

Project

Type



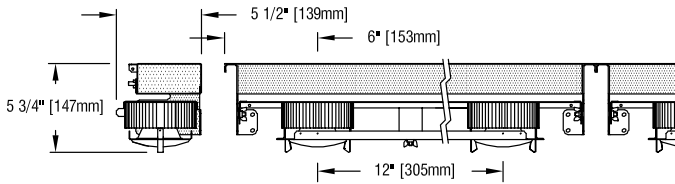
Date

Product Code

Designer

SPREDLITE® HI PV/12

cove mounted LED wall grazing luminaire



FEATURES

- **Spredlite HI PV/12 is a luminaire designed to provide uniform grazing illumination on vertical surfaces as high as 35'** using integral LED modules and spread lenses mounted at 12" (305 mm) centers.
- **Luminaire is powered by Cree chip-on-board LED** modules of one of a range of light outputs. See tables below for luminaire wattages and efficacies.
- Luminaire operates on either 120-volt or 277-volt service.
- **Luminaire is designed for surface mounting in a ventilated architectural light cove (see next page for dimension detail).** Modular segments are installed end-to-end as needed to form a continuous run. Each segment provides lockable 0° to 10° angular adjustment allowing precise illumination of the vertical surface below.
- **Standard housing finish is matte black.** Custom color paint finish is available as an option.
- **For more information, [click here](#).**



APPLICATIONS

Fixture provides excellent illumination of specular wall surfaces with no distracting reflections.

Fixture is listed for Cove Mounting and Damp Location. Fixture is approved for 90°C supply wiring. Electrical supply is provided from adjacent accessible outlet boxes (supplied by others).

INSTALLATION

Dimensions: the segment lengths listed under "Product Code" are precise; segments can be bolted end-to-end to ensure uniform lamp spacing.

Mounting: secure segments to wood or metal framing members only.

Ends and Corners: leave at least 1" between the end of a cove and the nearest segment, and at least 2" between segments at corners.

Ventilation: the cove must be vented to ensure proper Spredlite performance and maximize driver life. See details below.

Warranty Detail

Our 5-year warranty does not include the provision of scaffolding, man-lifts, 'cherry pickers' or other extraordinary means of access to a product requiring maintenance.

In the boxes below, record the number of segments you will need for your Spredlite order. The worksheet on page 3 will help you decide.

PRODUCT CODE

The product code for a Spredlite segment includes the Basic Unit and a Segment Length. The product code for a Spredlite run includes a list of the segments required; see example below.

Basic Unit SPR-CLPH2-PV12

Driver

DMV: drivers dimmable to 1% by a 0-10V dimmer - DMV
 DVOELG: eldoLED 0-10V (Logarithmic) drivers dimmable to 0.1% with a 0-10V dimmer - DVOELG
 DVOELN: eldoLED 0-10V (Linear) drivers dimmable to 0.1% with a 0-10V dimmer - DVOELN
 DAO-EL: eldoLED drivers dimmable to 0.1%, compatible with DALI control system - DAO-EL

Light Source Output

2300 lumens / CRI 92 2700K & 3000K only - L23H
 2600 lumens / CRI 80+ - L26S

Light Color

2700K - 27K
 3000K - 30K
 3500K not available with CRI 92 modules - 35K
 4000K not available with CRI 92 modules - 40K
 5000K not available with CRI 92 modules - 50K

Segment Length

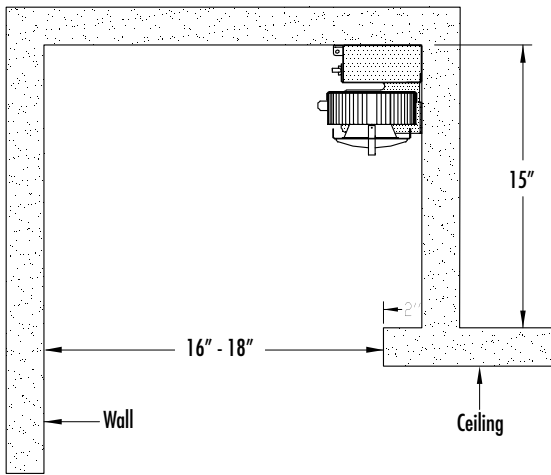
two-module segment, 24" long -24
 three-module segment, 36" long -36
 four-module segment, 48" long -48

Custom painted segment housings are available on special order. Add -CCH



Leading Testing Laboratories Report No. UT18070002-04a (prorated).
Original test report furnished upon request.

See table below for cove dimension and ventilation requirements.



COVE DIMENSION AND VENTILATION REQUIREMENTS

Ceiling Height	Cove Opening	Cove Height	Recommended Light Source Output
30'	16"	15"	all lumen levels
35'	18"	15"	all lumen levels

Ventilation: Provide 3 square inches of void per linear foot of cove. To avoid overheating the LED modules and/or drivers, air temperature inside cove should not exceed 122F.

LUMINAIRE LIGHT OUTPUT AND EFFICACY (one LED module)

LED Module Type	Luminaire Light Output	Luminaire Efficacy (lms/watt)	System Wattage
2300 Lumens 90+ CRI (L23H)	1662*	67*	25
2600 Lumens 80+ CRI (L26S)	1910	77	25

*estimated values

DRIVER INFORMATION (one LED module)

UL Class 2, dry and damp location

Voltage	120	277
Input Watts (L23H/L26S Lumens)	25/25	25/25
Input Current (L23H/L26S Lumens)	.21/.21	.09/.09
Output Current (mA)	600	600
Min. Power Factor	>0.95	>0.95
Operating Temperature Range (F)	-4 to 113	-4 to 113

LIGHT OUTPUT MULTIPLIERS (use L21S as base)

LED Module Type	Light Output Multiplier
2300 Lumens 90+ CRI (L23H)	0.87*
2600 Lumens 80+ CRI (L26S)	1

*estimated values

WALLWASH INFORMATION (Vertical Footcandles)

Distance Below Finished Ceiling (ft)	35' High Ceiling	30' High Ceiling
	2600 lumens per LED	2300 lumens per LED
1	118	114
2	107	105
3	109	97
4	94	81
5	81	69
6	73	62
7	65	55
8	60	50
9	54	45
10	49	40
11	44	36
12	40	32
13	36	29
14	32	26
15	29	23
16	26	21
17	24	19
18	21	17
19	19	15
20	18	14
21	16	13
22	15	11
23	13	10
24	12	10
25	11	8
26	10	8
27	9	8
28	9	8
29	8	8
30	8	5
31	7	
32	7	
33	7	
34	7	
35	4	

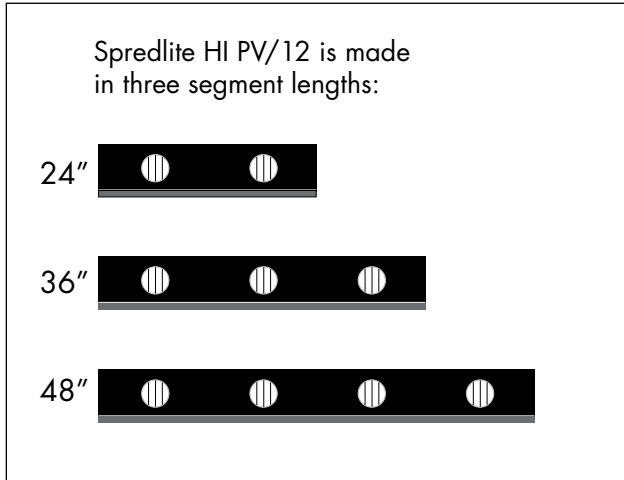
All vertical footcandles are initial values at the center of a 15' continuous length of Spredlite HI PV/12 with specific light output option shown in the table. Architectural light coves were modeled for each ceiling height using dimensions suggested below. Calculations assume 80% reflectance for the architectural light cove surface, 50% and 20% reflectance for lighted wall and floor.

COLOR TEMPERATURE MULTIPLIER (use 3000K as the base)

2700K	0.96*
3000K	1
3500K	1.03*
4000K	1.06*
5000K	1.07*

*estimated values

This sheet will help you pick which segments in which quantities will add up to a Spredlite run for the architectural cove or trough on your project.



SUGGESTED RUN LAYOUTS

Length of Run	Spredlite Segments		
	24"	36"	48"
2' 0"	1		
3' 0"		1	
4' 0"			1
5' 0"	1	1	
6' 0"		2	
7' 0"		1	1
8' 0"			2
9' 0"		3	
10' 0"	1		2
11' 0"		1	2
12' 0"			3
13' 0"		3	1
14' 0"		2	2
15' 0"		1	3
16' 0"			4
17' 0"	1	1	3
18' 0"		2	3
19' 0"		1	4
20' 0"			5
21' 0"	1	1	4
22' 0"		2	4
23' 0"		1	5
24' 0"			6
25' 0"	1	1	5
26' 0"		2	5
27' 0"		1	6
28' 0"			7
29' 0"	1	1	6
30' 0"		2	6
31' 0"		1	7
32' 0"			8

INSTALLATION GUIDELINES

Remember:

- the segment lengths listed are precise "out-to-out" dimensions
- segments can be bolted together to ensure uniform lamp spacing
- leave at least 1" between the end of the cove and the end of the nearest segment
- leave at least 2" between segments at corners