

# MARK ARCHITECTURAL LIGHTING™



## The **SPR LED** Series DC2DC Architectural

SPR LED combines the environmental and cost-saving benefits of solid-state lighting with the popular SP design. The result is a recessed linear wall product that provides an excellent balance of efficiency and performance.

SPR LED, which features a very compact profile, offers highly uniform illumination along wall surfaces. Housing and vertical fascias are extruded aluminum, and the extruded clear frosted acrylic lens snaps into the housing. SPR LED is available in 8-, 7-, 6-, 5-, 4-, 3-, and 2-foot sections. Corners are available; please consult factory.

Type:

Project:

Catalog Number:

**DO NOT TYPE HERE. Autopopulated field.**

### Specification Features (continued on page 2)

#### Housing

Housing and vertical fascias are extruded aluminum. Internal wiring trays are 20-gauge, cold-rolled steel.

#### Housing Finish

Natural Aluminium; Fascia is high reflectance matte white.

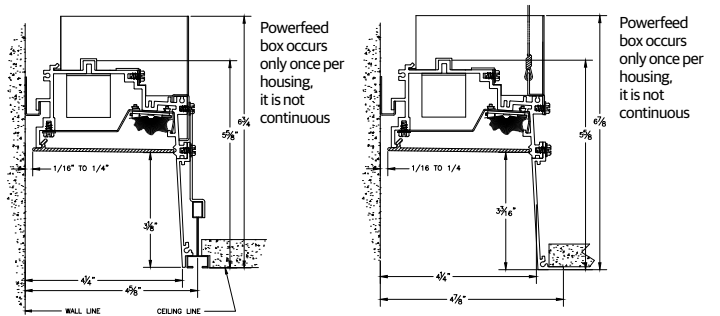
#### Shielding

Extruded clear frost acrylic lens snaps into housing.

#### Mounting

Recessed perimeter wall wash in 8', 7', 6', 5', 4', 3', and 2' sections.

### Technical Drawings



#### Fixture Performance - SPRLED\*

Nominal Lumens	400LMF	600LMF	800LMF
Delivered Lumens/FT	367	632	856
DC Input Watts/FT**	3.2	5.4	7.4
LPW	115	117	116
# Device Addresses per 4FT***	1	1	1
# Device Addresses per 8FT***	1	1	2

\*Based on SPRLED RLP 80CRI 35K

\*\*Standard photometry based on AC wattage, DC wattage = AC wattage \* .93

\*\*\*Up to 50 watts on 1 device address. Consult factory for other section lengths.



### Ordering

Example: SPRLED LOP 44FT 6.5 RLP FL 80CRI 30K 400LMF DARK 57VDC DCHUB

Series	Linear Plan	Total Run Length <sup>1</sup>	Fixture Style	Ceiling Trim	Direct Light Source CRI
<b>SPRLED</b> Fully Recessed SPL LED	<b>LOP</b> Linear Optimized Plan	<b>_FT_</b> Provide wall-to-wall dimension to nearest 1/4" (Example 24' - 6 1/2" = 24FT6.5)	<b>RLP</b> Regressed Lens	<b>G9</b> 9/16" wide inverted tee <b>FL</b> 5/8" flange (sheetrock)	<b>80CRI</b> 80CRI <b>90CRI</b> 90CRI

Direct LED Color Temperature	Direct LED Light Output	Minimum Dimming Level	Voltage	Control Input	Option Group
<b>30K</b> 3000K	<b>400LMF</b> 400 lumens per foot	<b>DARK</b> Constant current, dimming to 0.1%	<b>57VDC</b> 57 Volt DC	<b>DCHUB</b> Required Power and Control Hub (Order separately) <i>Note: DCHUB purchase required.</i>	<b>CP</b> Chicago plenum
<b>35K</b> 3500K	<b>450LMF</b> 450 lumens per foot				
<b>40K</b> 4000K	<b>600LMF</b> 600 lumens per foot <b>800LMF</b> 800 lumens per foot				

#### Notes

1. Provide field dimensions for patterns, clearly indicating inside or outside corners. Patterns are made to size and are not field adjustable. Upon request factory will prepare installations drawing for approval.

**Specification Features (continued)**

**LED Life**

Rated 50,000 hours (L80) at 25° C ambient temperature.

**Color Consistency**

The Acuity Brands circuit boards for the linear LED components use a precise binning algorithm which creates a consistent color temperature from board to board. Color variation is no greater than a 2.5 Step MacAdam (2.5SDCM) along the black body locus from board to board.

**Government Procurement**

BAA - Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA - Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

**Warranty**

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application.

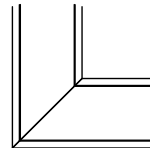
All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

**Certification**

CSA tested to UL 1598 standards, rated for Chicago Plenum. Rated for damp location use.

**Corners**

Patterns can be configured in 1' increments with illuminated 90° inside or outside corners, with standard 2' corner junction lengths. For custom angles, corner or junction lengths, consult factory.

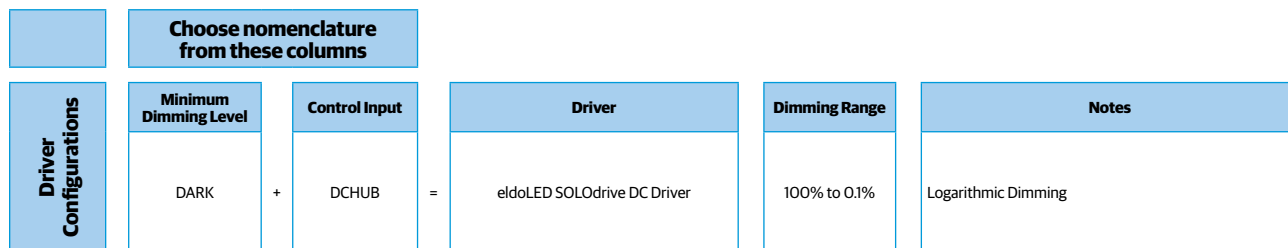


90° Corner

SPRLED MAX RUN CHART			
Color Temperature	Lumens/ft	Watts/ft	Amp Run Length Limit @ 57VDC (ft)
STWH 30K-40K	400	3.2	212
	450	4.5	150
	600	5.4	124
	800	7.4	90

(RUN LIMIT BASED ON 6AMP PER NEC TABLE 402.5 USING 18GA SOLID FIXTURE WIRE)

**INTELLIGENT LUMINAIRE TECHNOLOGY GUIDE**



**DC2DC**

**DC-powered Lighting, DC2DC Architecture**

Acuity Brands' DC2DC architecture provides for distributed low-voltage DC power and digital controls for a range of LED luminaires, including the SPRLED LED.

The DC2DC architecture enhances an LED lighting system's efficiency by eliminating the need and cost to convert AC to DC power at the luminaire and facilitating the installation and commissioning of lighting controls. Intrinsically more efficient by design, our DC-powered lighting architecture also delivers savings at design and installation, facilitates maintenance, and empowers lighting design focused on sustainable and well-being applications.

Components include:

- DCHUB (ordered separately), distributes DC power and control to up to 1080 VA of DC-powered LED luminaires including support for emergency lighting.\* DCHUB ordered separately. DCHUB input voltage is 120-277 volt AC.
- 57 VDC powered LED luminaires, with Static CCT or Tunable White options.
- nLight® Wired networked lighting control, with nLight control devices (ordered separately) and/or sensors embedded within luminaires.
- Standard Class 2 power and control cables, 16 AWG.

\* The number of luminaires that can be supported by a single DCHUB port is a function of luminaire wattage. Please refer to the DCHUB spec sheet for additional details.

Click [DC2DC](#) for more information.

**DC2DC Architecture**

