

# S20SS LED SLIM STRIP WITH LENS



A high performance lensed LED strip that provides smooth and uniform lighting. Ideal for commercial, industrial, retail, or residential applications. Its slim housing allows it to be installed in restricted areas such as coves and display applications. Junction box cover included.

## FEATURES & SPECIFICATIONS

### CONSTRUCTION

#### Housing

- Slim housing ideal for restricted areas
- White powder painted steel
- Frosted PMMA lens

#### Mounting options

- Surface, suspended or row mounted (see accessories)

### BRIDGE

- This unit can be used as an emergency backup unit powered from a stand-alone battery unit. Please view the BRIDGE brochure for more details on this technology.
- Patent Pending

### TECHNICAL SPECIFICATIONS

- Long life LEDs that provide 80+ CRI and are available in 4 000K color temperature
- 0-10 V dimming standard
- Canopy plate for octagonal junction box, and mounting brackets are included
- Estimated lifespan of over 120 000 hours to L70
- Ambient temperature: Quick Ship: -20°C to +50°C BRIDGE option: -20°C to +25°C
- Suitable for damp locations

### COMPLIANCES

- Meets requirements of ICES-005 issue 4 for class A products
- cULus
- CSA C22.2 No. 250.0
- CSA Certified to C22.2#141-15 (When used with EL option)

OVERVIEW			
LIGHT SOURCE	LED	COLOR TEMPERATURE (K)	4 000
WATTS (W)	20 - 90	CRI	80+
LUMEN OUTPUT (LM)	2 620 - 11 880	WEIGHT (LBS)	24": 1.88, 48": 3.75, 96": 7.50
EFFICIENCY (LM/W)	128 - 132		

Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at [www.designlights.org/search](http://www.designlights.org/search).

<sup>1</sup> 5 year warranty for the BRIDGE module.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

## QUICK SHIP<sup>1</sup> ORDERING GUIDE



PART NO	DLC UNIQUE ID	WATTS [W]	VOLTS [VAC]	COLOR TEMP. [K] <sup>2</sup>	LUMEN OUTPUT [LM] <sup>3</sup>	EFFICIENCY [LM/W]	CRI	LIFE L70 [HRS] <sup>4</sup>	TESTED HOURS LM-80 [HRS] <sup>4</sup>	DIMMING [YES/NO]	POWER FACTOR	THD [%]	CASE QTY [MASTER]
<b>24"</b>													
S20SS-24LA1-2/40K	PLRA1NH5SBAT	20	120-277	4 000	2 620	131	82	120 000	6 000	YES	0.90	10	9
<b>48"</b>													
S20SS-48LA1-2/40K	PLUR7P9DEUI7	30	120-277	4 000	3 900	130	82	120 000	6 000	YES	0.90	10	9
S20SS-48LA2-2/40K	PLQMS733XUNW	46	120-277	4 000	5 888	128	82	120 000	6 000	YES	0.90	10	9
<b>96"</b>													
S20SS-96LA1-2/40K	PLBPWMQ67746	75	120-277	4 000	9 750	130	82	120 000	6 000	YES	0.90	10	1
S20SS-96LA2-2/40K	PLJE3NNV3HKG	90	120-277	4 000	11 880	132	82	120 000	6 000	YES	0.90	10	1

<sup>1</sup> QUICK SHIP: Product availability is subject to change without notice. Please contact your AimLite customer service representative to confirm inventory levels at time of order.

<sup>2</sup> Typical color temperature range: +/- 5 %.

<sup>3</sup> Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

<sup>4</sup> Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

## CONFIGURABLE ORDERING GUIDE

SERIES	SIZE	LAMP TYPE	LUMEN PACKAGE DELIVERED <sup>1</sup>	VOLTS [V]	COLOR TEMP. [K]	OPTIONS
S20SS	24 - 24" 48 - 48"	L - LED	A1 - 2 620 LUMENS (20W) A2 - 5 888 LUMENS (46W)	2 - 120-277	40K - 4 000	EL - BRIDGE <sup>2</sup>

<sup>1</sup> See IES files for details.

<sup>2</sup> Emergency power conversion module.

## BRIDGE TECHNICAL SPECIFICATION TABLE

Size	Lumen Package	BRIDGE Watts [W]	4 000 K
			BRIDGE lumen output [lm]
24"	A1	11	1262.65
48"	A1	11	894.5
	A2	11	1184.71

## ACCESSORIES

PART NUMBER	TYPE
VHOOK-SSS-KIT	V-HOOK KIT
AC-SSS-KIT	10' AVIATION CABLE KIT
HAR684	PUSH-IN METAL PLUG 7/8"
WGD906-2FT	WIREGUARD KIT 24"
WGD906-4FT	WIREGUARD KIT 48"
WGD906-8FT	WIREGUARD KIT 96"
BKT797-WH	CONTINUOUS ROW MOUNTING ALIGNER FOR SUSPENDED INSTALLATION
LEN358-2	REPLACEMENT LENS 24"
LEN358-4	REPLACEMENT LENS 48"
LEN358-8	REPLACEMENT LENS 96"

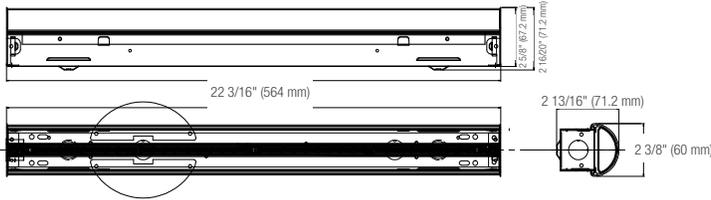
## COMPATIBLE DIMMERS

BRAND	MODEL NUMBER
LEVITON	ILLUMATECH IP710-LFZ
LUTRON	DIVADVSTV
LUTRON	MAESTRO MS-Z101
LUTRON	NOVA T NTSTV
PHILIPS	SUNRISE SR1200ZTUNV

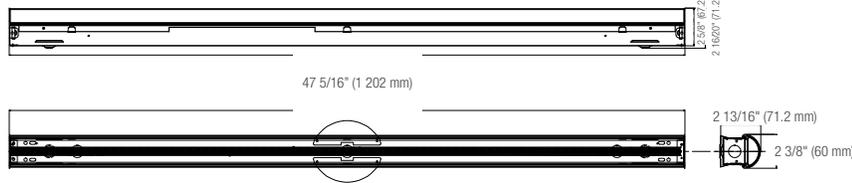
NOTE: The above table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read and comply to the dimmer installation instructions. Consult dimming system manufacturer for additional support in operation. AimLite recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation. Some dimmers may require more than one product for stable operation. The maximum number of products is determined by the dimmer wattage rating with LEDs. Be careful, these dimmers have different ratings depending on the product type. Again, refer to the dimmer installation instructions.

## DIMENSIONS

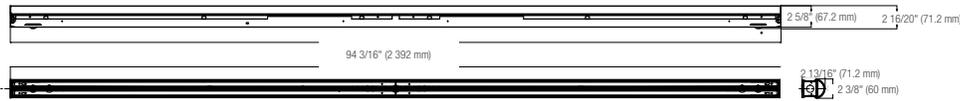
24"



48"



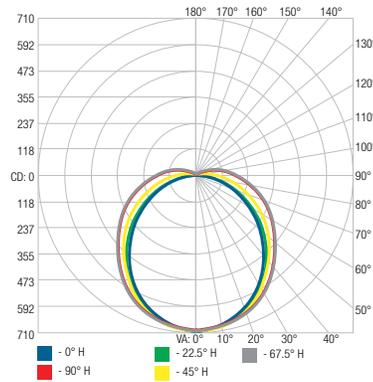
96"



## PHOTOMETRIC DATA<sup>1</sup>

**S2OSS-24LA1-2-40K • 2 446.6 LM**

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	542.1	22.2
0-40	888.7	36.3
0-60	1 594.6	65.2
60-90	651.1	26.6
70-100	458	18.7
90-120	174.6	7.1
0-90	2 245.7	91.8
90-180	200.9	8.2
0-180	2 446.6	100

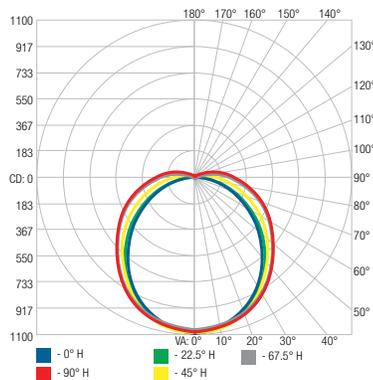
### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	243	4.5'	7.4'
3.3'	64.6	8.8'	14.3'
5.0'	28.1	13.3'	21.7'
6.7'	15.7	17.8'	29.0'
8.3'	10.2	22.1'	36.0'
10.0'	7.03	26.6'	43.3'

■ Vert. Spread: 106.1° ■ Hor. Spread: 130.5°

**S2OSS-48LA1-2-40K • 3 610.8 LM**

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	789.2	21.9
0-40	1 295.4	35.9
0-60	2 330.0	64.5
60-90	958.4	26.5
70-100	675	18.7
90-120	268.5	7.4
0-90	3 288.4	91.1
90-180	322.3	8.9
0-180	3 610.8	100

### ILLUMINANCE AT A DISTANCE

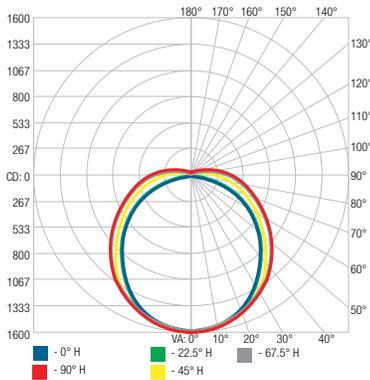
CENTER BEAM FC		BEAM WIDTH	
1.7'	353	4.6'	7.6'
3.3'	93.8	8.9'	14.7'
5.0'	40.8	13.4'	22.3'
6.7'	22.7	18.0'	29.8'
8.3'	14.8	22.3'	37.0'
10.0'	10.2	26.9'	44.5'

■ Vert. Spread: 106.6° ■ Hor. Spread: 131.6°

## PHOTOMETRIC DATA<sup>1</sup> (CONTINUED)

### S2OSS-48LA2-2-40K • 5 662.3 LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 238.8	21.9
0-40	2 032.6	35.9
0-60	3 656.0	64.6
60-90	1 504.3	26.6
70-100	1 058.3	18.7
90-120	418.7	7.4
0-90	5 160.3	91.1
90-180	502.1	8.9
0-180	5 662.3	100

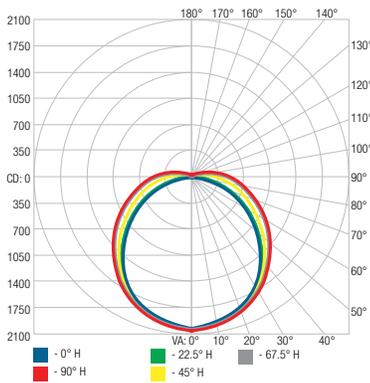
#### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	553 fc	4.6'	7.5'
3.3'	147 fc	8.9'	14.5'
5.0'	64.0 fc	13.5'	22.0'
6.7'	35.6 fc	18.1'	29.5'
8.3'	23.2 fc	22.5'	36.6'
10.0'	16.0 fc	27.0'	44.1'

■ Vert. Spread: 107.0° ■ Hor. Spread: 131.2°

### S2OSS-96LA1-2-40K • 9 568.5 LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	2 091.5	21.9
0-40	3 432.7	35.9
0-60	6 174.4	64.5
60-90	2 539.9	26.5
70-100	1 788.7	18.7
90-120	711.6	7.4
0-90	8 714.3	91.1
90-180	854.2	8.9
0-180	9 568.5	100

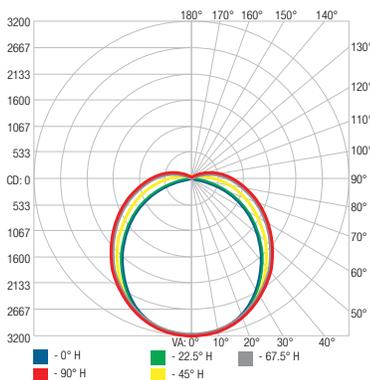
#### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	936	4.6'	7.6'
3.3'	248	8.9'	14.7'
5.0'	108	13.4'	22.3'
6.7'	60.3	18.0'	29.8'
8.3'	39.3	22.3'	37.0'
10.0'	27.1	26.9'	44.5'

■ Vert. Spread: 106.6° ■ Hor. Spread: 131.6°

### S2OSS-96LA2-2-40K • 11 324.7 LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	2477.5	21.9%
0-40	4065.2	35.9%
0-60	7311.9	64.6%
60-90	3008.6	26.6%
70-100	2116.5	18.7%
90-120	837.3	7.4%
0-90	10,320.5	91.1%
90-180	1004.2	8.9%
0-180	11,324.7	100%

#### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	1107 fc	4.6'	7.5'
3.3'	294 fc	8.9'	14.5'
5.0'	128 fc	13.5'	22.0'
6.7'	71.2 fc	18.1'	29.5'
8.3'	46.4 fc	22.5'	36.6'
10.0'	32.0 fc	27.0'	44.1'

■ Vert. Spread: 107.0° ■ Hor. Spread: 131.2°

<sup>1</sup> Complete IES files available on our website.