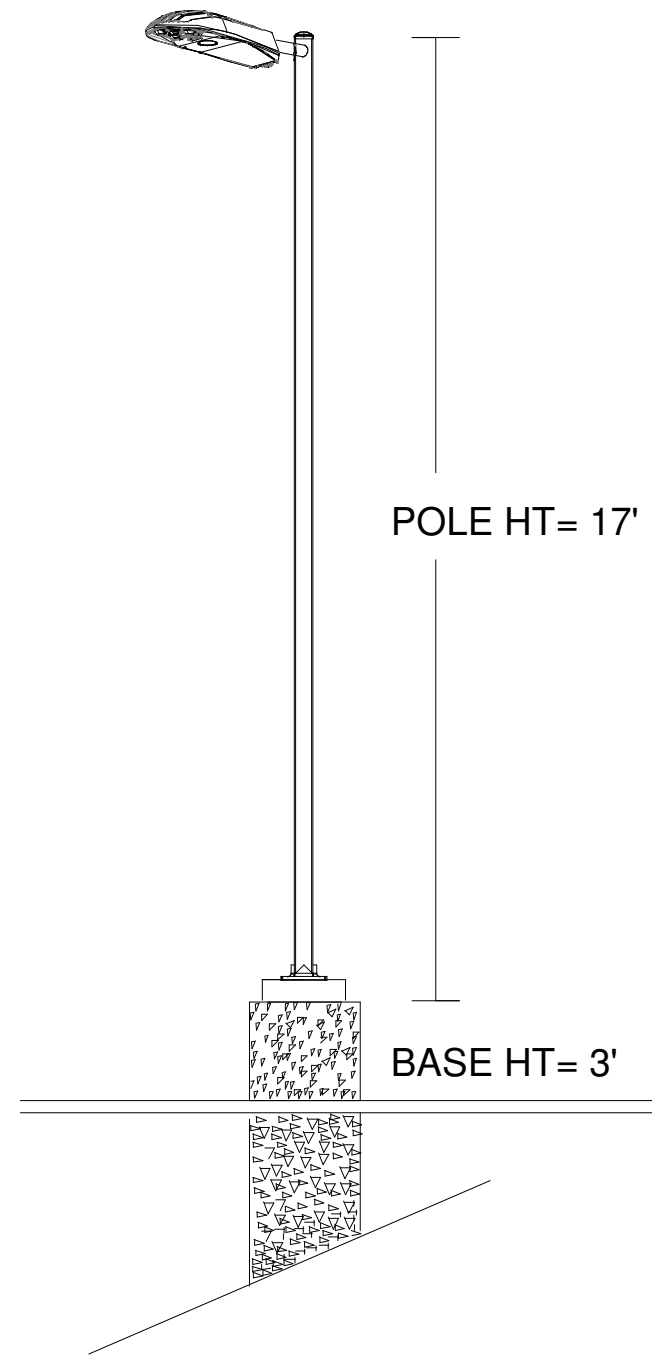
ADDITIONAL EQUIPMENT REQUIRED:
(9) SSS-4-11-17-CW-BS-OT-N-BZ (17' x 4" x 0.125" STEEL SQUARE POLE, TENON MOUNT)
(9) PD-1H4 SINGLE HORIZONTAL TENON
(7) XA-SP2BLS BACKLIGHT SHIELD

PROPOSED POES MEET 140MPH SUSTAINED WIND LOADS

*** CUSTOMER TO VERIFY ORDERING INFORMATION AND
CATALOGUE NUMBER PRIOR TO PLACING ORDER ***

BOM: Complete Part Description

- 09 XSPW-B-WM-3ME-4L-57K-UL-BZ
- 08 XSPW-B-WM-3ME-2L-57K-UL-BZ
- 06 CPY250-B-DM-F-C-UL-BZ-57K-HZ
- 20 CPY250-B-DM-F-C-UL-WH-57K-HZ
- 09 XSPLG-D-HT-4ME-24L-57K-UL-BZ-N
- 09 SSS-4-11-17-CW-BS-OT-N-BZ
- 09 PD-1H4BZ
- 07 XA-SP2BLS



XSP Series

XSPLG LED Street/Area Luminaire – Large

Rev. Date: V6 04/14/2020

Product Description

Designed from the ground up as a totally optimized LED street and area lighting system, the XSP Series delivers incredible efficiency without sacrificing application performance. Beyond substantial energy savings and reduced maintenance, Cree Lighting achieves greater optical control with our NanoOptic® Precision Delivery Grid™ optic when compared to traditional cobra head luminaires. The XSP Series is the better alternative for traditional street and area lighting with quick payback and improved performance.

Applications: Multi-lane freeways, express ways, major roads, parking lots, and general area spaces

Performance Summary

NanoOptic® Precision Delivery Grid™ optic

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

Initial Delivered Lumens: Up to 23,800

Efficacy: Up to 141 LPW

CRI: Minimum 70 CRI

CCT: 2700K, 3000K, 4000K, 5000K, 5700K

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

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

Accessories

Field-Installed		
Backlight Control Shield XA-SP2BLS - Provides 1 mounting height cutoff - Polycarbonate construction - Refer to initial delivered lumen tables for lumen output	Bird Spikes XSP-BRDGRDL	Shorting Cap XA-XSLSHRT

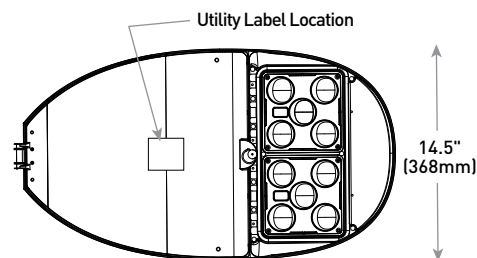
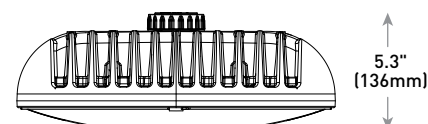
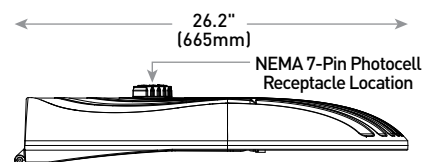
Ordering Information

Example: XSPLG-D-HT-2LG-24L-27K7-UL-SV-N

XSPLG	D	HT						N	
Product	Version	Mounting	Optic	Lumen Package**	CCT/CRI	Voltage	Color Options	Utility Label/Receptacle	Options
XSPLG	D	HT Horizontal Tenon	Asymmetric 2LG* Type II Long 2ME* Type II Medium 3ME* Type III Medium 4ME* Type IV Medium Symmetric 5SH Type V Short	18L 18,000 Lumens 24L 24,000 Lumens	27K7 2700K, 70 CRI 30K7 3000K, 70 CRI 40K7 4000K, 70 CRI 50K7 5000K, 70 CRI 57K7 5700K, 70 CRI	UL Universal 120-277V UH Universal 347-480V	BK Black BZ Bronze SV Silver WH White	N Utility Label and NEMA® 7-Pin Photocell Receptacle - External wattage label per ANSI C136.15 - 7-pin receptacle per ANSI C136.41 - Receptacle leads are factory connected to the driver - Requires photocell or shorting cap (by others)	DLI DALI Compatible - Available with UL voltage only - Not available with Q or X options G Small Four Bolt Mounting - Mounts to 1.25" (32mm) IP, 1.66" (42mm) O.D. horizontal tenon J Large Four Bolt Mounting - Mounts to 2" (51mm) IP, 2.375" (60mm) O.D. horizontal tenon Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1 Field Adjustable Output - Must select Q9, Q8, Q7, Q6, Q5, Q4, Q3, Q2, or Q1 - Offers full range lumen adjustability - Includes wattage label for setting selected - Refer to pages 8 and 9 for power and lumen values - Luminaire may also be dimmed through 7-Pin receptacle with use of dimming control by others X8/X7/X6/X5/X4/X3/X2/X1 Locked Lumen Output - Must select X8, X7, X6, X5, X4, X3, X2, or X1 - Lumen output is permanently locked to the setting selected - Includes wattage label for setting selected - Refer to pages 8 and 9 for power and lumen values - Dimming is only available through 7-Pin receptacle with use of dimming control by others

* Available with Backlight Shield when ordered with field-installed accessory (see table above)

** Lumen Package codes identify approximate light output only. Actual lumen output levels may vary depending on CCT and optic selection. Refer to Initial Delivered Lumen tables for specific lumen values



Weight

23.4 lbs. (10.6kg)



US: creelighting.com (800) 236-6800

Canada: creelighting-canada.com (800) 473-1234

CREE  **LIGHTING**

Product Specifications

CONSTRUCTION & 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 410 stainless steel mounting bolts; optional four point mounting available
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable black, bronze, silver or white powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion
- **Weight:** 23.4 lbs. (10.6kg)

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- Consult factory if in-luminaire fusing is required
- Designed with 0-10V dimming capabilities. Controls by others
- **10V Source Current:** 0.15mA
- Luminaires with DLI option are DALI compatible per IEC 62386
- **Operating Temperature Range:** -40°C - +40°C (-40°F - +104°F)

REGULATORY & 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
- ANSI C136.2 10kV surge protection, tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- 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 factory for additional details
- Dark Sky Friendly, IDA Approved when ordered with 27K7 or 30K7 CCTs. Please refer to <https://www.darksky.org/our-work/lighting/lighting-for-industry/fsa/fsa-products/> for most current information
- DLC and DLC Premium qualified versions available. Please refer to <https://www.designlights.org/search/> for most current information.

 **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Product Specifications

SYNAPSE® SIMPLYSNAP INTELLIGENT CONTROL
FOR NON-STREET LIGHTING APPLICATIONS ONLY

The XSP Series is compatible with the Synapse® SimplySNAP platform. A highly intuitive connected lighting solution for Site and Area applications only. The system features a reliable and robust self-healing mesh network with a browser-based interface that runs on smartphones, tablets, and PCs. Using a Twist-Lock Lighting Controller and Site Controller, SimplySNAP provides: energy productivity, code compliance and a better light experience for non-street lighting installations. SimplySNAP is optimized to create and manage networks for campus wide Area and Site applications which differs from networking requirements for street lighting applications.

Synapse Wireless Control Accessories (for Non-Street Lighting Applications only)	
Twist-Lock Lighting Controller TL7-B2 - Suitable for 120-277V (UL) voltage only - Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle - Not for use with Q options - Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaires - Refer to TL7-B2 spec sheet for details SimplySNAP Central Base Station CBSSW-450-002 - Includes On-Site Controller (SS450-002) and 5-button switch - Indoor and Outdoor rated - Refer to CBSSW-450-002 spec sheet for details Synapse Wireless Sensor WSN-DPM - Motion and light sensor - Control multiple zones - Refer to WSN-DPM spec sheet for details	SimplySNAP On-Site Controller SS450-002 - Verizon® LTE-enabled - Designed for indoor applications - Refer to SS450-002 spec sheet for details Building Management System (BMS) Gateway BMS-GW-002 - Required for BACnet integration - Refer to BMS-GW-002 spec sheet for details Outdoor Antennas (Optional, for increased range, 8dB gain) KIT-ANT420SM - Kit includes antenna, 20' cable and bracket KIT-ANT360 - Kit includes antenna, 30' cable and bracket KIT-ANT600 - Kit includes antenna, 50' cable and bracket - Refer to Outdoor antenna spec sheet for details

Electrical Data*										
Lumen Package	Optics	CCT/ CRI	System Watts 120-480V	Utility Label Wattage	Total Current (A)					
					120V	208V	240V	277V	347V	480V
18L	All	All	135	140	1.13	0.65	0.57	0.49	0.39	0.28
24L	All	All	184	180	1.54	0.89	0.77	0.67	0.54	0.39

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/- 10%

XSP Series (XSPLG) Ambient Adjusted Lumen Maintenance ¹						
Ambient	Optics	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Reported ² / Estimated ³ LMF	100K hr Reported ² / Estimated ³ LMF
5°C [41°F]	Asymmetric	1.03	1.02	1.00	0.98 ²	0.96 ²
	Symmetric	1.04	1.03	1.03	1.03 ³	1.03 ³
10°C [50°F]	Asymmetric	1.03	1.02	1.00	0.98 ²	0.96 ²
	Symmetric	1.03	1.02	1.02	1.02 ³	1.02 ³
15°C [59°F]	Asymmetric	1.02	1.01	0.99	0.97 ²	0.95 ²
	Symmetric	1.02	1.01	1.01	1.01 ³	1.01 ³
20°C [68°F]	Asymmetric	1.01	1.00	0.98	0.96 ²	0.94 ²
	Symmetric	1.01	1.01	1.00	1.00 ³	1.00 ³
25°C [77°F]	Asymmetric	1.00	0.99	0.97	0.95 ²	0.93 ²
	Symmetric	1.00	0.99	0.99	0.99 ³	0.99 ³

¹ Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

² In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

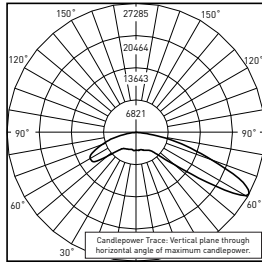
³ Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

XSPLG LED Street/Area Luminaire – Large

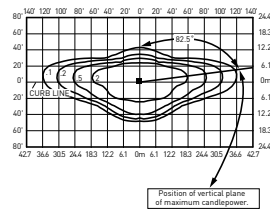
Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult:
<http://creelighting.com/products/outdoor/street-and-roadway/xsp-series>

2LG



RESTL Test Report #: PL12765-007B
XSPLG-D--2LG-24L-40K7-UL-**-N**
Initial Delivered Lumens: 23,437

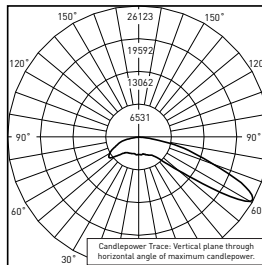


XSPLG-D--2LG-24L-40K7-UL-**-N**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 23,600
Initial FC at grade

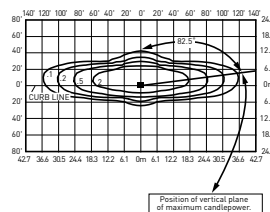
Type II Long Distribution										
Lumen Package	2700K		3000K		4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
18L	17,500	B3 U0 G3	18,100	B3 U0 G3	18,700	B3 U0 G3	18,800	B3 U0 G3	18,800	B3 U0 G3
24L	22,300	B4 U0 G3	23,000	B4 U0 G3	23,600	B4 U0 G3	23,800	B4 U0 G3	23,800	B4 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: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>



RESTL Test Report #: PL12765-008B
XSPLG-D--2LG-24L-40K7-UL-**-N**
w/XA-SP2BLS
Initial Delivered Lumens: 17,373



XSPLG-D--2LG-24L-40K7-UL-**-N**
w/XA-SP2BLS
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 17,500
Initial FC at grade

Type II Long w/BLS Distribution										
Lumen Package	2700K		3000K		4000K		5000K		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	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
18L	12,950	B2 U0 G2	13,400	B2 U0 G2	13,850	B2 U0 G2	13,900	B2 U0 G2	13,900	B2 U0 G2
24L	16,500	B3 U0 G2	17,000	B3 U0 G3	17,500	B3 U0 G3	17,600	B3 U0 G3	17,600	B3 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

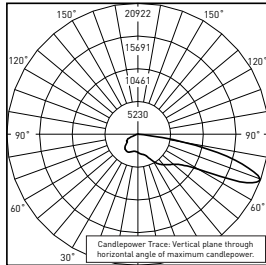
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XSPLG LED Street/Area Luminaire – Large

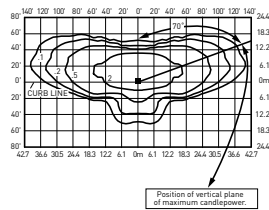
Photometry

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<http://creelighting.com/products/outdoor/street-and-roadway/xsp-series>

2ME



RESTL Test Report #: PL12765-003B
XSPLG-D--2ME-24L-40K7-UL-**-N**
Initial Delivered Lumens: 23,168

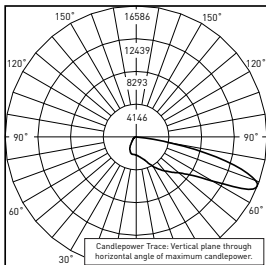


XSPLG-D--2ME-24L-40K7-UL-**-N**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 23,600
Initial FC at grade

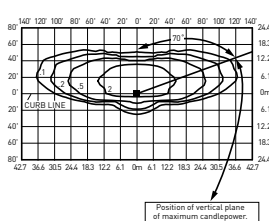
Type II Medium Distribution										
Lumen Package	2700K		3000K		4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
18L	17,500	B3 U0 G3	18,100	B3 U0 G3	18,700	B3 U0 G3	18,800	B3 U0 G3	18,800	B3 U0 G3
24L	22,300	B3 U0 G3	23,000	B3 U0 G3	23,600	B3 U0 G3	23,800	B3 U0 G3	23,800	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: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>



RESTL Test Report #: PL12765-004B
XSPLG-D--2ME-24L-40K7-UL-**-N**
w/XA-SP2BLS
Initial Delivered Lumens: 17,757



XSPLG-D--2ME-24L-40K7-UL-**-N**
w/XA-SP2BLS
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 18,200
Initial FC at grade

Type II Medium w/BLS Distribution										
Lumen Package	2700K		3000K		4000K		5000K		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	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
18L	13,475	B1 U0 G2	13,925	B1 U0 G2	14,400	B1 U0 G2	14,475	B1 U0 G2	14,475	B1 U0 G2
24L	17,200	B2 U0 G3	17,700	B2 U0 G3	18,200	B2 U0 G3	18,300	B2 U0 G3	18,300	B2 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

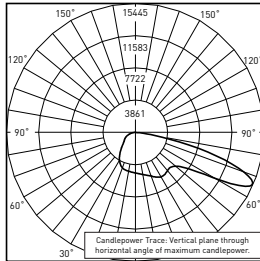
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XSPLG LED Street/Area Luminaire – Large

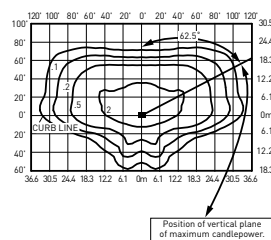
Photometry

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<http://creelighting.com/products/outdoor/street-and-roadway/xsp-series>

3ME



RESTL Test Report #: PL12765-001B
XSPLG-D--3ME-24L-40K7-UL-**-N**
Initial Delivered Lumens: 23,083

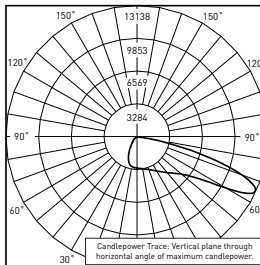


XSPLG-D--3ME-24L-40K7-UL-**-N**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 23,600
Initial FC at grade

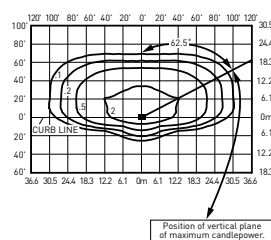
Type III Medium Distribution										
Lumen Package	2700K		3000K		4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
18L	17,500	B3 U0 G3	18,100	B3 U0 G3	18,700	B3 U0 G3	18,800	B3 U0 G3	18,800	B3 U0 G3
24L	22,300	B3 U0 G3	23,000	B3 U0 G3	23,600	B3 U0 G4	23,800	B3 U0 G4	23,800	B3 U0 G4

* 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: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>



RESTL Test Report #: PL12765-002B
XSPLG-D--3ME-24L-40K7-UL-**-N**
w/XA-SP2BLS
Initial Delivered Lumens: 16,503



XSPLG-D--3ME-24L-40K7-UL-**-N**
w/XA-SP2BLS
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 16,800
Initial FC at grade

Type III Medium w/BLS Distribution										
Lumen Package	2700K		3000K		4000K		5000K		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	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
18L	12,425	B2 U0 G2	12,850	B2 U0 G2	13,275	B2 U0 G2	13,350	B2 U0 G2	13,350	B2 U0 G2
24L	15,800	B2 U0 G3	16,300	B2 U0 G3	16,800	B2 U0 G3	16,900	B2 U0 G3	16,900	B2 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

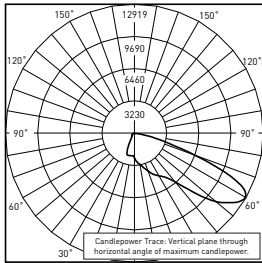
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

XSPLG LED Street/Area Luminaire – Large

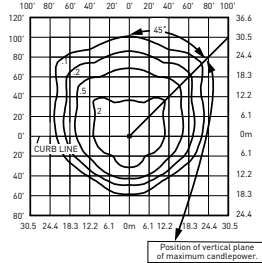
Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult:
<http://creelighting.com/products/outdoor/street-and-roadway/xsp-series>

4ME



RESTL Test Report #: PL12765-005B
XSPLG-D--4ME-24L-40K7-UL-**-N**
Initial Delivered Lumens: 23,195

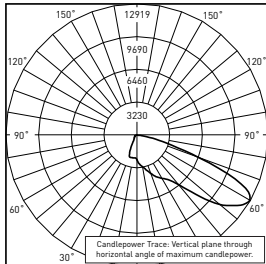


XSPLG-D--4ME-24L-40K7-UL-**-N**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 23,600
Initial FC at grade

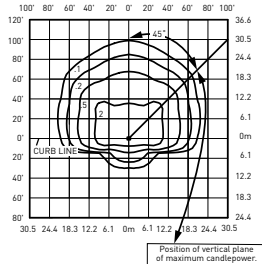
Type IV Medium Distribution										
Lumen Package	2700K		3000K		4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
18L	17,500	B3 U0 G3	18,100	B3 U0 G3	18,700	B3 U0 G3	18,800	B3 U0 G3	18,800	B3 U0 G3
24L	22,300	B3 U0 G3	23,000	B3 U0 G3	23,600	B3 U0 G3	23,800	B4 U0 G3	23,800	B4 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: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>



RESTL Test Report #: PL12765-006B
XSPLG-D--4ME-24L-40K7-UL-**-N**
w/XA-SP2BLS
Initial Delivered Lumens: 16,941



XSPLG-D--4ME-24L-40K7-UL-**-N**
w/XA-SP2BLS
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 17,200
Initial FC at grade

Type IV Medium w/BLS Distribution										
Lumen Package	2700K		3000K		4000K		5000K		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	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
18L	12,775	B2 U0 G2	13,225	B2 U0 G2	13,650	B2 U0 G2	13,725	B2 U0 G2	13,725	B2 U0 G2
24L	16,300	B2 U0 G2	16,800	B2 U0 G2	17,200	B2 U0 G3	17,400	B2 U0 G3	17,400	B2 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

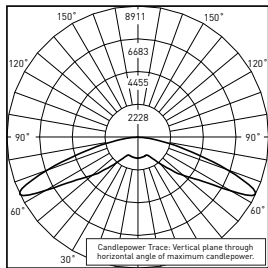
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

XSPLG LED Street/Area Luminaire – Large

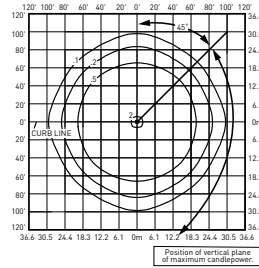
Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult:
<http://creelighting.com/products/outdoor/street-and-roadway/xsp-series>

55H



RESTL Test Report #: PL14063-001A
 XSPLG-D-**-55H-24L-30K7-UL-**-N
 Initial Delivered Lumens: 21,359



XSPLG-D-**-55H-24L-30K7-UL-**-N
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 21,700
 Initial FC at grade

Type V Short Distribution										
Lumen Package	2700K		3000K		4000K		5000K		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	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
18L	14,925	B4 U0 G3	18,100	B4 U0 G3	19,000	B5-U0-G3	19,000	B5 U0 G3	19,000	B5 U0 G3
24L	17,900	B4 U0 G3	21,700	B5 U0 G3	22,800	B5-U0-G3	22,800	B5 U0 G3	22,800	B5 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: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

Luminaire EPA

Horizontal Tenon Mount – Weight: 23.4 lbs. (10.6kg)				
Single	2 @ 90°	2 @ 180°	3 @ 90°	4 @ 90°
Tenon Configuration If used with Cree Lighting tenons, please add tenon EPA with luminaire EPA				
PD-1H4; PT-1H	PD-2H4[90]; PT-2H[90]	PD-2H4[180]; PT-2H[180]	PD-3H4[90]; PT-3H[90]	PD-4H4[90]; PT-4H[90]
0.69	1.14	1.38	1.83	2.28

Tenon EPA

Part Number	EPA
PD Series Tenons	0.09
PT Series Tenons	0.10
WM-2L	0.13
XA-TMDA8	0.19

Tenons and Brackets ¹ (must specify color)	
Square Internal Mount Horizontal Tenons (Aluminum) - Mounts to 4" (102mm) square aluminum or steel poles PD-1H4 – Single PD-3H4[90] – 90° Triple PD-2H4[90] – 90° Twin PD-4H4[90] – 90° Quad PD-2H4[180] – 180° Twin	Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375"-3" (60-76mm) O.D. round aluminum or steel poles or tenons - Mounts to 3" (76mm), 4" (102mm), 5" (127mm), or 6" (152mm) square pole with PB-1A* tenon PT-1H – Single PT-3H[90] – 90° Triple PT-2H[90] – 90° Twin PT-4H[90] – 90° Quad PT-2H[180] – 180° Twin
Wall Mount Brackets - Mounts to wall or roof WM-2L – Extended Horizontal	Direct Arm Pole Adaptor Bracket - Mounts to 3-6" (76-152mm) round or square aluminum or steel poles XA-TMDA8

¹ Refer to the [Bracket and Tenons spec sheet](#) for more details

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"] or 6 [6"] for quad luminaire orientation

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the street and area luminaire within the XSP Series on this page to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected lumen output, will be fully adjustable between the outputs, and will include a wattage label that indicates the wattage of the luminaire at the selected lumen output (Rounded to nearest 10 watts per ANSI C136.15-2015.). Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the XSP Series street and area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected, and will include a wattage label that indicates the wattage of the setting selected. When this option is selected, the luminaire output is not able to be adjusted in the field except if a dimming control (by others) is used in the 7-Pin receptacle.

Q & X Option Power & Lumen Data – 18L

Q Option Setting	X Option Setting	CCT/ CRI	System Watts [†]		Label Wattage	Lumen Values [†]						Optics Qualified on DLC QPL	
			120-480V			2LG/2ME/ 3ME/4ME	5SH	2LG w/ BLS	2ME w/ BLS	3ME w/BLS	4ME w/BLS	Standard	Premium
Q9	N/A (Full Power)	27K7	135	140	17,500	14,925	12,950	13,475	12,425	12,775	5SH	2LG, 2ME, 3ME, 4ME	
		30K7			18,100	18,100	13,400	13,925	12,850	13,225	2LG, 2ME, 3ME, 4ME, 5SH		
		40K7			18,700	19,000	13,850	14,400	13,275	13,650	2LG, 2ME, 3ME, 4ME, 5SH		
		50K7			18,800	19,000	13,900	14,475	13,350	13,725	2LG, 2ME, 3ME, 4ME, 5SH		
		57K7			18,800	19,000	13,900	14,475	13,350	13,725	2LG, 2ME, 3ME, 4ME, 5SH		
Q8	X8	27K7	128	130	16,700	14,475	12,350	12,850	11,850	12,200	5SH	2LG, 2ME, 3ME, 4ME	
		30K7			17,300	17,500	12,800	13,325	12,275	12,625	2LG, 2ME, 3ME, 4ME, 5SH		
		40K7			17,900	18,700	13,250	13,775	12,700	13,075	2LG, 2ME, 3ME, 4ME, 5SH		
		50K7			18,000	18,200	13,325	13,850	12,775	13,150	2LG, 2ME, 3ME, 4ME, 5SH		
		57K7			18,000	18,200	13,325	13,850	12,775	13,150	2LG, 2ME, 3ME, 4ME, 5SH		
Q7	X7	27K7	121	120	16,000	13,875	11,850	12,325	11,350	11,675	5SH	2LG, 2ME, 3ME, 4ME	
		30K7			16,500	16,800	12,200	12,700	11,725	12,050	2LG, 2ME, 3ME, 4ME, 5SH		
		40K7			17,100	17,900	12,650	13,175	12,150	12,475	2LG, 2ME, 3ME, 4ME, 5SH		
		50K7			17,200	17,500	12,725	13,250	12,200	12,550	2LG, 2ME, 3ME, 4ME, 5SH		
		57K7			17,200	17,500	12,725	13,250	12,200	12,550	2LG, 2ME, 3ME, 4ME, 5SH		
Q6	X6	27K7	115	120	15,400	13,450	11,400	11,850	10,925	11,250		2LG, 2ME, 3ME, 4ME, 5SH	
		30K7			15,900	16,300	11,775	12,250	11,300	11,600	2LG, 2ME, 3ME, 4ME, 5SH		
		40K7			16,500	17,400	12,200	12,700	11,725	12,050	2LG, 2ME, 3ME, 4ME, 5SH		
		50K7			16,600	17,000	12,275	12,775	11,775	12,125	2LG, 2ME, 3ME, 4ME, 5SH		
		57K7			16,600	17,000	12,275	12,775	11,775	12,125	2LG, 2ME, 3ME, 4ME, 5SH		
Q5	X5	27K7	105	110	14,275	12,400	10,575	11,000	10,125	10,425		2LG, 2ME, 3ME, 4ME, 5SH	
		30K7			14,750	14,975	10,925	11,350	10,475	10,775	2LG, 2ME, 3ME, 4ME, 5SH		
		40K7			15,300	16,000	11,325	11,775	10,875	11,175	2LG, 2ME, 3ME, 4ME, 5SH		
		50K7			15,400	15,600	11,400	11,850	10,925	11,250	2LG, 2ME, 3ME, 4ME, 5SH		
		57K7			15,400	15,600	11,400	11,850	10,925	11,250	2LG, 2ME, 3ME, 4ME, 5SH		
Q4	X4	27K7	95	100	13,025	11,625	9,650	10,025	9,250	9,500		2LG, 2ME, 3ME, 4ME, 5SH	
		30K7			13,475	14,075	9,975	10,375	9,575	9,825	2LG, 2ME, 3ME, 4ME, 5SH		
		40K7			13,975	15,000	10,350	10,750	9,925	10,200	2LG, 2ME, 3ME, 4ME, 5SH		
		50K7			14,025	14,700	10,375	10,800	9,950	10,250	2LG, 2ME, 3ME, 4ME, 5SH		
		57K7			14,025	14,700	10,375	10,800	9,950	10,250	2LG, 2ME, 3ME, 4ME, 5SH		
Q3	X3	27K7	85	90	11,875	10,550	8,800	9,150	8,425	8,675		2LG, 2ME, 3ME, 4ME, 5SH	
		30K7			12,275	12,750	9,075	9,450	8,725	8,950	2LG, 2ME, 3ME, 4ME, 5SH		
		40K7			12,725	13,600	9,425	9,800	9,025	9,300	2LG, 2ME, 3ME, 4ME, 5SH		
		50K7			12,775	13,300	9,450	9,825	9,075	9,325	2LG, 2ME, 3ME, 4ME, 5SH		
		57K7			12,775	13,300	9,450	9,825	9,075	9,325	2LG, 2ME, 3ME, 4ME, 5SH		
Q2	X2	27K7	76	80	10,725	9,575	7,925	8,250	7,625	7,825		2LG, 2ME, 3ME, 4ME, 5SH	
		30K7			11,075	11,575	8,200	8,525	7,875	8,075	2LG, 2ME, 3ME, 4ME, 5SH		
		40K7			11,475	12,350	8,500	8,825	8,150	8,375	2LG, 2ME, 3ME, 4ME, 5SH		
		50K7			11,525	12,100	8,525	8,875	8,175	8,425	2LG, 2ME, 3ME, 4ME, 5SH		
		57K7			11,525	12,100	8,525	8,875	8,175	8,425	2LG, 2ME, 3ME, 4ME, 5SH		
Q1	X1	27K7	67	70	9,525	8,750	7,050	7,325	6,775	6,950		2LG, 2ME, 3ME, 4ME, 5SH	
		30K7			9,850	10,575	7,300	7,575	7,000	7,200	2LG, 2ME, 3ME, 4ME, 5SH		
		40K7			10,200	11,275	7,550	7,850	7,250	7,450	2LG, 2ME, 3ME, 4ME, 5SH		
		50K7			10,250	11,000	7,575	7,900	7,275	7,475	2LG, 2ME, 3ME, 4ME, 5SH		
		57K7			10,250	11,000	7,575	7,900	7,275	7,475	2LG, 2ME, 3ME, 4ME, 5SH		

[†] Electrical and lumen data at 25°C (77°F). Actual wattage and lumen output may differ by +/-10% when operating between 120-277V or 347-480V +/-10%

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the street and area luminaire within the XSP Series on this page to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected lumen output, will be fully adjustable between the outputs, and will include a wattage label that indicates the wattage of the luminaire at the selected lumen output (Rounded to nearest 10 watts per ANSI C136.15-2015.). Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the XSP Series street and area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected, and will include a wattage label that indicates the wattage of the setting selected. When this option is selected, the luminaire output is not able to be adjusted in the field except if a dimming control (by others) is used in the 7-Pin receptacle.

Q & X Option Power & Lumen Data – 24L

Q Option Setting	X Option Setting	CCT/ CRI	System Watts [†]		Label Wattage	Lumen Values [†]						Optics Qualified on DLC QPL	
			120-480V			2LG/2ME/ 3ME/4ME	5SH	2LG w/ BLS	2ME w/ BLS	3ME w/ BLS	4ME w/BLS	Standard	Premium
Q9	N/A (Full Power)	27K7	184	180	22,300	17,900	16,500	17,200	15,800	16,300	5SH	2LG, 2ME, 3ME, 4ME	
		30K7			23,000	21,700	17,000	17,700	16,300	16,800	2LG, 2ME, 3ME, 4ME, 5SH		
		40K7			23,600	22,800	17,500	18,200	16,800	17,200	2LG, 2ME, 3ME, 4ME, 5SH		
		50K7			23,800	22,800	17,600	18,300	16,900	17,400	2LG, 2ME, 3ME, 4ME, 5SH		
		57K7			23,800	22,800	17,600	18,300	16,900	17,400	2LG, 2ME, 3ME, 4ME, 5SH		
Q8	X8	27K7	174	170	21,600	17,400	16,000	16,600	15,300	15,800	5SH	2LG, 2ME, 3ME, 4ME	
		30K7			22,300	21,000	16,500	17,200	15,800	16,300	2LG, 2ME, 3ME, 4ME, 5SH		
		40K7			22,900	22,400	16,900	17,600	16,300	16,700	2LG, 2ME, 3ME, 4ME, 5SH		
		50K7			23,000	21,900	17,000	17,700	16,300	16,800	2LG, 2ME, 3ME, 4ME, 5SH		
		57K7			23,000	21,900	17,000	17,700	16,300	16,800	2LG, 2ME, 3ME, 4ME, 5SH		
Q7	X7	27K7	164	160	20,700	16,700	15,300	15,900	14,700	15,100	5SH	2LG, 2ME, 3ME, 4ME	
		30K7			21,300	20,100	15,800	16,400	15,100	15,500	2LG, 2ME, 3ME, 4ME, 5SH		
		40K7			21,900	21,500	16,200	16,900	15,500	16,000	2LG, 2ME, 3ME, 4ME, 5SH		
		50K7			22,100	21,000	16,400	17,000	15,700	16,100	2LG, 2ME, 3ME, 4ME, 5SH		
		57K7			22,100	21,000	16,400	17,000	15,700	16,100	2LG, 2ME, 3ME, 4ME, 5SH		
Q6	X6	27K7	156	160	20,100	16,200	14,875	15,500	14,275	14,675	5SH	2LG, 2ME, 3ME, 4ME	
		30K7			20,700	19,500	15,300	15,900	14,700	15,100	2LG, 2ME, 3ME, 4ME, 5SH		
		40K7			21,300	20,800	15,800	16,400	15,100	15,500	2LG, 2ME, 3ME, 4ME, 5SH		
		50K7			21,400	20,400	15,800	16,500	15,200	15,600	2LG, 2ME, 3ME, 4ME, 5SH		
		57K7			21,400	20,400	15,800	16,500	15,200	15,600	2LG, 2ME, 3ME, 4ME, 5SH		
Q5	X5	27K7	143	140	18,500	14,875	13,700	14,250	13,125	13,500	5SH	2LG, 2ME, 3ME, 4ME	
		30K7			19,000	18,000	14,050	14,625	13,500	13,875	2LG, 2ME, 3ME, 4ME, 5SH		
		40K7			19,600	19,200	14,500	15,100	13,925	14,300	2LG, 2ME, 3ME, 4ME, 5SH		
		50K7			19,700	18,700	14,575	15,200	13,975	14,375	2LG, 2ME, 3ME, 4ME, 5SH		
		57K7			19,700	18,700	14,575	15,200	13,975	14,375	2LG, 2ME, 3ME, 4ME, 5SH		
Q4	X4	27K7	128	130	17,400	13,975	12,875	13,400	12,350	12,700	5SH	2LG, 2ME, 3ME, 4ME	
		30K7			17,800	16,900	13,175	13,700	12,650	13,000	2LG, 2ME, 3ME, 4ME, 5SH		
		40K7			18,400	18,000	13,625	14,175	13,075	13,425	2LG, 2ME, 3ME, 4ME, 5SH		
		50K7			18,500	17,600	13,700	14,250	13,125	13,500	2LG, 2ME, 3ME, 4ME, 5SH		
		57K7			18,500	17,600	13,700	14,250	13,125	13,500	2LG, 2ME, 3ME, 4ME, 5SH		
Q3	X3	27K7	116	120	15,800	12,650	11,700	12,175	11,225	11,525	5SH	2LG, 2ME, 3ME, 4ME	
		30K7			16,200	15,300	12,000	12,475	11,500	11,825	2LG, 2ME, 3ME, 4ME, 5SH		
		40K7			16,700	16,300	12,350	12,850	11,850	12,200	2LG, 2ME, 3ME, 4ME, 5SH		
		50K7			16,800	15,900	12,425	12,925	11,925	12,275	2LG, 2ME, 3ME, 4ME, 5SH		
		57K7			16,800	15,900	12,425	12,925	11,925	12,275	2LG, 2ME, 3ME, 4ME, 5SH		
Q2	X2	27K7	103	100	14,325	11,500	10,600	11,025	10,175	10,450	5SH	2LG, 2ME, 3ME, 4ME	
		30K7			14,725	13,900	10,900	11,350	10,450	10,750	2LG, 2ME, 3ME, 4ME, 5SH		
		40K7			15,100	14,825	11,175	11,625	10,725	11,025	2LG, 2ME, 3ME, 4ME, 5SH		
		50K7			15,300	14,500	11,325	11,775	10,875	11,175	2LG, 2ME, 3ME, 4ME, 5SH		
		57K7			15,300	14,500	11,325	11,775	10,875	11,175	2LG, 2ME, 3ME, 4ME, 5SH		
Q1	X1	27K7	91	90	13,075	10,500	9,675	10,075	9,275	9,550		2LG, 2ME, 3ME, 4ME, 5SH	
		30K7			13,450	12,675	9,950	10,350	9,550	9,825	2LG, 2ME, 3ME, 4ME, 5SH		
		40K7			13,825	13,525	10,225	10,650	9,825	10,100	2LG, 2ME, 3ME, 4ME, 5SH		
		50K7			13,925	13,200	10,300	10,725	9,875	10,175	2LG, 2ME, 3ME, 4ME, 5SH		
		57K7			13,925	13,200	10,300	10,725	9,875	10,175	2LG, 2ME, 3ME, 4ME, 5SH		

[†] Electrical and lumen data at 25°C (77°F). Actual wattage and lumen output may differ by +/-10% when operating between 120-277V or 347-480V +/-10%

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IMPORTANT SAFEGUARDS

INSTALLATION INSTRUCTIONS INSTRUCTIONS D'INSTALLATION

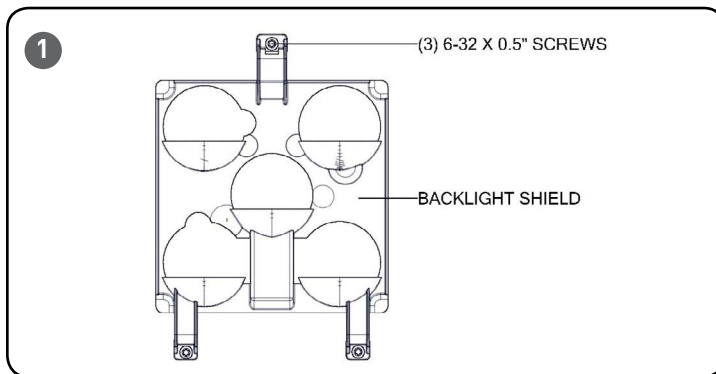
When using electrical equipment, basic safety precautions should always be followed including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. To reduce the risk of electrical shock, turn off power supply before installation or servicing.
2. This accessory is intended to be used with XSP1 or XSP2 Series LED Streetlight.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

TO INSTALL:



XA-SP1BLS ACCESSORY KIT CONTENTS (FIGURE 1)

1. (1) Back Light Shield
2. (3) 6-32" x 0.5" Screws

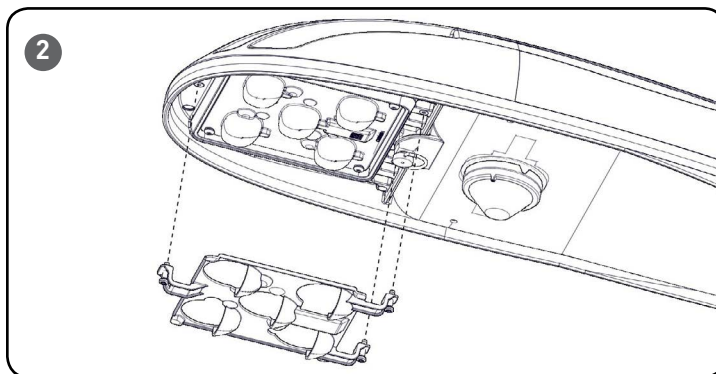
XA-SP1BLS MOUNTING

STEP 1:

Orientate the Back Light Shield so the shields are aiming towards the street side.

STEP 2:

Align the shields over the Optical Lens and secure the Back Light Shield Using the provided 6-32" x 0.5" Screws as shown in **Figure 2**.



XA-SP2BLS ACCESSORY KIT CONTENTS (FIGURE 1)

1. (2) Back Light Shield
2. (6) 6-32" x 0.5" Screws

XA-SP2BLS MOUNTING

NOTE: This is the same installation as the XA-SP1BLS except there will be (2) Back Light Shields provided per luminaire.

STEP 1:

Orientate the Back Light Shields so the shields are aiming towards the street side.

STEP 2:

Align the shields over the Optical Lens and secure the Back Light Shields Using the provided 6-32" x 0.5" screws as shown in **Figure 3**.

