

Project

Type



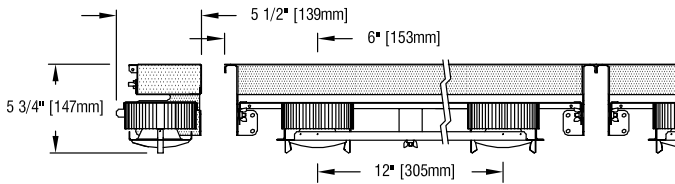
Date

Product Code

Designer

# SPREDLITE® CLP PV/12

cove mounted LED wall grazing luminaire



## FEATURES

- **Spredlite CLP PV/12 is a luminaire designed to provide uniform grazing illumination** on vertical surfaces between 12' and 25' high 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\*CLP2-PV12

### Driver

DMV: drivers dimmable to 1% by a 0-10V dimmer ..... - DMV  
 ECO-LU: Lutron H-series drivers dimmable to 1%, compatible with Lutron ECOSystem ..... - ECO-LU  
 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  
 DA0-EL: eldoLED drivers dimmable to 0.1%, compatible with DALI control system ..... - DA0-EL

### Light Source Output

700 lumens / CRI 92 ..... 2700K & 3000K only ..... - L07H  
 1100 lumens..... 2700K & 3000K only ..... - L11H  
 1500 lumens..... 2700K & 3000K only ..... - L15H  
 1800 lumens..... 2700K & 3000K only ..... - L18H  
 800 lumens / CRI 80+ ..... - L08S  
 1300 lumens ..... - L13S  
 1700 lumens ..... - L17S  
 2100 lumens..... - L21S

### 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



See table below for cove dimension and ventilation requirements.

**COVE DIMENSION AND VENTILATION REQUIREMENTS**

Ceiling Height	Cove Opening	Cove Height	Recommended Light Source Output
12'	9"	15"	L11H, L13S or lower
15'	10"	15"	L15H, L17S or lower
20'	12"	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.

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

## WALLWASH INFORMATION

(Vertical Footcandles)

Distance Below Finished Ceiling (ft)	25' High Ceiling	20' High Ceiling	15' High Ceiling	12' High Ceiling
	2100 lumens per LED	1700 lumens per LED	1300 lumens per LED	1000 lumens per LED
1	103	88	85	76
2	100	90	71	59
3	83	69	54	46
4	69	57	44	37
5	60	49	37	31
6	53	43	31	26
7	47	37	27	22
8	41	32	23	19
9	36	28	20	16
10	32	25	17	14
11	28	22	15	13
12	25	19	13	10
13	22	17	12	
14	20	15	11	
15	18	14	8	
16	16	12		
17	15	11		
18	13	10		
19	12	10		
20	11	7		
21	10			
22	9			
23	9			
24	9			
25	6			

All vertical footcandles are initial values at the center of a 15' continuous length of Spredlite CLP PV/12 with specific light output option shown in the table. Architectural light covers 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.

## DRIVER INFORMATION (one LED module)

UL Class 2, dry and damp location

Voltage	120	277
Input Watts (L07H/L11H/L15H/L18H/L08S/L13S/L17S/L21S)	6/10/14/19/6/10/14/19	6/10/14/19/6/10/14/19
Input Current (A) (L07H/L11H/L15H/L18H/L08S/L13S/L17S/L21S)	.05/08/12/16/05/08/12/16	.02/04/05/07/02/04/05/07
Output Current (mA)	150-450	150-450
Min. Power Factor	>0.95	>0.95
Operating Temperature Range (F)	-4 to 113	-4 to 113

## COLOR TEMPERATURE

MULTIPLIER (use 3000K as the base)

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

\*estimated values

## LUMINAIRE LIGHT OUTPUT AND EFFICACY (one LED module)

LED Module Type	Luminaire Light Output	Luminaire Efficacy (lms/watt)	System Wattage
700 Lumens 90+ CRI (L07H)	469*	78*	6
1100 Lumens 90+ CRI (L11H)	745*	74*	10
1500 Lumens 90+ CRI (L15H)	993*	71*	14
1800 Lumens 90+ CRI (L18H)	1200*	63*	19
800 Lumens 80 CRI (L08S)	552*	92*	6
1300 Lumens 80 CRI (L13S)	855*	85*	10
1700 Lumens 80 CRI (L17S)	1131*	81*	14
2100 Lumens 80 CRI (L21S)	1379	73	19

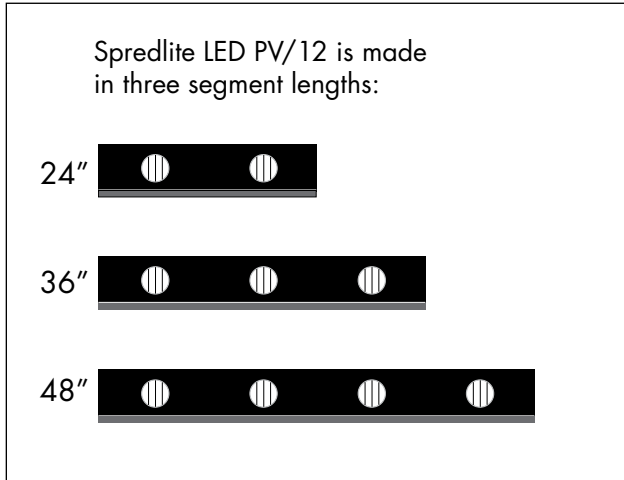
\*estimated values

## LIGHT OUTPUT MULTIPLIERS (use L21S as base)

LED Module Type	Light Output Multiplier
700 Lumens 90+ CRI (L07H)	0.34*
1100 Lumens 90+ CRI (L11H)	0.54*
1500 Lumens 90+ CRI (L15H)	0.72*
1800 Lumens 90+ CRI (L18H)	0.87*
800 Lumens 80 CRI (L08S)	0.4*
1300 Lumens 80 CRI (L13S)	0.62*
1700 Lumens 80 CRI (L17S)	0.82*
2100 Lumens 80 CRI (L21S)	1

\*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