



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 AND SPECIFICATIONS

CONSTRUCTION

Housing & finishing

- Slim housing ideal for restricted areas
- White powder painted steel
- Acrylic frosted lens

Mounting

- Surface (standard) and suspended possible (see accessories)
- Easy to install with the brackets at both ends

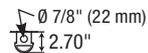
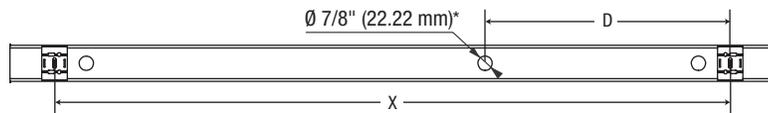
TECHNICAL SPECIFICATIONS

- Long life LEDs that provide 80+ CRI are available in 4000K colour temperature
- 0-10V dimming standard
- Canopy plate for octagonal junction box is included (field installable)
- Estimated lifespan of over 36,000 hours to L70
- Ambient temperature: -20° - +50°
- Suitable for damp location

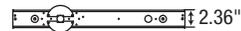
COMPLIANCES

- Meets requirements of ICES-005
- DLC Premium
- cULus

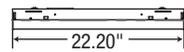
DIMENSIONS



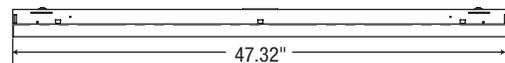
* Ø 7/8" (22 mm) for all available knockouts. Knockout on end cap is the same on both side.



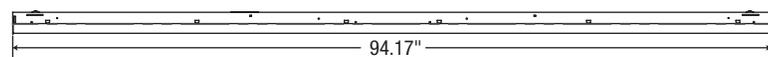
2' **



4'



8' **



** Knockout and canopy plate for the 2ft and the 8ft fixture are not centered.

Project: _____
 Type: _____
 Catalogue #: _____
 Drawn by: _____
 Date: _____



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.

OVERVIEW

Light source	LED
Wattage	20W - 90W
Lumens	2620lm - 11,880lm
lm/W	128lm/W - 132lm/W
Colour temperature	4000K
CRI	80+
Weight	1.88lbs, 3.75lbs, 7.50lbs

QUICK SHIP ORDERING GUIDE *

Part number	Size	Lumens	Wattage	LM/W	Voltage	Colour temperature
S20SS-24LA1-2/40K	2'	2620lm	20W	131lm/W	120-277V	4000K
S20SS-48LA1-2/40K	4'	3900lm	30W	130lm/W	120-277V	4000K
S20SS-48LA2-2/40K	4'	5888lm	46W	128lm/W	120-277V	4000K
S20SS-96LA1-2/40K	8'	9750lm	75W	130lm/W	120-277V	4000K
S20SS-96LA2-2/40K	8'	11,880lm	90W	132lm/W	120-277V	4000K

* **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.

LUMEN AND SPECIFICATION CHART

General specifications										Lumen maintenance		
Package	Input voltage (V)	LED current (mA)	System power (W)	Lumens	LM/W	CCT	CRI	PF	THD	Reported L70	Calculated TM21	LM80 @ (Hrs)
S20SS-24LA1-2/40K	120-277V	163-75mA	20W	2620lm	131lm/W	4000K	82	0.9	10%	>36,000	120,000	6000
S20SS-48LA1-2/40K	120-277V	330-145mA	30W	3900lm	130lm/W	4000K	82	0.9	10%	>36,000	120,000	6000
S20SS-48LA2-2/40K	120-277V	375-164mA	46W	5888lm	128lm/W	4000K	82	0.9	10%	>36,000	120,000	6000
S20SS-96LA1-2/40K	120-277V	643-277mA	75W	9750lm	130lm/W	4000K	82	0.9	10%	>36,000	120,000	6000
S20SS-96LA2-2/40K	120-277V	738-323mA	90W	11,880lm	132lm/W	4000K	82	0.9	10%	>36,000	120,000	6000

TM21 TABLE

Time (t) at which to estimate lumen maintenance (hours)	120,000
Lumen maintenance at time (t) (%)	70.48%
Calculated L70 (hours)	120,000
Reported L70 (hours)	>36,000

ACCESSORIES (ORDER SEPARATELY)

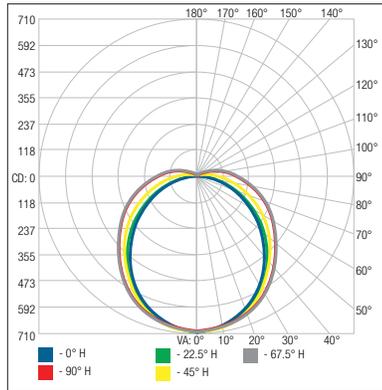
VHOOK-SSS-KIT	V-hook kit
AC-SSS-KIT	Aviation cable kit
HAR684	Push-in metal plug 7/8in

Comments

PHOTOMETRIC DATA

S20SS-24LA1-2-40K • 2446.6lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	542.1	22.2%
0-40	888.7	36.3%
0-60	1594.6	65.2%
60-90	651.1	26.6%
70-100	458	18.7%
90-120	174.6	7.1%
0-90	2245.7	91.8%
90-180	200.9	8.2%
0-180	2446.6	100%

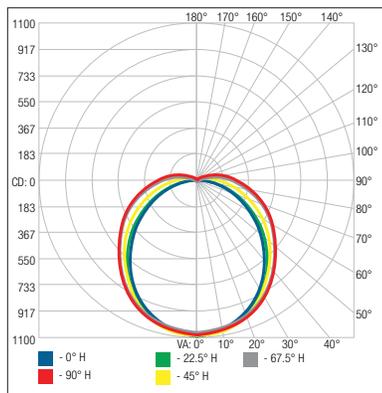
Illuminance at a distance

Center beam fc	Beam width
1.7'	243 fc
3.3'	64.6 fc
5.0'	28.1 fc
6.7'	15.7 fc
8.3'	10.2 fc
10.0'	7.03 fc

Beam width	Vert. spread	Horiz. spread
4.5'	106.1°	130.5°
7.4'		
8.8'		
14.3'		
13.3'		
21.7'		
17.8'		
29.0'		
22.1'		
36.0'		
26.6'		
43.3'		

S20SS-48LA1-2-40K • 3610.8lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	789.2	21.9%
0-40	1295.4	35.9%
0-60	2330.0	64.5%
60-90	958.4	26.5%
70-100	675	18.7%
90-120	268.5	7.4%
0-90	3288.4	91.1%
90-180	322.3	8.9%
0-180	3610.8	100%

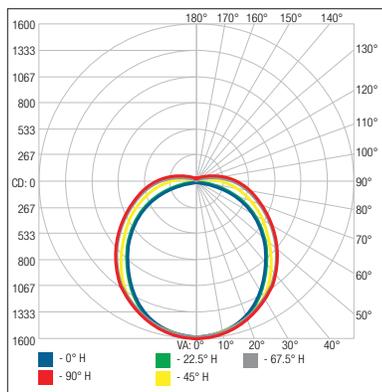
Illuminance at a distance

Center beam fc	Beam width
1.7'	353 fc
3.3'	93.8 fc
5.0'	40.8 fc
6.7'	22.7 fc
8.3'	14.8 fc
10.0'	10.2 fc

Beam width	Vert. spread	Horiz. spread
4.6'	106.6°	131.6°
7.6'		
8.9'		
14.7'		
13.4'		
22.3'		
18.0'		
29.8'		
22.3'		
37.0'		
26.9'		
44.5'		

S20SS-48LA2-2-40K • 5662.3lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1238.8	21.9%
0-40	2032.6	35.9%
0-60	3656.0	64.6%
60-90	1504.3	26.6%
70-100	1058.3	18.7%
90-120	418.7	7.4%
0-90	5160.3	91.1%
90-180	502.1	8.9%
0-180	5662.3	100%

Illuminance at a distance

Center beam fc	Beam width
1.7'	553 fc
3.3'	147 fc
5.0'	64.0 fc
6.7'	35.6 fc
8.3'	23.2 fc
10.0'	16.0 fc

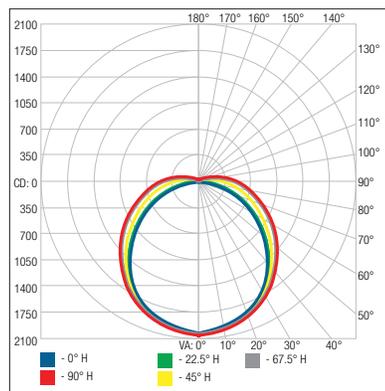
Beam width	Vert. spread	Horiz. spread
4.6'	107.0°	131.2°
7.5'		
8.9'		
14.5'		
13.5'		
22.0'		
18.1'		
29.5'		
22.5'		
36.6'		
27.0'		
44.1'		



PHOTOMETRIC DATA (cont'd)

S20SS-96LA1-2-40K • 9568.5lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	2091.5	21.9%
0-40	3432.7	35.9%
0-60	6174.4	64.5%
60-90	2539.9	26.5%
70-100	1788.7	18.7%
90-120	711.6	7.4%
0-90	8714.3	91.1%
90-180	854.2	8.9%
0-180	9568.5	100%

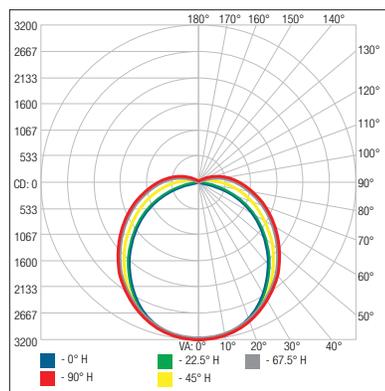
Illuminance at a distance

Center beam fc	Beam width	
1.7'	936 fc	4.6' 7.6'
3.3'	248 fc	8.9' 14.7'
5.0'	108 fc	13.4' 22.3'
6.7'	60.3 fc	18.0' 29.8'
8.3'	39.3 fc	22.3' 37.0'
10.0'	27.1 fc	26.9' 44.5'

■ Vert. spread: 106.6°
■ Horiz. spread: 131.6°

S20SS-96LA2-2-40K • 11,324.7lm

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°
■ Horiz. spread: 131.2°

All products are subject to change or may be discontinued any time without notice.