AimLite

S20SQ
LED SLIM STRIP
3 CCT SELECTABLE
MODERN SQUARE LENS DESIGN

The S20SQ 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 sleek and modern square lens design, the S20SQ series is the ideal choice for commercial, industrial, and retail applications.

FEATURES & SPECIFICATIONS

CONSTRUCTION

Physical Characteristics
- Sleek and compact design ideal for installation in tight spaces
- 24 gauge white powder painted steel
- Frosted PMMA lens
- CCT Selectable switch placed discretely inside the housing

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

PERFORMANCE DATA
- Available in 3 500/4 000/ 5 000 K selectable 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			
LIGHT SOURCE	LED	**EFFICACY (LM/W)**	133
WATTS (W)	45, 90	**COLOR TEMPERATURE (K)**	3 500/4 000/5 000
LUMEN OUTPUT (LM)	5 985, 11 970	**CRI**	80+

WARRANTY 5 YEAR WARRANTY · CCT+ 3CCT SELECTABLE · QUICKSHIP · LED · DIMMABLE · DAMP LOCATION · ICES 005

UL CERTIFIED · FC · 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.

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][1]	LUMEN OUTPUT [LM][2]	EFFICACY [LM/W]	CRI	LIFE L70 [HRS][3]	TESTED HOURS LM-80 [HRS][3]	DIMMING [YES/NO]	POWER FACTOR	THD [%]	CASE QTY [MASTER]
48"												
S20SQ-48LA2-32/3C	45	120-347	3 500/4 000/5 000	5 985	133	80+	186 000	9 000	YES	0.90	10	9
96"												
S20SQ-96LA2-32/3C	90	120-347	3 500/4 000/5 000	11 970	133	80+	186 000	9 000	YES	0.90	10	1

[1] Typical color temperature range: +/- 5 %.
[2] Lumen values are derived from DLC reported data at 3 500 K. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures.
[3] Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

LUMEN SPECIFICATION TABLE

PART NUMBER	3 500 K		4 000 K		5 000 K	
	LUMEN OUTPUT [LM]	EFFICACY [LM/W]	LUMEN OUTPUT [LM]	EFFICACY [LM/W]	LUMEN OUTPUT [LM]	EFFICACY [LM/W]
S20SQ-48LA2-32/3C	5 985	133	6 030	134	6 075	135
S20SQ-96LA2-32/3C	11 970	133	12 060	134	12 150	135

DEFAULT PROGRAMMING
4 000 K

DLC UNIQUE ID TABLE

Part Number	DLC Premium Unique ID[1]	DLC Standard Unique ID[2]
S20SQ-48LA2-32/3C	S-DU18WM	S-XLJSIF
S20SQ-96LA2-32/3C	S-KYEU1L	S-AXH1J0

[1] Primary Use Designation: Stairwell And Passageway Luminaires
[2] 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 M)[1]
KIT-STRIPS-AC10	10' AVIATION CABLE KIT WITH CANOPY, POWER CORD & DIMMING WIRES
OSI-EFS01RE	EXTERNAL MOUNT PIR MOTION SENSOR (120-277 V ONLY)
OSI-RM51	REMOTE CONTROL FOR PIR MOTION SENSOR
BKT902-WH	CONTINUOUS ROW MOUNTING CONNECTOR
WGD906-4FT-KIT	WIREGUARD KIT 48"
WGD906-8FT-KIT	WIREGUARD KIT 96"
LEN400-4	REPLACEMENT LENS 48"
LEN400-8	REPLACEMENT LENS 96"

[1] Must be used in conjunction with HAR766-A.

INCLUDED IN THE BOX

MOUNTING BRACKETS

CANOPY PLATE FOR OCTAGONAL JUNCTION BOX

COMPATIBLE DIMMERS[1]

BRAND	MODEL
Leviton	IllumaTech IP710-LFZ
	IllumaTech IP710-DLZ
	IllumaTech IP710-D0Z
	Decora DS710-10Z
Lutron	Nova T NTSTV-DV
	Nova NFTV
	Diva DVTV-WH
Legrand	RH4FBL3PW

Dimming range: 10%-100%

[1]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 AND WEIGHTS
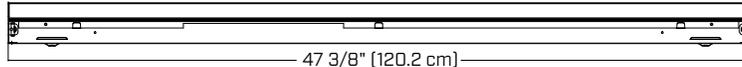
48"

	48"	96"
Net weight (lbs)	3.75	7.50

47 3/8" (120.2 cm)

47 3/8" (120.2 cm)

2 3/8" (6 cm)

2 3/4" (6.87 cm)

2 3/8" (6 cm)

96"

94 1/8" (239.2 cm)

94 1/8" (239.2 cm)

2 3/8" (6 cm)

2 3/4" (6.87 cm)

2 3/8" (6 cm)
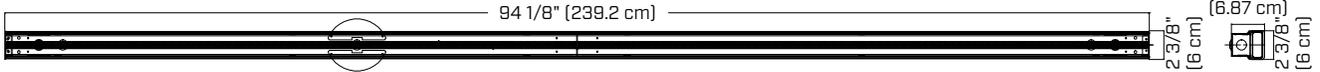
PHOTOMETRIC DATA[1]

S20SQ-48LA2-32/3C · 4 000 K · 6 025.1 LM

POLAR CANDELA DISTRIBUTION

- 0° H
- 90° H
- 22.5° H
- 45° H
- 67.5° H
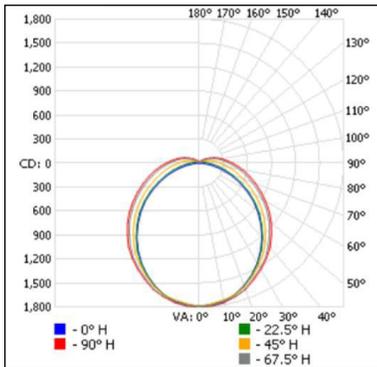
ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 375.2	22.8
0-40	2 244.6	37.3
0-60	3 984.4	66.1
60-90	1 524.1	25.3
70-100	1 056.1	17.5
90-120	424.2	7
0-90	5 508.5	91.4
90-180	516.6	8.6
0-180	6 025.1	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	621		4.4'	6.6'
3.3'	165		8.5'	12.7'
5.0'	71.8		12.9'	19.3'
6.7'	40		17.3'	25.9'
8.3'	26.1		21.4'	32.1'
10.0'	18		25.8'	38.6'

Vert. Spread: 104.4° ■ Hor. Spread: 125.2°

S20SQ-96LA2-32/3C · 4 000 K · 12 050.3 LM

POLAR CANDELA DISTRIBUTION

- 0° H
- 90° H
- 22.5° H
- 45° H
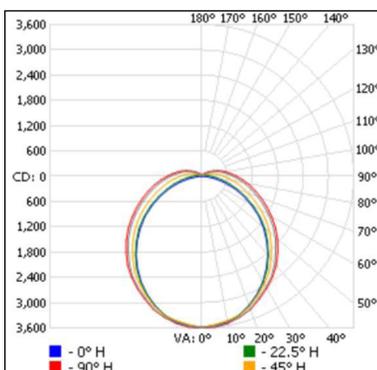
ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	2 750.3	22.8
0-40	4 489,2	37.3
0-60	7 968.9	66.1
60-90	3 048.1	25.3
70-100	2 112.1	17.5
90-120	848.5	7
0-90	11 017.0	91.4
90-180	1 033.3	8.6
0-180	12 050.3	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	1 242		4.4'	6.6'
3.3'	330		8.5'	12.7'
5.0'	144		12.9'	19.3'
6.7'	80		17.3'	25.9'
8.3'	52.1		21.4'	32.1'
10.0'	35.9		25.8'	38.6'

Vert. Spread: 104.4° ■ Hor. Spread: 125.2°

[1] Complete IES files available on our website.

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