

Model #	
Type	
Project	
Date	

# LS2-SERIES LINEAR STRIP

The LS2-Series Linear Strip is a dimmable, low profile solution for any cove or undercabinet project. Available in a variety of lengths with the ability to connect up to 10 strips on one pass, they are the most versatile way to give your project a custom look.



## HIGHLIGHTS

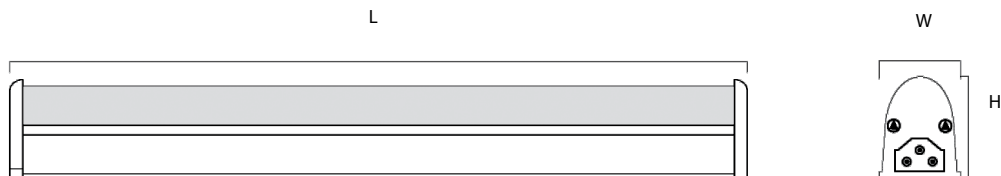
- Up to 450 lumen per foot
- Direct AC 120V Input
- On/Off switch available on most models
- T5 shape for retrofit applications
- Polycarbonate lens cover
- High strength aluminum for durability and optimum heat dissipation
- Available in 9", 14", 23" 35" and 47" lengths
- Selectable CCT available in 14", 23" 35" and 47" lengths
- Backed by a worry-free 5 year warranty



## APPLICATIONS

Low profile solution for any cove or undercabinet projects.

DIMENSIONS					
VOLTAGE (V)	POWER (W)	L (inches/mm)	W (inches/mm)	H (inches/mm)	WEIGHT (kg/lbs)
100-130V	3	9" (228 mm)	1" (25 mm)	1 3/16" (30 mm)	140 g / 5 oz
	5	13 9/16" (344 mm)	1" (25 mm)	1 3/16" (30 mm)	190 g / 7 oz
	9	22 5/8" (575 mm)	1" (25 mm)	1 3/16" (30 mm)	250 g / 9 oz
	14	34 1/2" (876 mm)	1" (25 mm)	1 3/16" (30 mm)	340 g / 12 oz
	18	46 1/4" (1175 mm)	1" (25 mm)	1 3/16" (30 mm)	430 g / 15 oz



## ORDERING GUIDE

SERIES	LENGTH & POWER (W)	CCT
<b>LS2</b>	<b>93*</b> : 9", 3W <b>145**</b> : 14", 5W <b>239**</b> : 23", 9W <b>3514**</b> : 35", 14W <b>4718**</b> : 47", 18W	<b>3</b> : 3000K <b>4</b> : 4000K <b>5</b> : 5000K <b>S</b> : 3000K / 4000K / 5000K selectable  Notes: *only available with fixed CCT options; "3/4/5" **only available with selectable CCT option "S"

### MODEL SELECTION

SERIES	-	LENGTH & POWER (W)	-	CCT
<b>LS2</b>	-	<b>145</b>	-	<b>S</b>

EXAMPLE: LS2-145-S

### ACCESSORIES SELECTION

ORDER	MODEL #	DESCRIPTION
	LS2-CON06	6" Interconnect Wire
	LS2-CON12	12" Interconnect Wire
	LS2-CON36	36" Interconnect Wire
	LS2-JB	Junction Box (120V)
	LS2-JBS	Junction Box with switch (120V)
	LS2-PC6	72" AC Power Cord
	LS2-MAGCLIP	Magnetic clips (Set of 3 clips)
	LS2-MAGCLIP-90	Magnetic mounting clips with 90 degree elbow (Set of 3 clips)

\*All LS3 accessories are compatible with the LS2. For more information please see here for the [LS3 spec sheet](#).

## PRODUCT FEATURES

### CONSTRUCTION

- Powder coated white aluminum
- Polycarbonate lens

### ELECTRICAL

- TRIAC dimming, dim-to-off (0.1%)
- On/Off switch mounted on side of fixture. No switch on the 9" models
- Color temperature (3000K, 4000K, 5000K) selection switch mounted on side of fixture (not available on 9" models)
- Power Factor >0.9
- THD <20%

### INSTALLATION

- Required for power connection (not included): Junction Box (LS2-JBx) or Power Cord (LS2-PC6) to connect to electrical source
- Bracket Mount (included)
- Double-ended connector (included)
- A total of ten (10) LS2 strips of any length can be connected on a single run
- Magnetic clips (not included): Add LS2-MAGCLIP or LS2-MAGCLIP-90 to mount LS2 strips to ferrous metal surfaces

### LISTINGS & RATINGS

- cULus
- Dry Location
- Listed for use in: -20°C to -40°C (-4°F to 104°F)

### RATED LIFE & WARRANTY









- LED system: >50,000 hours at L70
- 5 year warranty (visit [premiseled.com/warranty/](http://premiseled.com/warranty/))

## ORDERING INFORMATION

INPUT VOLTAGE	POWER (W)	CCT (K)	MODEL NUMBER	DELIVERED LUMENS (lm)	EFFICACY (lm/W)
100-130V	3W	3K	LS2-93-3	256 lm	85 lm/W
		4K	LS2-93-4	264 lm	88 lm/W
		5K	LS2-93-5	350 lm	100 lm/W
	5W	3K	LS2-145-S	500 lm	100 lm/W
		4K			
		5K			
	9W	3K	LS2-239-S	900 lm	100 lm/W
		4K			
		5K			
	14W	3K	LS2-3514-S	1,400 lm	100 lm/W
		4K			
		5K			
	18W	3K	LS2-4718-S	2,000 lm	100 lm/W
		4K			
		5K			

## OPTIONAL ACCESSORIES

### MOUNTING ACCESSORIES

IMAGE	DESCRIPTION	MODEL NUMBER
	6" Interconnect Wire for LS2	LS2-CON06
	12" Interconnect Wire for LS2	LS2-CON12
	36" Interconnect Wire for LS2	LS2-CON36
	Junction Box for LS2, 120VAC	LS2-JB
	Junction Box with Switch for LS2, 120VAC	LS2-JBS
	72" AC Power Cord for LS2	LS2-PC6
	Magnetic clips	LS2-MAGCLIP (Set of 3 clips)
	Magnetic mounting clips with 90 degree elbow	LS2-MAGCLIP-90 (Set of 3 clips)

### PACKING INFORMATION

MODEL	CASE QUANTITY	PALLET QUANTITY
9", 3W	CASE OF 50	-
14", 5W	CASE OF 50	-
23", 9W	CASE OF 50	-
35", 14W	CASE OF 25	-
47", 18W	CASE OF 25	-

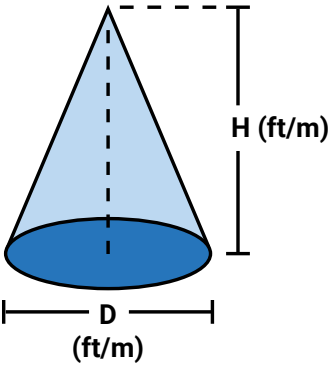
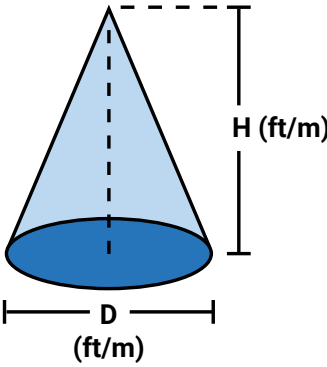
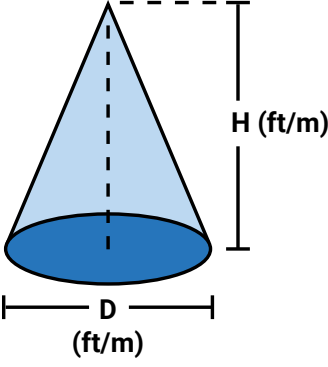
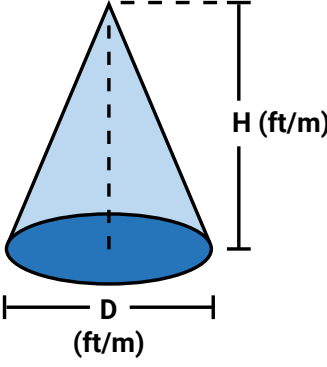
### ELECTRICAL INFORMATION

INPUT VOLTAGE	LENGTH & POWER (W)	APPARENT POWER (VA)	SYSTEM POWER (W)	CURRENT DRAW AT 120V <sub>ac</sub>
100-130V	9", 3W	4.0VA	3.2W	0.040A
	14", 5W	5.1VA	5.0W	0.043A
	23", 9W	9.1VA	9.0W	0.077A
	35", 14W	14.2VA	14W	0.119A
	47", 18W	18.3VA	18.0W	0.153A

## PHOTOMETRIC INFORMATION

### ILLUMINANCE AT A DISTANCE

### ILLUMINANCE AT A DISTANCE

<p>LENGTH <b>9'</b></p> <p>WATTAGE <b>3W</b></p> <p>VOLTAGE <b>100-120V</b></p>		<p>LENGTH <b>14'</b></p> <p>WATTAGE <b>5W</b></p> <p>VOLTAGE <b>100-130V</b></p>																																																	
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>H (ft/m)</th> <th>LUX</th> <th>FC</th> <th>D (ft/m)</th> </tr> </thead> <tbody> <tr><td>6.6' (2m)</td><td>16.4</td><td>1.5</td><td>60.4' (18.4m)</td></tr> <tr><td>9.8' (3m)</td><td>7.3</td><td>0.7</td><td>90.7' (27.6m)</td></tr> <tr><td>13.1' (4m)</td><td>4.1</td><td>0.4</td><td>120.6' (36.7m)</td></tr> <tr><td>16.4' (5m)</td><td>2.6</td><td>0.2</td><td>150.8' (45.9m)</td></tr> <tr><td>19.7' (6m)</td><td>1.8</td><td>0.2</td><td>181.0' (55.1m)</td></tr> </tbody> </table>	H (ft/m)	LUX	FC	D (ft/m)	6.6' (2m)	16.4	1.5	60.4' (18.4m)	9.8' (3m)	7.3	0.7	90.7' (27.6m)	13.1' (4m)	4.1	0.4	120.6' (36.7m)	16.4' (5m)	2.6	0.2	150.8' (45.9m)	19.7' (6m)	1.8	0.2	181.0' (55.1m)		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>H (ft/m)</th> <th>LUX</th> <th>FC</th> <th>D (ft/m)</th> </tr> </thead> <tbody> <tr><td>6.6' (2m)</td><td>16.4</td><td>1.5</td><td>60.4' (18.4m)</td></tr> <tr><td>9.8' (3m)</td><td>7.3</td><td>0.7</td><td>90.7' (27.6m)</td></tr> <tr><td>13.1' (4m)</td><td>4.1</td><td>0.4</td><td>120.6' (36.7m)</td></tr> <tr><td>16.4' (5m)</td><td>2.6</td><td>0.2</td><td>150.8' (45.9m)</td></tr> <tr><td>19.7' (6m)</td><td>1.8</td><td>0.2</td><td>181.0' (55.1m)</td></tr> </tbody> </table>	H (ft/m)	LUX	FC	D (ft/m)	6.6' (2m)	16.4	1.5	60.4' (18.4m)	9.8' (3m)	7.3	0.7	90.7' (27.6m)	13.1' (4m)	4.1	0.4	120.6' (36.7m)	16.4' (5m)	2.6	0.2	150.8' (45.9m)	19.7' (6m)	1.8	0.2	181.0' (55.1m)
H (ft/m)	LUX	FC	D (ft/m)																																																
6.6' (2m)	16.4	1.5	60.4' (18.4m)																																																
9.8' (3m)	7.3	0.7	90.7' (27.6m)																																																
13.1' (4m)	4.1	0.4	120.6' (36.7m)																																																
16.4' (5m)	2.6	0.2	150.8' (45.9m)																																																
19.7' (6m)	1.8	0.2	181.0' (55.1m)																																																
H (ft/m)	LUX	FC	D (ft/m)																																																
6.6' (2m)	16.4	1.5	60.4' (18.4m)																																																
9.8' (3m)	7.3	0.7	90.7' (27.6m)																																																
13.1' (4m)	4.1	0.4	120.6' (36.7m)																																																
16.4' (5m)	2.6	0.2	150.8' (45.9m)																																																
19.7' (6m)	1.8	0.2	181.0' (55.1m)																																																
	<h3 style="text-align: center;">ILLUMINANCE AT A DISTANCE</h3>		<h3 style="text-align: center;">ILLUMINANCE AT A DISTANCE</h3>																																																
<p>LENGTH <b>23'</b></p> <p>WATTAGE <b>9W</b></p> <p>VOLTAGE <b>100-130V</b></p>		<p>LENGTH <b>35'</b></p> <p>WATTAGE <b>14W</b></p> <p>VOLTAGE <b>100-130V</b></p>																																																	
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>H (ft/m)</th> <th>LUX</th> <th>FC</th> <th>D (ft/m)</th> </tr> </thead> <tbody> <tr><td>6.6' (2m)</td><td>48.4</td><td>4.5</td><td>75.2' (22.9m)</td></tr> <tr><td>9.8' (3m)</td><td>21.5</td><td>2.0</td><td>38.8' (34.3m)</td></tr> <tr><td>13.1' (4m)</td><td>12.1</td><td>1.1</td><td>150.1' (45.7m)</td></tr> <tr><td>16.4' (5m)</td><td>7.7</td><td>0.7</td><td>178.9' (57.2m)</td></tr> <tr><td>19.7' (6m)</td><td>5.4</td><td>0.5</td><td>225.4' (68.6m)</td></tr> </tbody> </table>	H (ft/m)	LUX	FC	D (ft/m)	6.6' (2m)	48.4	4.5	75.2' (22.9m)	9.8' (3m)	21.5	2.0	38.8' (34.3m)	13.1' (4m)	12.1	1.1	150.1' (45.7m)	16.4' (5m)	7.7	0.7	178.9' (57.2m)	19.7' (6m)	5.4	0.5	225.4' (68.6m)		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>H (ft/m)</th> <th>LUX</th> <th>FC</th> <th>D (ft/m)</th> </tr> </thead> <tbody> <tr><td>6.6' (2m)</td><td>73.1</td><td>6.8</td><td>67.3' (20.5m)</td></tr> <tr><td>9.8' (3m)</td><td>32.5</td><td>3.0</td><td>100.8' (30.7m)</td></tr> <tr><td>13.1' (4m)</td><td>18.3</td><td>1.7</td><td>134.4' (40.9m)</td></tr> <tr><td>16.4' (5m)</td><td>11.7</td><td>1.1</td><td>167.9' (51.1m)</td></tr> <tr><td>19.7' (6m)</td><td>8.1</td><td>0.8</td><td>201.7' (61.4m)</td></tr> </tbody> </table>	H (ft/m)	LUX	FC	D (ft/m)	6.6' (2m)	73.1	6.8	67.3' (20.5m)	9.8' (3m)	32.5	3.0	100.8' (30.7m)	13.1' (4m)	18.3	1.7	134.4' (40.9m)	16.4' (5m)	11.7	1.1	167.9' (51.1m)	19.7' (6m)	8.1	0.8	201.7' (61.4m)
H (ft/m)	LUX	FC	D (ft/m)																																																
6.6' (2m)	48.4	4.5	75.2' (22.9m)																																																
9.8' (3m)	21.5	2.0	38.8' (34.3m)																																																
13.1' (4m)	12.1	1.1	150.1' (45.7m)																																																
16.4' (5m)	7.7	0.7	178.9' (57.2m)																																																
19.7' (6m)	5.4	0.5	225.4' (68.6m)																																																
H (ft/m)	LUX	FC	D (ft/m)																																																
6.6' (2m)	73.1	6.8	67.3' (20.5m)																																																
9.8' (3m)	32.5	3.0	100.8' (30.7m)																																																
13.1' (4m)	18.3	1.7	134.4' (40.9m)																																																
16.4' (5m)	11.7	1.1	167.9' (51.1m)																																																
19.7' (6m)	8.1	0.8	201.7' (61.4m)																																																

\*Based on operation at 4000K & 120V.

## PHOTOMETRIC INFORMATION

### ILLUMINANCE AT A DISTANCE

LENGTH <b>47'</b>				
VOLTAGE <b>100-130V</b>	<b>H (ft/m)</b>	<b>LUX</b>	<b>FC</b>	<b>D (ft/m)</b>
	6.6' (2m)	103.5	9.6	75.2' (22.9m)
	9.8' (3m)	46.0	4.3	38.8' (34.3m)
	13.1' (4m)	25.9	2.4	150.1' (45.7m)
	16.4' (5m)	16.6	1.5	178.9' (57.2m)
	19.7' (6m)	11.5	1.1	225.4' (68.6m)

\*Based on operation at 4000K & 100V.