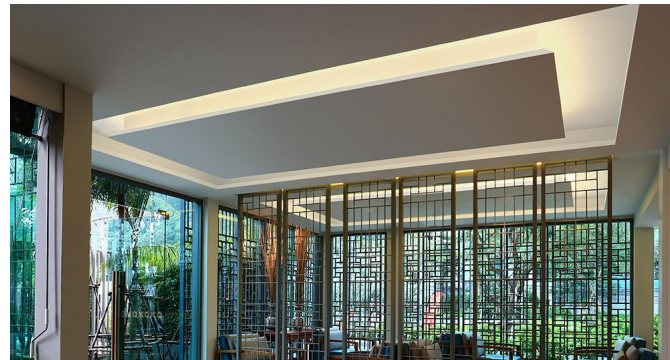
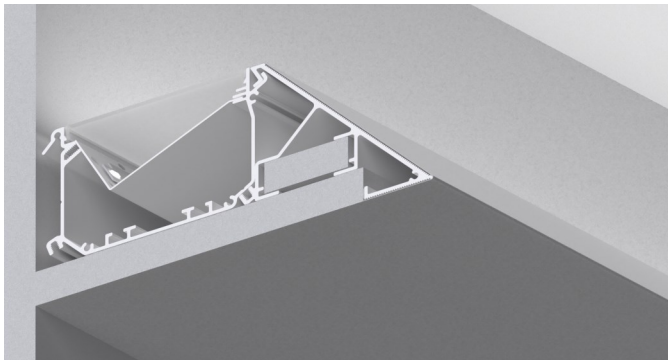


|            |  |
|------------|--|
| Type:      |  |
| Project:   |  |
| REP/Agent: |  |
| Order #:   |  |

## COVE



### FRONT TRIM



KNIFE EDGE

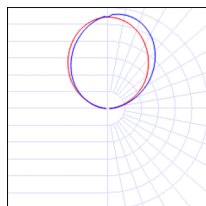


BULLNOSE

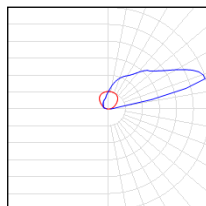
### FEATURES

- ★ Standard 2', 4', 6' and 8' units or continuous rows
- ★ Fixture/run length increments down to 1/16"
- ★ Two piece aluminum extrusion housing
- ★ Linear runs with proprietary joiner design
- ★ Snap-in lens for easy installation
- ★ Compatible with wall-to-wall applications
- ★ 3 Step MacAdam ellipse binning
- ★ Efficacy up to 130 lm/W
- ★ Soft diffuse indirect lighting
- ★ Approved for dry and damp locations
- ★ 0-10v dimming is standard
- ★ Dim to 1% of output current is standard
- ★ 90 CRI (R9 50min) available
- ★ CA Title 24 / JA8 installation compatible
- ★ Consult factory for TM21, TM30, LM79 and LM80
- ★ L70 > 50,000 hours

### DISTRIBUTION

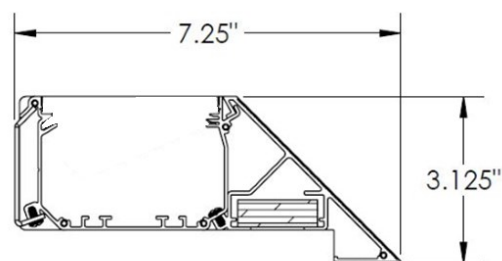


SD= SatinIce Diffuse



CW= Ceiling Wash

### DIMENSIONS



|            |  |
|------------|--|
| Type:      |  |
| Project:   |  |
| REP/Agent: |  |
| Order #:   |  |

# COVE

| COVE   |   |   |  |  |                              |
|--------|---|---|--|--|------------------------------|
| SERIES | LENGTH  | LUMENS PER FOOT   | DISTRIBUTION                             | CCT  | CRI                          |
| COVE   | XX= Run Length<br>_x_RECT= Rectangle<br>_x_L= L-Shape<br>CP= Custom Pattern | 350= 350 LPF<br>500= 500 LPF<br>750= 750 LPF<br>1000= 1000 LPF<br>XXX= Custom LPF | SD= SatinIce Diffuse<br>CW= Ceiling Wash | 27K= 2700K<br>30K= 3000K<br>35K= 3500K<br>40K= 4000K<br>50K= 5000K<br>TW= Tunable White <sup>1</sup><br>(2700-6500K) | 80= 80<br>90= 90 (R9 50 min) |

| FINISH  | MOUNTING       | TRIM                | VOLTAGE              | ELECTRICAL   |
|---|----------------|---------------------|----------------------|--|
| <b>STANDARD</b><br>PW= Powder Coat White<br>(Field Paintable)<br>NF= No Finish<br>(For Knife Trim Only)<br>PB= Powder Coat Black  | WM= Wall Mount | K= Knife<br>B= Bull | U= 120-277<br>C= 347 | 1C= Single Circuit<br>MC= Multiple Circuits<br>(multiple switch legs across run length)<br>EC= Emergency Circuit<br>(separate power drops for EC fixtures)<br>GTD= Generator Transfer Device |
| <b>PREMIUM</b><br>RALxxxx= Powder Coat<br>RAL xxxx (Gloss Finish)<br>PSFx= Prem Stock Finish*<br>*Only available on Bullnose Trim |                |                     |                      |  |
| <b>CUSTOM</b><br>PO= Powder Other   |                |                     |                      |  |

## OPTIONS

### SPECIALTY DRIVERS (Standard driver is 0-10V, dim to 1% output current)

DT1= eldoLED EcoDrive Dim to 1% (0-10V)  
DTZ= eldoLED SoloDrive Dim to 0.1% (0-10V)  
PSRD= Philips Sensor Ready (DALI) Driver  
LDE1= Lutron Hi-Lume EcoSystem LED driver w/ Soft-on, Fade-to-Black  
TW-A= Tunable White, 0-10v<sup>2</sup>  
TW-EL= eldoLED DUALdrive Tunable White (DALI)<sup>2</sup>  
LD2=Lutron DALI 2 Digital Tunable White driver with 1% dimming<sup>2</sup>

### BATTERIES ("#" indicates quantity)

#EMB6= 6W EM Battery (Iota/Bodine)  
#EMB10= 10W EM Battery (Iota/Bodine)  
#FCEMB10= 10W EM Battery (Factory Choice)<sup>3</sup>  
#FCEMB14= 14W EM Battery (Factory Choice)<sup>3</sup>

### OTHER

DMX= DMX Lighting Control (RGBW)

<sup>1</sup> Tunable White Driver must be specified in options

<sup>2</sup> 50 Watt Max. Dual driver required for higher fixture wattage

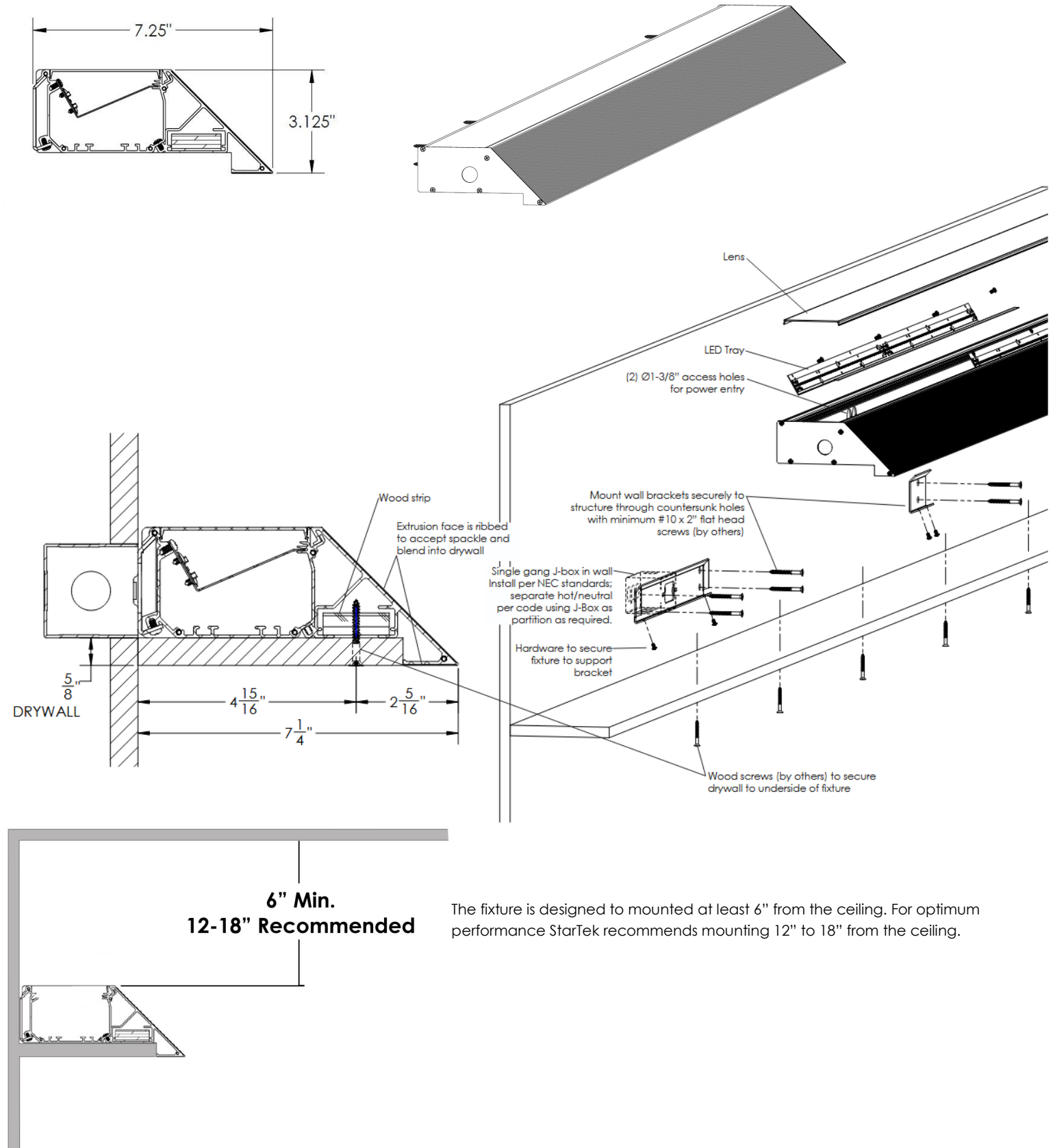
<sup>3</sup> D4i driver for static & DALI-2 Type 8 for tunable.

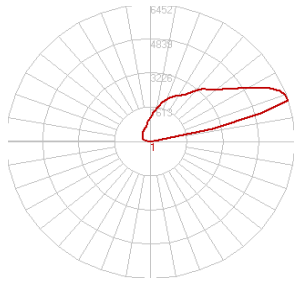
**EXAMPLE: COVE-20-500-CW-35K-80-PR-WM-K-U-1C-1EMB10**

# COVE

## MOUNTING OPTION

### WM-Wall Mount





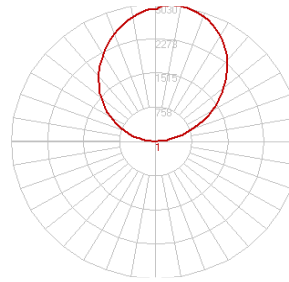
**Candela Table**

| Vert. Angle | Horizontal Angle |      |      |      |      |
|-------------|------------------|------|------|------|------|
|             | 0                | 22.5 | 45   | 67.5 | 90   |
| 90          | 0                | 0    | 0    | 0    | 0    |
| 95          | 212              | 218  | 254  | 419  | 58   |
| 100         | 542              | 954  | 2006 | 951  | 141  |
| 105         | 5093             | 5275 | 3355 | 1197 | 229  |
| 110         | 6409             | 5608 | 3636 | 1461 | 315  |
| 115         | 5894             | 5146 | 3491 | 1643 | 400  |
| 120         | 5045             | 4428 | 3172 | 1633 | 491  |
| 125         | 4292             | 3830 | 2932 | 1558 | 593  |
| 130         | 3783             | 3416 | 2663 | 1498 | 701  |
| 135         | 3508             | 3169 | 2393 | 1474 | 808  |
| 140         | 3116             | 2787 | 2198 | 1483 | 902  |
| 145         | 2721             | 2491 | 2067 | 1497 | 976  |
| 150         | 2473             | 2306 | 1972 | 1492 | 1031 |
| 155         | 2306             | 2158 | 1868 | 1462 | 1068 |
| 160         | 2102             | 1979 | 1744 | 1407 | 1091 |
| 165         | 1876             | 1772 | 1585 | 1337 | 1106 |
| 170         | 1612             | 1534 | 1413 | 1260 | 1116 |
| 175         | 1349             | 1304 | 1249 | 1187 | 1121 |
| 180         | 1123             | 1123 | 1123 | 1123 | 1123 |

**Model Tested**  
COVE-8-1000-CW-35K-80

### Luminance Data (cd/sq.m)

| Angle in Degrees | Avg. 0-Deg | Avg. 45-Deg | Avg. 90-Deg |
|------------------|------------|-------------|-------------|
| 45               | 0          | 0           | 0           |
| 55               | 0          | 0           | 0           |
| 65               | 0          | 0           | 0           |
| 75               | 0          | 0           | 0           |
| 85               | 0          | 0           | 0           |



**Candela Table**

| Vert. Angle | Horizontal Angle |      |      |      |      |
|-------------|------------------|------|------|------|------|
|             | 0                | 22.5 | 45   | 67.5 | 90   |
| 90          | 0                | 0    | 0    | 0    | 0    |
| 95          | 136              | 145  | 137  | 124  | 118  |
| 100         | 350              | 352  | 331  | 305  | 289  |
| 105         | 586              | 586  | 555  | 520  | 497  |
| 110         | 845              | 838  | 796  | 754  | 722  |
| 115         | 1105             | 1096 | 1046 | 993  | 953  |
| 120         | 1369             | 1355 | 1298 | 1231 | 1181 |
| 125         | 1634             | 1609 | 1544 | 1465 | 1401 |
| 130         | 1874             | 1842 | 1772 | 1681 | 1612 |
| 135         | 2115             | 2074 | 1996 | 1896 | 1807 |
| 140         | 2332             | 2289 | 2206 | 2099 | 2003 |
| 145         | 2537             | 2486 | 2400 | 2289 | 2188 |
| 150         | 2707             | 2654 | 2567 | 2456 | 2360 |
| 155         | 2842             | 2792 | 2707 | 2606 | 2519 |
| 160         | 2945             | 2893 | 2815 | 2726 | 2653 |
| 165         | 3007             | 2955 | 2889 | 2818 | 2764 |
| 170         | 3030             | 2980 | 2926 | 2878 | 2846 |
| 175         | 3018             | 2971 | 2932 | 2905 | 2897 |
| 180         | 2920             | 2920 | 2920 | 2920 | 2920 |

**Model Tested**  
COVE-8-1000-SD-35K-80

### Luminance Data (cd/sq.m)

| Angle in Degrees | Avg. 0-Deg | Avg. 45-Deg | Avg. 90-Deg |
|------------------|------------|-------------|-------------|
| 45               | 0          | 0           | 0           |
| 55               | 0          | 0           | 0           |
| 65               | 0          | 0           | 0           |
| 75               | 0          | 0           | 0           |
| 85               | 0          | 0           | 0           |

## Power<sup>1</sup>

| LPF  | Total Lumens | CW<br>Ceiling Wash |       | SD<br>Satin Diffuse |       |
|------|--------------|--------------------|-------|---------------------|-------|
|      |              | LPW                | W/ft. | LPW                 | W/ft. |
| 350  | 2800         | 118                | 3     | 130                 | 3     |
| 500  | 4000         | 118                | 4     | 130                 | 4     |
| 750  | 6000         | 118                | 6     | 130                 | 6     |
| 1000 | 8000         | 118                | 9     | 130                 | 8     |

<sup>1</sup>Based on 8' lengths at 35K CCT and 80 CRI modules. All wattage values are rounded up. Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%.

## Wattage Multiplier

| CCT    | 4' Length |      | 8' Length |
|--------|-----------|------|-----------|
|        | 1.11      | 1.05 |           |
| 80 CRI | 30K       | 1.11 | 1.05      |
|        | 35K       | 1.05 | 1         |
|        | 40K       | 1.03 | 0.98      |
|        | 50K       | 1.02 | 0.97      |
| 90 CRI | 30K       | 1.17 | 1.11      |
|        | 35K       | 1.11 | 1.05      |
|        | 40K       | 1.08 | 1.03      |
|        | 50K       | 1.07 | 1.02      |

## Multiplier How-To

To determine CRI/CCT configuration wattage:

Choose wattage from Power matrix for desired optic and lumen output for 8' fixture length.

**Wattage x Multiplier = New Configuration Wattage**

INDIVIDUAL AND CONTINUOUS FIXTURE CONFIGURATION

Individual & Continuous Run

The standard construction of run lengths follows the logic of the table below. Consult factory for additional information.

If a different configuration is needed to meet an aesthetic requirement, please indicate this on your P.O. when placing your order.

Run lengths always start with the longest fixture and receives the power feed.

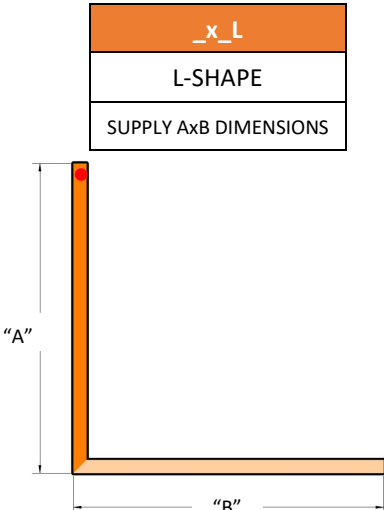
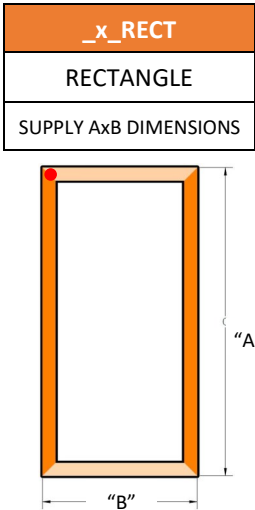
|               |   | Total Length |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
|---------------|---|--------------|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
|               |   | 2            | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |   |
| # of Sections | 2 | 1            |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
|               | 3 |              | 1 |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
|               | 4 |              |   | 1 |   |   |   |   | 1 | 1  | 1  | 1  |    |    |    |    | 1  | 1  | 1  | 1  |    |    |    |    | 1  | 1  | 1  | 1  |    |    |    |    | 1  | 1  | 1  | 1  |    |    |    |    |   |
|               | 5 |              |   |   | 1 |   |   |   | 1 |    |    |    | 1  |    |    |    | 1  |    |    |    | 1  |    |    |    | 1  |    |    |    | 1  |    |    |    | 1  |    |    |    | 1  |    |    |    |   |
|               | 6 |              |   |   |   | 1 |   |   |   | 1  |    |    |    |    | 1  |    |    |    | 1  |    |    |    | 1  |    |    | 1  |    |    |    | 1  |    |    |    | 1  |    |    |    | 1  |    |    |   |
|               | 7 |              |   |   |   |   | 1 |   |   |    | 1  |    |    |    |    | 1  |    |    | 1  |    |    |    | 1  |    |    |    | 1  |    |    |    | 1  |    |    |    | 1  |    |    |    | 1  |    |   |
|               | 8 |              |   |   |   |   |   | 1 |   |    |    | 1  | 1  | 1  | 1  | 1  | 2  | 1  | 1  | 1  | 2  | 2  | 2  | 2  | 3  | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 4  | 3  | 3  | 3  | 4  | 4  | 4  | 4  | 5 |

NOTE: Fixtures in continuous runs are available in 1/16" increments. Consult factory for smaller increments.

SHAPE CONFIGURATION

Miter Cuts

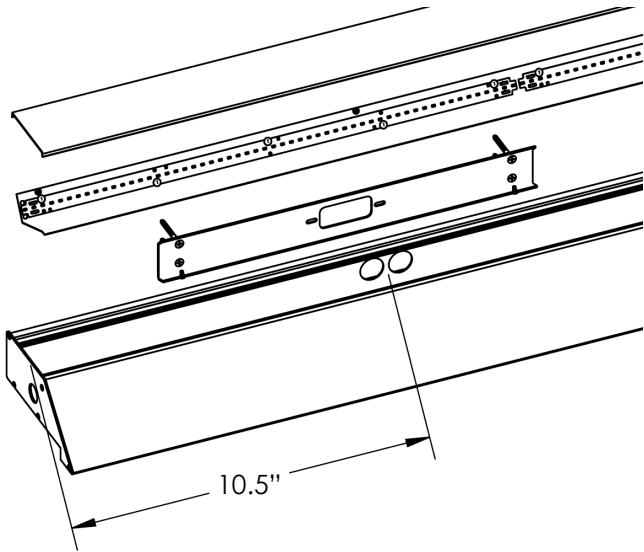
Specify the configuration and overall dimensions. Note the overall dimension is for the fixture and does not include any mounting brackets or accessories. For the "L" shape, the standard construction is to build with as many 8' sections as possible or use the longest sections first and finish the shapes with a shorter length fixture if necessary.



● = Power Location

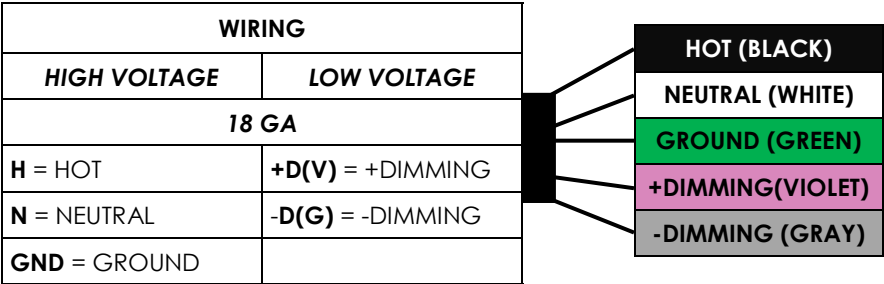
POWER LOCATION

The standard power location is out the end cap on the starter fixture. If a different configuration is needed to meet an aesthetic or placement requirement, please consult the factory.

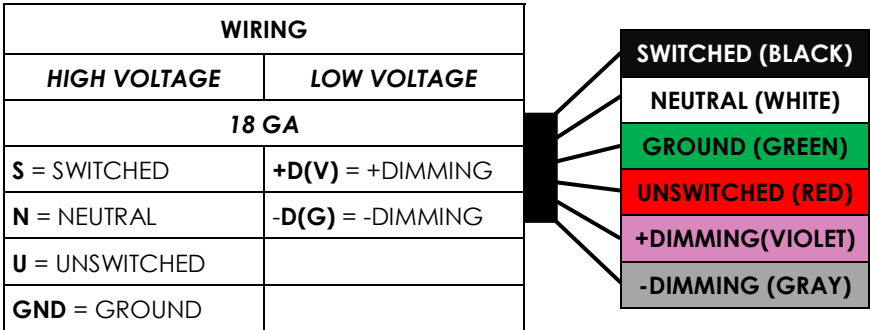


WIRING DIAGRAMS

Wiring configurations are dependent on the options chosen. Below are a few examples of our standard wiring that is used to power the fixture.



This wiring diagram is showing a standard set of wires for a basic fixture.



This wiring diagram is showing a set of wires for a fixture with a emergency battery.

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**SPECIFICATIONS**

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**Housing**

Housing of continuous extruded 6063 T5 aluminum.

**Luminaire Length**

2', 4', 6' or 8' lengths are available for a single stand-alone section. Using internal joiners, sections can be joined to form longer rows.

**Battery**

Lithium ion battery providing up to (14W) for 90 minutes. UL924 listed. Class 2 compliant. Meets Title 20 CEC (California Energy Commission) efficiency standards.

**Lensing**

Snap-in .060" thick acrylic lensing with impact modifier

**Source**

Four standard lumen packages are available in four color temperature options (3000K, 3500K, 4000K and 5000K) — all within 3 MacAdam ellipses.

**Certification**

Intertek cETLus Listed. RoHS (Restriction of Hazardous Substances) and Buy American Act compliant.

**Environment**

Suitable for dry and damp locations.  
Operating temp.: -40°C to +45°C

**Dimming Driver**

LED drivers allows tunable output currents to achieve infinite configurations of output. UL Class 2 recognized. 0-10v interface can be wired as Class 1 or Class 2 circuit. Included 2.5Kw ring and wave overcurrent protection, isolation of each individual output and a fully potted driver to protect from heat and vibration. Power factor <.93

**Packaging**

Sustainably manufactured outside cardboard box and biodegradable, protective poly-foam luminaire inserts.

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**WARRANTY**

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5-year limited warranty. Complete warranty terms can be located at:

[http://www.starteklightingamerica.com/images/pdf/warranty/Cove\\_Series\\_Warranty.pdf](http://www.starteklightingamerica.com/images/pdf/warranty/Cove_Series_Warranty.pdf)

Note: Actual performance may differ as a result of installation environment and final application.  
All values are design or typical values, measured under laboratory conditions, at 25°C (77°F) .