

# S20SS LED SLIM STRIP

The S20SS series showcases a slim profile, allowing for installation in tight and restrictive spaces. Benefit from high-performance light output without sacrificing smooth and uniform lighting. With its classic round lens design, the S20SS series is the perfect choice for a wide range of commercial and industrial applications.



## FEATURES & SPECIFICATIONS

### CONSTRUCTION

#### Physical Characteristics

- Slim housing ideal for restricted areas
- 24 gauge white powder painted steel
- Frosted PMMA lens

#### Mounting

- Surface, suspended or row mounted (see accessories)
- Canopy plate for octagonal junction box and mounting brackets are included

### PERFORMANCE DATA

- Available in 4 000 K color temperature
- 80+ CRI
- Electrical ratings: 120-347 V
- Estimated life of over 186 000 hours to L70
- 0-10 V dimming standard
- 2.5 kV surge protection
- Operating temperature: -20 °C to 50 °C [-4 °F to 122 °F]

### COMPLIANCES

- cULus listed for damp locations
- DLC Premium and Standard
- Meets requirements of ICES-005 issue 5 class A for use in commercial applications

OVERVIEW			
<b>LIGHT SOURCE</b>	LED	<b>COLOR TEMPERATURE (K)</b>	4 000
<b>WATTS (W)</b>	20 - 90	<b>CRI</b>	80+
<b>LUMEN OUTPUT (LM)</b>	2 620 - 11 790	<b>WEIGHT (LBS)</b>	24": 1.88, 48": 3.75, 96": 7.50
<b>EFFICACY (LM/W)</b>	131 - 132		



WARRANTY  
5 YEAR  
WARRANTY



QUICKSHIP



LED



DIMMABLE



DAMP  
LOCATION



ICES  
005



UL  
CERTIFIED



DLC  
LISTED  
PREMIUM



DLC  
LISTED

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).

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 AND TECHNICAL SPECIFICATION TABLE

PART NUMBER	WATTS [W]	VOLTS [V AC]	COLOR TEMP. [K] <sup>1</sup>	LUMEN OUTPUT [LM] <sup>2</sup>	EFFICACY [LM/W]	CRI	LIFE L70 [HRS] <sup>3</sup>	TESTED HOURS LM-80 [HRS] <sup>3</sup>	DIMMING (YES/NO)	POWER FACTOR	THD (%)	CASE QTY (MASTER)
<b>24"</b>												
S20SS-24LA1-32/40K	20	120-347	4 000	2 620	131	80+	186 000	9 000	YES	0.90	10	9
<b>48"</b>												
S20SS-48LA1-32/40K	30	120-347	4 000	3 960	132	80+	186 000	9 000	YES	0.90	10	9
S20SS-48LA2-32/40K	45	120-347	4 000	5 895	131	80+	186 000	9 000	YES	0.90	10	9
<b>96"</b>												
S20SS-96LA1-32/40K	75	120-347	4 000	9 825	131	80+	186 000	9 000	YES	0.90	10	1
S20SS-96LA2-32/40K	90	120-347	4 000	11 790	131	80+	186 000	9 000	YES	0.90	10	1

<sup>1</sup> Typical color temperature range: +/- 5 %.

<sup>2</sup> Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

<sup>3</sup> Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

## DLC UNIQUE ID TABLE

MODEL NUMBER	DLC PREMIUM UNIQUE ID <sup>1</sup>	DLC STANDARD UNIQUE ID <sup>2</sup>
S20SS-24LA1-32/40K	S-5JLBUH	PLRAINH5SBAT
S20SS-48LA1-32/40K	S-RSDTAI	S-3Y15RV
S20SS-48LA2-32/40K	S-2DZSHL	S-LGKAR9
S20SS-96LA1-32/40K	S-DEJKAX	S-5LYQV4
S20SS-96LA2-32/40K	S-3VWPTN	S-Z659L2

<sup>1</sup> Primary Use Designation: Stairwell and Passageway Luminaires

<sup>2</sup> Primary Use Designation: Direct Linear Ambient Luminaires

## ACCESSORIES (ORDER SEPARATELY)

PART NUMBER	TYPE
HAR766-A	V-HOOKS (SET OF 2)
BKT347-A	SUSPENSION KIT - 2 CHAINS (1 METRE) <sup>1</sup>
KIT-STRIPS-AC10	10' AVIATION CABLE KIT WITH CANOPY, POWER CORD & DIMMING WIRES
OSI-EFSDIRE	EXTERNAL MOUNT PIR MOTION SENSOR (120-277 V ONLY)
OSI-RM51	REMOTE CONTROL FOR PIR MOTION SENSOR
WGD906-2FT-KIT	WIREGUARD KIT 24"
WGD906-4FT-KIT	WIREGUARD KIT 48"
WGD906-8FT-KIT	WIREGUARD KIT 96"
BKT902-WH	CONTINUOUS ROW MOUNTING CONNECTOR
LEN358-2	REPLACEMENT LENS 24"
LEN358-4	REPLACEMENT LENS 48"
LEN358-8	REPLACEMENT LENS 96"

<sup>1</sup> Must be used in conjunction with HAR766-A.

## COMPATIBLE DIMMERS

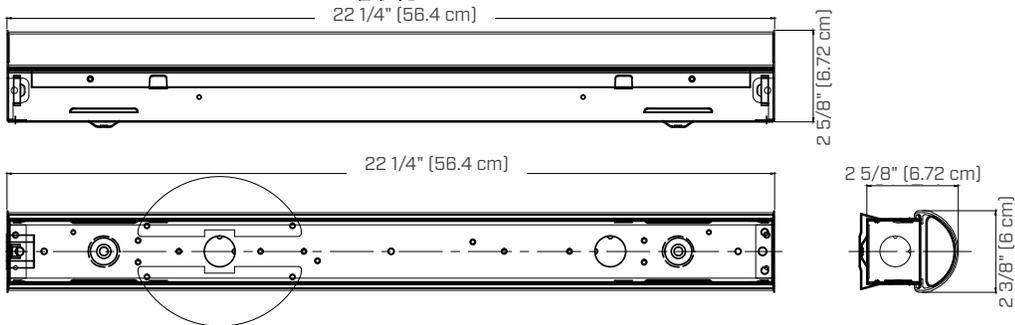
BRAND	MODEL
LEVITON	ILLUMATECH IP710-LFZ, ILLUMATECH IP710-DLZ, ILLUMATECH IP710-DOZ, DECORA DS710-10Z
LUTRON	NOVA T NTSTV-DV, NOVA NFTV, DIVA DVTV-WH
LEGRAND	RH4FBL3PW

Dimming range: 10%-100%

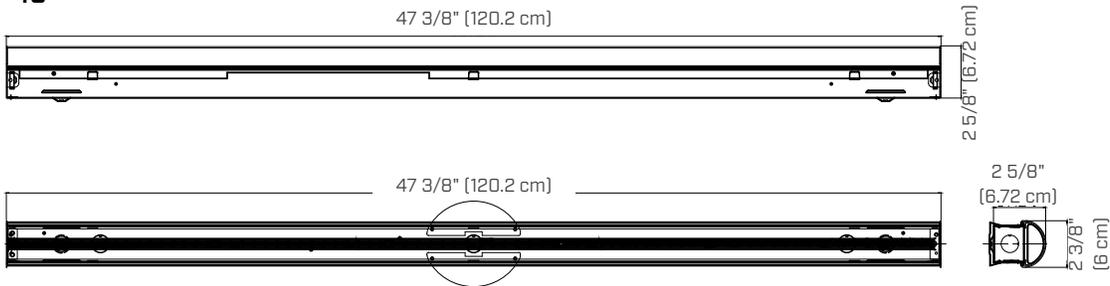
<sup>1</sup> This table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read and comply to the dimmer installation instructions. Consult dimming system manufacturer for additional support in operation. Some dimmers may require more than one product for stable operation. AimLite recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation.

## DIMENSIONS

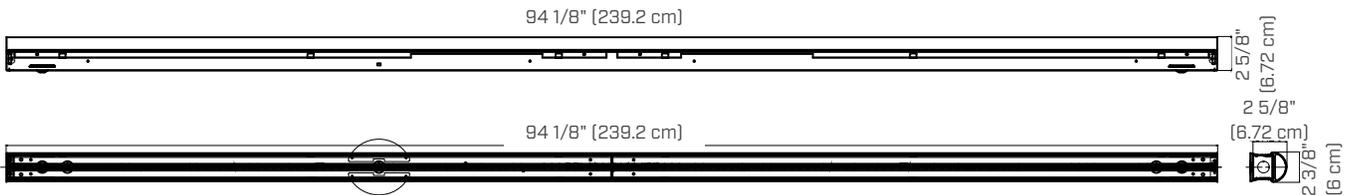
24"



48"



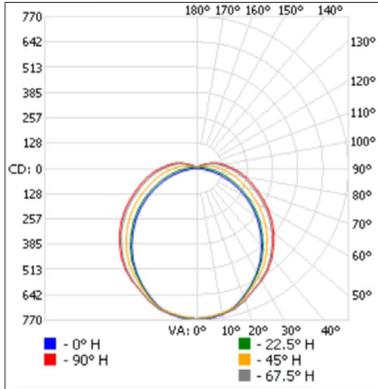
96"



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

### S20SS-24LA1-32/40K - 2 618.3 LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	586.3	22.4
0-40	959.1	36.6
0-60	1 714.0	65.5
60-90	683.0	26.1
70-100	478.8	18.3
90-120	186.5	7.1
0-90	2 397.0	91.5
90-180	221.3	8.5
0-180	2 618.3	100

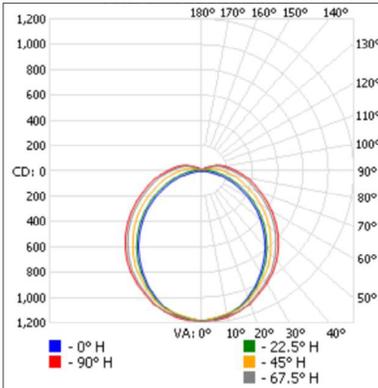
#### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	264	4.3'	6.9'
3.3'	70.0	8.4'	13.4'
5.0'	30.5	12.7'	20.3'
6.7'	17.0	17.1'	27.2'
8.3'	11.1	21.1'	33.7'
10.0'	7.62	25.5'	40.6'

■ Vert. Spread: 103.7° ■ Hor. Spread: 127.5°

### S20SS-48LA1-32/40K - 3 966.2 LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	907.1	22.9
0-40	1 480.1	37.3
0-60	2 629.7	66.3
60-90	1 016.5	25.6
70-100	706.0	17.8
90-120	269.9	6.8
0-90	3 646.1	91.9
90-180	320.1	8.1
0-180	3 966.2	100

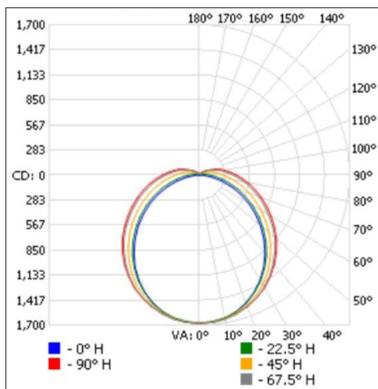
#### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	410	4.2'	6.8'
3.3'	109	8.2'	13.1'
5.0'	47.4	12.5'	19.9'
6.7'	26.4	16.7'	26.7'
8.3'	17.2	20.7'	33.0'
10.0'	11.8	24.9'	39.8'

■ Vert. Spread: 102.5° ■ Hor. Spread: 126.7°

### S20SS-48LA2-32/40K - 5 898.0 LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 305.9	22.1
0-40	2 142.3	36.3
0-60	3 836.6	65
60-90	1 541.8	26.1
70-100	1 075.7	18.2
90-120	426.3	7.2
0-90	5 378.3	91.2
90-180	519.7	8.8
0-180	5 898.0	100

#### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	580 fc	4.4'	7.3'
3.3'	154 fc	8.6'	14.3'
5.0'	67.1 fc	13.1'	21.6'
6.7'	37.3 fc	17.5'	28.9'
8.3'	24.3 fc	21.7'	35.8'
10.0'	16.8 fc	26.2'	43.2'

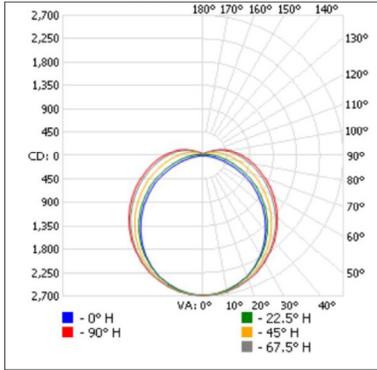
■ Vert. Spread: 105.2° ■ Hor. Spread: 130.3°

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

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

**S20SS-96LA1-32/40K • 9 843.0 LM**

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	2 094.3	21.3
0-40	3 445.7	35
0-60	6 234.6	63.3
60-90	2 642.2	26.8
70-100	1 884.8	19.1
90-120	785.2	8
0-90	8 876.8	90.2
90-180	966.2	9.8
0-180	9 843.0	100

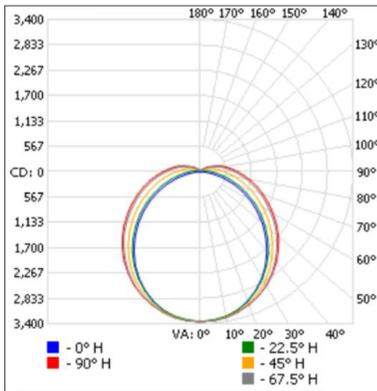
### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH
1.7'	929	
3.3'	247	8.9' 16.2'
5.0'	107	13.5' 24.5'
6.7'	59.8	18.1' 32.8'
8.3'	39.0	22.4' 40.7'
10.0'	26.8	27.0' 49.0'

■ Vert. Spread: 107.0° ■ Hor. Spread: 135.6°

**S20SS-96LA2-32/40K - 11 780.1 LM**

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	2 608.2	22.1
0-40	4 278.8	36.3
0-60	7 662.8	65
60-90	3 079.3	26.1
70-100	2 148.5	18.2
90-120	851.5	7.2
0-90	10 742.1	91.2
90-180	1 038.0	8.8
0-180	11 780.1	100

### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH
1.7'	1 159	
3.3'	307	8.6' 14.3'
5.0'	134	13.1' 21.6'
6.7'	74.6	17.5' 28.9'
8.3'	48.6	21.7' 35.8'
10.0'	33.5	26.2' 43.2'

■ Vert. Spread: 105.2° ■ Hor. Spread: 130.3°

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