

Project

Date

Product Code

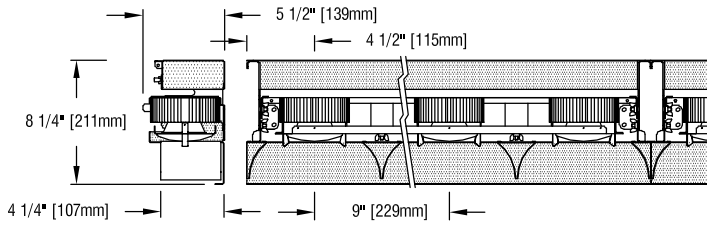
Type

Designer



# SPREDLITE® HI DL/9

cove mounted baffled LED wall grazing luminaire



- **Spredlite HI DL/9 is a luminaire designed to provide uniform grazing illumination** on vertical surfaces as high as 40' using integral LED modules and spread lenses, as well as interposed baffles, mounted at 9" (229 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.
- **Parabolic baffles** located between the LED modules provide a 30° shielding angle down the length of the Spredlite and minimize lamp brightness. Baffles are available in clear, champagne gold or black Alzak®.



Standard finishes are a matte black housing and a matte white back panel. Housing available on special order in custom color paint finish. Reflective back panel must remain white. 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-DL9

### 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, 18" long ..... ..... -18  
 three-module segment, 27" long ..... ..... -27  
 four-module segment, 36" long ..... ..... -36  
 five-module segment, 45" long ..... ..... -45

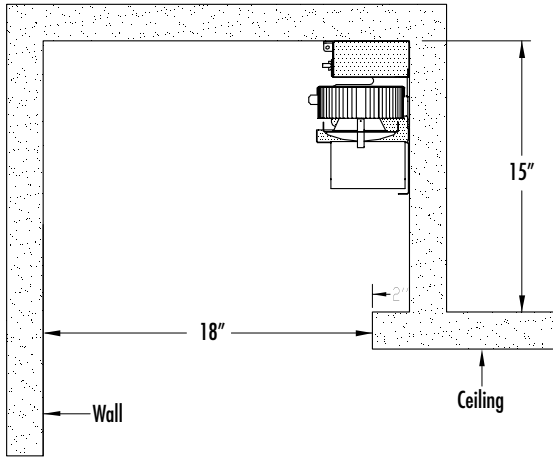
Custom painted segment housings are available on special order. Add -CCH

### Baffle color

clear (natural aluminum) ..... -C  
 gold ..... -G  
 black ..... -B



See table below for cove dimension and ventilation requirements.



### COVE DIMENSION AND VENTILATION REQUIREMENTS

Ceiling Height	Cove Opening	Cove Height	Recommended Light Source Output
35'	18"	15"	all lumen levels
40'	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)	1558*	63*	25
2600 Lumens 80+ CRI (L26S)	1791	72	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

Leading Testing Laboratories Report No. UT18070002-03a (prorated). Original test report furnished upon request.

### WALLWASH INFORMATION (Vertical Footcandles)

Distance Below Finished Ceiling (ft)	40' High Ceiling	35' High Ceiling
	2600 lumens per LED	2300 lumens per LED
1	143	124
2	134	117
3	145	126
4	124	108
5	107	94
6	96	84
7	87	76
8	78	68
9	71	62
10	63	55
11	57	50
12	51	45
13	46	41
14	41	36
15	37	33
16	33	29
17	30	26
18	27	24
19	24	22
20	22	20
21	20	18
22	18	16
23	16	15
24	15	13
25	14	12
26	13	11
27	11	10
28	11	10
29	10	9
30	9	8
31	8	8
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35	6	5
36	6	
37	6	
38	6	
39	6	
40	4	

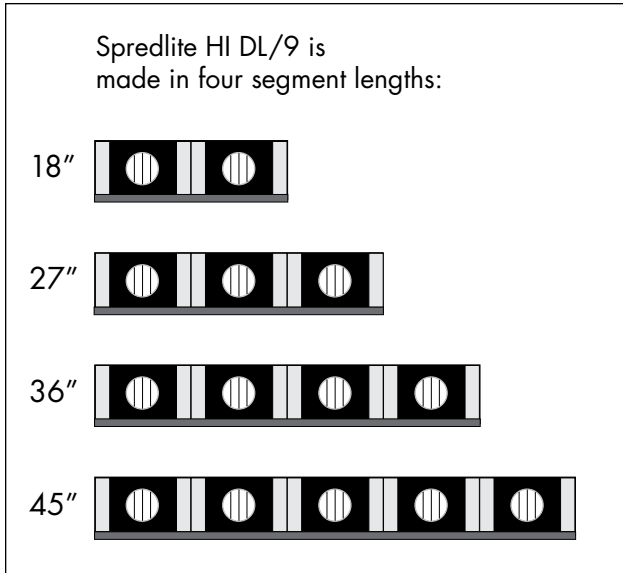
All vertical footcandles are initial values at the center of a 15' continuous length of Spredlite HI DL/9 with specific light output option shown in the table. Architectural light coves were modeled for each ceiling height using dimensions suggested below. Calculations assume 80% reflectance for the 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			
	18"	27"	36"	45"
1' 6"	1			
2' 3"		1		
3' 0"			1	
3' 9"				1
4' 6"		2		
5' 3"		1	1	
6' 0"			2	
6' 9"			1	1
7' 6"				2
8' 3"		1	2	
9' 0"			3	
9' 9"			2	1
10' 6"			1	2
11' 3"				3
12' 0"			4	
12' 9"			3	1
13' 6"			2	2
14' 3"			1	3
15' 0"				4
15' 9"			4	1
16' 6"			3	2
17' 3"			2	3
18' 0"			1	4
18' 9"				5
19' 6"			4	2
20' 3"			3	3
21' 0"			2	4
21' 9"			1	5
22' 6"				6
23' 3"			4	3
24' 0"			3	4

## 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