

SPL SERIES

SpectraLoc™ Blue Spectrum Suppression High Bay



CAT.#		APPROVALS
JOB	TYPE	

SPECIFICATIONS

Applications -

- Milk:** High energy light below 500 nm has been demonstrated to hasten the degradation of critical proteins and vitamins, especially riboflavin (B2), resulting in undesirable flavors often described as tasting like cardboard or plastic.
- Beer:** Short wavelength light causes the production of thiol compounds known as mercaptan or methanethiol, a foul-smelling chemical that can make beer smell and taste "skunky."
- Pharmaceuticals and semiconductors:** Light below 500 nm can lead to a variety of photo-chemical reactions that can adversely impact production processes.

Features -

- Designed to virtually eliminate light wavelengths below 500 nm that can degrade ingredients in a variety of food and pharmaceutical production processes
- Diffuse wrap lens available
- Fixed output or 0-10V dimming drivers
- ControlScope® compatible
- Easy access to LED boards and drivers
- CSA listed and suitable for damp locations
- Available with factory installed On/Off or dimming occupancy sensors

Construction -

- Suitable for use with most wired or wireless lighting control systems
- Quick and simple aircraft cable hanging system or pendant mount bracket available

Shielding/Mounting -

- TIR-LAL optics available for aisle distribution
- Acrylic lens available for wide distribution to minimize glare
- Mounting options include 2 point aircraft cable, 4 point hook and cable or bracket for pipe/pendant hanger
- Recommended mounting heights of 12' to 30' for optimum performance

SPECTRA
LOC



Certifications -

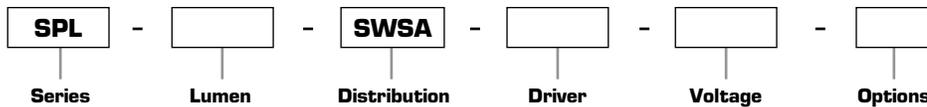
- CSA listed and suitable for damp locations
- All luminaires are built to UL 1598 and 2108 standards, and bear appropriate CSA labels
- Damp location labeling is standard
- Emergency equipped fixtures labeled UL924
- Adheres to LM79, LM80 and TM21 industry standards

Warranty -

- Five year-warranty standard. (Terms and Conditions Apply)

ORDERING INFORMATION

ORDERING EXAMPLE: SPL-XL-SWSA-ED-U



SERIES

SPL	SpectraLoc™ LED High Bay
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LUMEN OUTPUT

XL	Xtra High Lumen
HL	High Lumen

DISTRIBUTION

SWSA	Short Wave Suppression Aisle Optics
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DRIVER

E	Fixed Output
ED	0-10V Dimming

VOLTAGE

U	120V/277V
347	347V
480	480V

OPTIONS

C6TL15_	6' Cord and Twist-Lock™ Plug 15A (Add Voltage: 1=120, 2=277)
C6TL20_	6' Cord and Twist-Lock™ Plug 20A (Add Voltage 1=120, 2=277)
C6P151_	6' Cord and Straight Blade Plug 15A (Add Voltage: 1=120V, 2=277V)
F3CX	3-Conductor Cord (add length for X: 5=5', 10=10', 15=15')
F4CX	4-Conductor Cord (add length for X: 5= 5', 10=10', 15=15')
ELL14	Emergency Battery Pack Installed, 1400 Lumens ^{2,3}
SFA	Smooth Frosted Acrylic Wrap Lens
GLR	Fast Blow Fuse
PM	Pendant Mounting Bracket ¾" (pendant not included)

OS1360	Factory Installed Occupancy/Daylight, Sensor; 1-relay, 360° lens 120/277
OS2360	Factory Installed Occupancy/Daylight, Sensor; 2-relay, 360° lens 120/277
OS1A	Factory Installed Occupancy/Daylight Sensor; 1-relay, Aisle lens, 120/277
OS2A	Factory Installed Occupancy/Daylight Sensor; 2-relay, Aisle lens, 120/277
ODS1360	Factory Installed Dimming Occupancy/Daylight Sensor; 1-relay, 360° lens 120/277
ODS1A	Factory Installed Dimming Occupancy/Daylight Sensor; 1-relay, Aisle lens 120/277
ZRE	ControlScope® Compatible ⁴

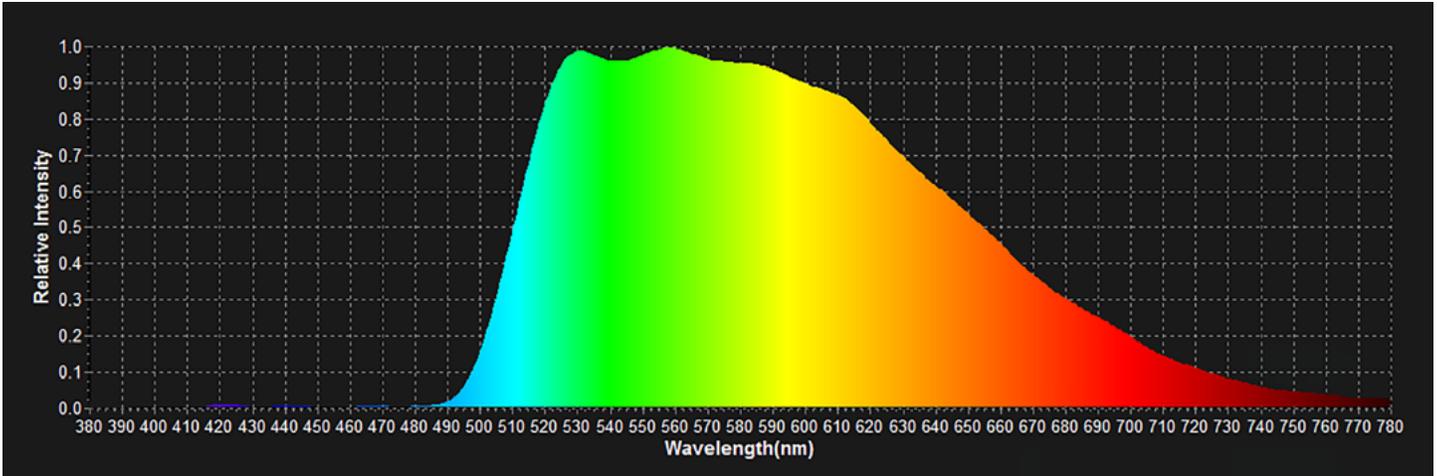
PRODUCT AVAILABILITY				
Output	Nominal Lumens	Watts	LPW	Ambient Range
XL	19,012	175.0	108.0	-25°C - 40°C
HL	12,498	112.7	110.9	-25°C - 40°C

ACCESSORIES (ORDER SEPARATELY)	
LWSQM5	Aircraft Cable 5' (Pair)
LWSQM10	Aircraft Cable 10' (Pair)
C6TL15-120	Cord & Plug Kit, 6 ft, Twist Lock NEMA L5-15P, 15 amp, 120V, White
C6TL15-277	Cord & Plug Kit, 6 ft, Twist Lock NEMA L7-15P, 15 amp, 277V, White
C6P15-120	Cord & Plug Kit, 6 ft, Straight Blade NEMA 5-15P, 15 amp, 120V, White
LWS-WG	Wire Guard, white, field installed

NOTES:

- Not available in 347V or 480V
 - For compatibility with Dual-Lite LiteGear® inverters, contact Hubbell Representative
 - Only available with 0-10V Dimming (ED) Driver Options
 - Registered trademark of Daintree Networks, used by permission
- For Questions about configuration options, contact Hubbell Representative

DISTRIBUTION



- High Pressure Sodium, Metal Halide & Fluorescent produce UV and other wavelengths of light below 500 nm.
- Wavelengths of light below 500 nm are absorbed by the food and other sensitive products causing adverse chemical reactions leading to deterioration of ingredients.
- Some producers have attempted to mitigate through the use of colored packaging (yellow and/or UV coated).
- Owners/operators of milk/dairy farms and other food processing facilities have had to compromise their sustainability programs to reduce their energy consumption associated with electrical lighting and related HVAC costs.

PHOTOMETRIC REPORT: SPL-XL-SWSA-ED-U | 17.00199

LUMINAIRE DATA

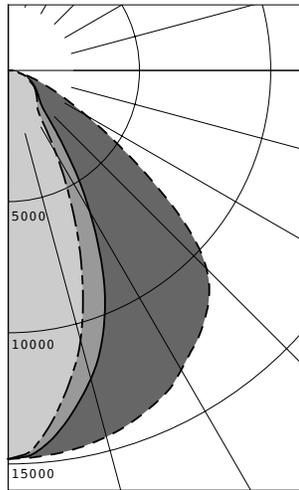
SPL-XL-SWSA-ED-U

16" x 24" LED high bay/low bay with short wavelength suppressing polycarbonate aisle optics

Lamp	LED
Lumens	19,012
Watts	175.1
Efficacy	108.2
Spacing Criterion (0-DEG)	1.32
Spacing Criterion (DEG-90)	0.69

ZONE	LUMENS	% FIXT.
0-30	8,990	47.3
0-40	12,523	65.9
0-60	16,998	89.4
0-90	18,963	99.7
0-180	19,012	100

POLAR GRAPH



LEGEND

0-deg	-----
45-deg	=====
90-deg	=====

PHOTOMETRIC REPORT: SPL-HL-SWSA-ED-U | 17.01155

LUMINAIRE DATA

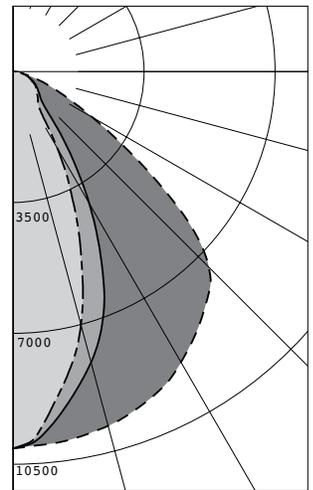
SPL-HL-SWSA-ED-U

16" x 24" LED suspended high bay/low bay with SWS optics

Lamp	LED
Lumens	12,498
Watts	112.7
Efficacy	110.9
Spacing Criterion (0-DEG)	1.32
Spacing Criterion (DEG-90)	0.67

ZONE	LUMENS	% FIXT.
0-30	5,977	47.8
0-40	8,310	66.5
0-60	11,227	89.8
0-90	12,466	99.7
0-180	12,498	100

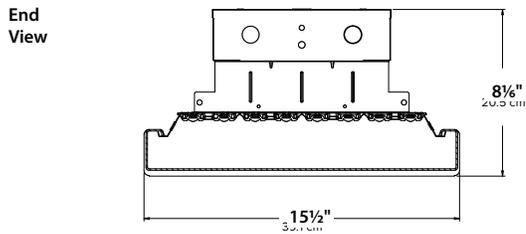
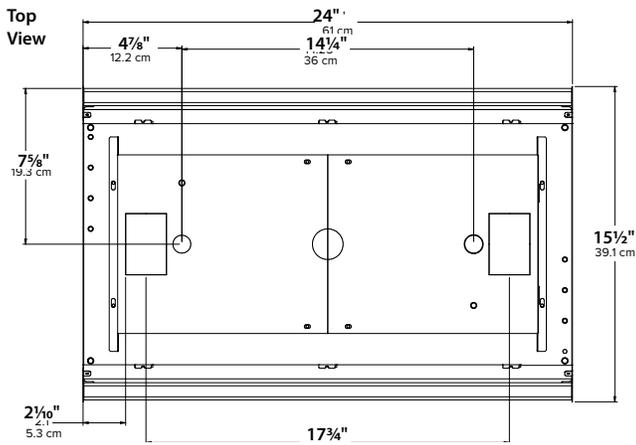
POLAR GRAPH



LEGEND

0-deg	-----
45-deg	=====
90-deg	=====

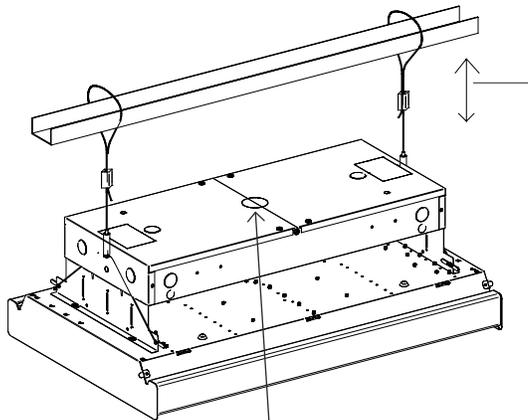
DIMENSIONS



NOTE: All dimensions are in inches; dimensions and specifications are subject to change without notice. Please consult factory or check sample for verification.

AIRCRAFT CABLE MOUNTING

Option LWSQMx (x equals length of aircraft cable)



PM Option: Knockout for 3/4" Pendant Mounting – Pendant not included

22" (Inches) Minimum mounting distance from top of ballast box to ceiling.