

# SQS

## LED SLIM STRIP WITH SQUARE LENS

### 3 CCT AND 3 POWER SELECTABLE

The SQS 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 SQS series is the ideal choice for commercial, industrial, and retail applications.



### FEATURES & SPECIFICATIONS

#### CONSTRUCTION

##### Physical Characteristics

- Slim and compact two-part housing design with tool less entry
- Safety cables placed between lens compartment and housing for easy installation and maintenance
- Transparent end caps installed as standard
- 24 gauge semi-gloss white or matte black powder painted steel
- Frosted PMMA lens
- CCT and Power Select switches are placed discretely inside the housing

##### Mounting













- Surface, suspended or row mounted (see accessories)
- Canopy plate for octagonal junction box 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 156 000 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

- UL listed for Canada and USA 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)	130-155
WATTS [W]	25/30/45 65/75/90	COLOR TEMPERATURE [K]	3 500/4 000/5 000
LUMEN OUTPUT [LM]	3 625-12 600	CRI	80+
<div>        </div> <div>      </div>			

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 ORDERING GUIDE



PART NUMBER	WATTS [W]	VOLTS [V AC]	COLOR TEMP. [K] <sup>1</sup>	LUMEN OUTPUT [LM] <sup>2</sup>	EFFICA- CY [LM/W]	CRI	LIFE L70 [HRS] <sup>3</sup>	TESTED HOURS LM-80 [HRS] <sup>3</sup>	FINISH	DIM- MING [YES/ NO]	POWER FACTOR	THD [%]	MASTER CASE QTY
<b>48" CCT AND POWER SELECTABLE</b>													
SQS-4LP45-32/3C	25/30/45	120-347	3 500/4 000/5 000	4 000/4 650/6 525	145	80+	156 000	10 000	WHITE	YES	0.90	10	9
SQS-4LP45-32/3C-BK	25/30/45	120-347	3 500/4 000/5 000	3 875/4 500/6 300	140	80+	156 000	9 000	BLACK	YES	0.90	10	9
<b>96" CCT AND POWER SELECTABLE</b>													
SQS-8LP90-32/3C	65/75/90	120-347	3 500/4 000/5 000	9 490/10 725/12 600	140	80+	156 000	10 000	WHITE	YES	0.90	10	1
SQS-8LP90-32/3C-BK	65/75/90	120-347	3 500/4 000/5 000	9 620/10 800/12 600	140	80+	156 000	9 000	BLACK	YES	0.90	10	1

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

<sup>2</sup> Lumen values are based on 4 000 K default programming. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures.

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

## DLC UNIQUE ID TABLE

PART NUMBER	DLC PREMIUM UNIQUE ID STAIRWELL	DLC STANDARD UNIQUE ID LINEAR AMBIENT	DLC STANDARD UNIQUE ID LOW / HIGH BAY
SQS-4LP45-32/3C	S-W471Z4	S-HQR291	S-GZYS0B
SQS-4LP45-32/3C-BK	S-X4GX75	S-2T67HC	S-YYJ9S8
SQS-8LP90-32/3C	S-G519ZV	S-FVRN5S	S-CD2W40
SQS-8LP90-32/3C-BK	S-ZLSHWG	S-7YJXF9	S-KD1J3S

## TRANSPARENT END CAPS (STANDARD)

The SQS LED Slim Strips feature unique transparent end caps, which create a seamless and consistent run of light when the luminaires are mounted in a continuous row. For regular installations (non-row mounted), the transparent end caps offer a distinct and pleasant 360° illumination!



## LUMEN SPECIFICATION TABLE

PART NUMBER	WATTS [W]	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]
SQS-4LP45-32/3C	25	3 625	145	4 000	160	3 750	150
	30	4 200	140	4 650	155	4 350	145
	45	5 850	130	6 525	145	6 075	135
SQS-4LP45-32/3C-BK	25	3 625	145	3 875	155	3 750	150
	30	4 200	140	4 500	150	4 350	145
	45	5 850	130	6 300	140	6 075	135
SQS-8LP90-32/3C	65	8 775	135	9 490	146	8 840	136
	75	9 975	133	10 725	143	9 975	133
	90	11 700	130	12 600	140	11 700	130
SQS-8LP90-32/3C-BK	65	8 970	138	9 620	148	8 970	138
	75	10 050	134	10 800	144	10 050	134
	90	11 700	130	12 600	140	11 700	130

### DEFAULT PROGRAMMING

SQS-4LP45-32/3C: 45 W / 4 000 K

SQS-4LP45-32/3C-BK: 45 W / 4 000 K

SQS-8LP90-32/3C: 90 W / 4 000 K

SQS-8LP90-32/3C-BK: 90 W / 4 000 K

## COMPATIBLE DIMMERS<sup>1</sup>

BRAND	MODEL NUMBER
LEVITON	ILLUMATECH IP710-LFZ DECORA DS710-10Z
LUTRON	NOVA T NTSTV-DV NOVA NFTV DIVA DVSTV
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.

## ACCESSORIES (ORDER SEPARATELY)

PART NUMBER	TYPE
BKT940	V-HOOKS (SET OF 2)
BKT347-A	SUSPENSION KIT - 2 CHAINS (1 M) <sup>1</sup>
KIT-STRIPS-AC10-WH	10' COMPLETE AIRCRAFT CABLE KIT WITH 5-WIRE POWER FEED AND 2 CANOPIES - WHITE
KIT-STRIPS-AC10-BK	10' COMPLETE AIRCRAFT CABLE KIT WITH 5-WIRE POWER FEED AND 2 CANOPIES - BLACK
KIT-STRIPSAC10-NCW	10' SINGLE SIDE AIRCRAFT CABLE WITH CANOPY (NON-POWER FEED) - WHITE
KIT-STRIPSAC10-NCB	10' SINGLE SIDE AIRCRAFT CABLE WITH CANOPY (NON-POWER FEED) - BLACK
BKT939-WH	CONTINUOUS ROW MOUNTING CONNECTOR - WHITE
BKT939-BK	CONTINUOUS ROW MOUNTING CONNECTOR - BLACK
WGD916-4FT	WIRE GUARD KIT 48" - WHITE <sup>2</sup>
REF693-4	REFLECTOR WINGS KIT 48" - WHITE <sup>2</sup>
LEN414-4	REPLACEMENT LENS 48"
LEN414-8	REPLACEMENT LENS 96"

<sup>1</sup> Must be used in conjunction with BKT940.

<sup>2</sup> For 96" luminaires, order 2 units.

## INCLUDED IN THE BOX



CANOPY PLATE FOR  
JUNCTION BOX - WHITE



CANOPY PLATE FOR  
JUNCTION BOX - BLACK



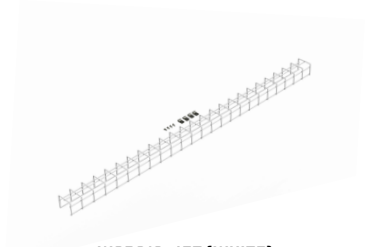
REF693-4 [WHITE]  
REFLECTOR WINGS KIT 48"



BKT940  
V-HOOKS (SET OF 2)



BKT347-A  
SUSPENSION KIT - 2 CHAINS (1 M)



WGD916-4FT [WHITE]  
WIRE GUARD KIT 48"



BKT939-WH [WHITE] / BKT939-BK [BLACK]  
CONTINUOUS ROW MOUNTING  
CONNECTORS



KIT-STRIPS-AC10-WH [WHITE] /  
KIT-STRIPS-AC10-BK [BLACK]  
10' COMPLETE AIRCRAFT CABLE KITS WITH  
5-WIRE POWER FEED AND 2 CANOPIES



KIT-STRIPSAC10-NCW [WHITE] /  
KIT-STRIPSAC10-NCB [BLACK]  
10' SINGLE SIDE AIRCRAFT CABLES  
WITH CANOPY (NON-POWER FEED)



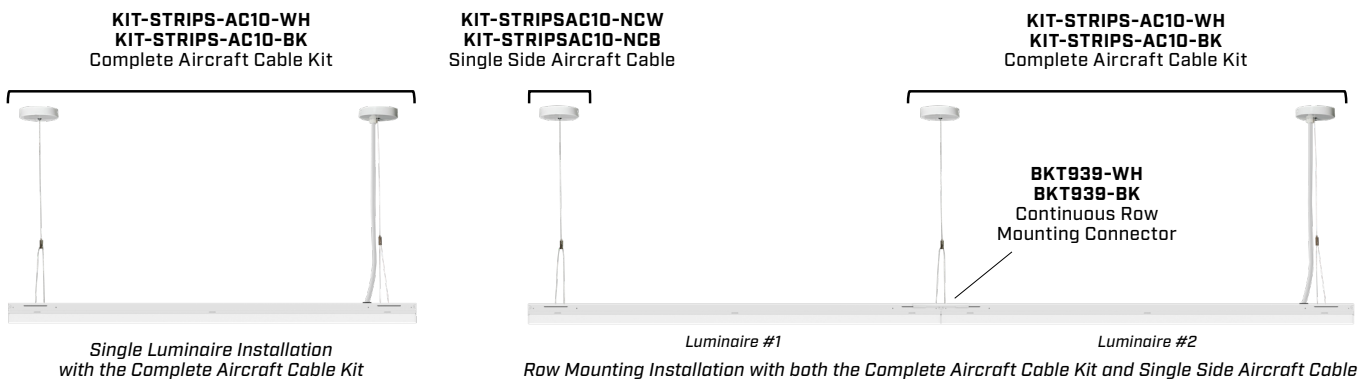
LEN414-4 [48"] / LEN414-8 [96"]  
REPLACEMENT LENSES

## AIRCRAFT CABLE KITS

The aircraft cable kits combine both style and function for a finished look and are offered in two distinct versions.

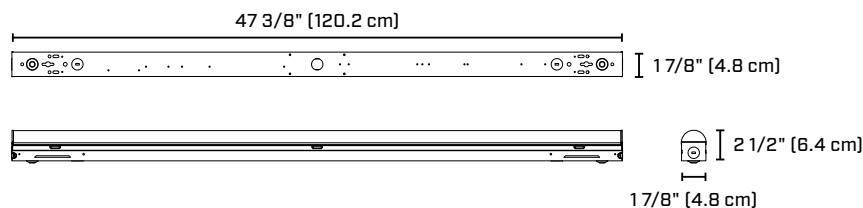
The complete aircraft cable kits [KIT-STRIPS-AC10-WH / KIT-STRIPS-AC10-BK] are an all-in-one solution that includes a set of two 10-foot aircraft cables, a 10-foot 5-wire power cord, two canopies and all necessary installation hardware.

The single side aircraft cables [KIT-STRIPSAC10-NCW / KIT-STRIPSAC10-NCB] are primarily designed for row mounting applications when used with the complete aircraft cable kits, to allow for multiple luminaires to be powered by a single power feed and as support point when joining luminaires together. They may also be used solely for suspension when an alternative power feed is used such as an armoured cable. These kits include a single 10-foot aircraft cable, one canopy and all necessary installation hardware.

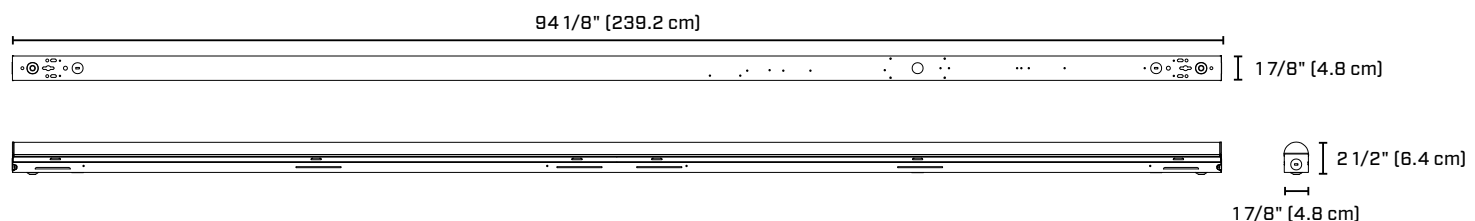


## DIMENSIONS AND WEIGHTS

**48"**



**96"**

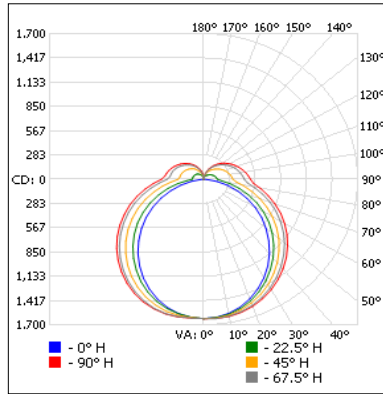


	48"	96"
NET WEIGHT (LBS)	3.64	7.05

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

**SQS-4LP45-32/3C • 45 W • 4 000 K • 6 822.9 LM**

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 291.1	18.9
0-40	2 140.1	31.4
0-60	3 934.3	57.7
60-90	1 706.7	25
70-100	1 236.7	18.1
90-120	760.6	11.1
0-90	5 641.0	82.7
90-180	1 181.9	17.3
0-180	6 822.9	100

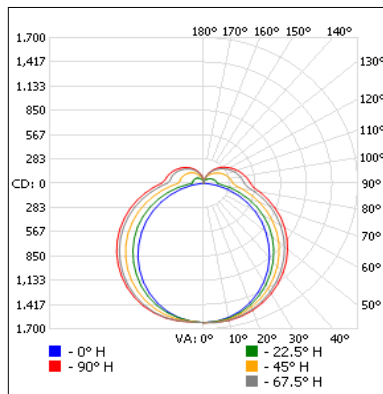
### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0'	406.8	5.7'	12.1'
4.0'	101.7	11.5'	24.1'
6.0'	45.2	17.2'	36.2'
8.0'	25.4	23.0'	48.2'
10.0'	16.3	28.7'	60.3'

■ Vert. Spread: 110.3° ■ Hor. Spread: 143.3°

**SQS-4LP45-32/3C-BK • 45 W • 4 000 K • 6 822.9 LM**

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 291.1	18.9
0-40	2 140.1	31.4
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70-100	1 236.7	18.1
90-120	760.6	11.1
0-90	5 641.0	82.7
90-180	1 181.9	17.3
0-180	6 822.9	100

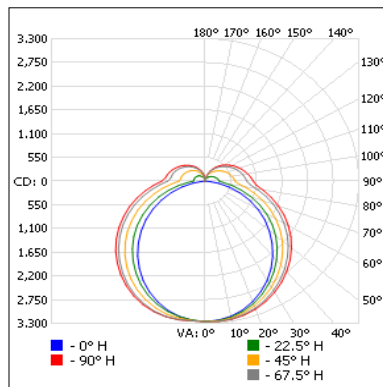
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2.0'	406.8	5.7'	12.1'
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6.0'	45.2	17.2'	36.2'
8.0'	25.4	23.0'	48.2'
10.0'	16.3	28.7'	60.3'

■ Vert. Spread: 110.3° ■ Hor. Spread: 143.3°

**SQS-8LP90-32/3 • 45 W • 4 000 K • 6 822.9 LM**

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	2 582.3	18.9
0-40	4 280.2	31.4
0-60	7 868.6	57.7
60-90	3 413.4	25
70-100	2 473.5	18.1
90-120	1 521.1	11.1
0-90	11 282.0	82.7
90-180	2 363.8	17.3
0-180	13 645.8	100

### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0'	813.6	5.7'	12.1'
4.0'	203.4	11.5'	24.1'
6.0'	90.4	17.2'	36.2'
8.0'	50.9	23.0'	48.2'
10.0'	32.5	28.7'	62.3'

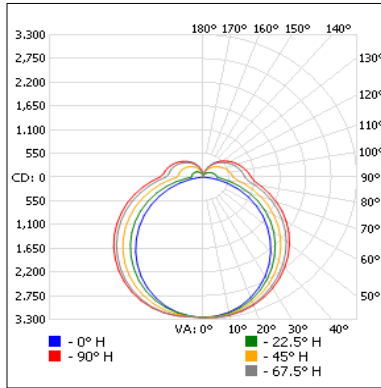
■ Vert. Spread: 110.3° ■ Hor. Spread: 143.3°

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

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

SQS-8LP90-32/3C-BK • 90 W • 4 000 K • 13 645.8 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	2 582.3	18.9
0-40	4 280.2	31.4
0-60	7 868.6	57.7
60-90	3 413.4	25
70-100	2 473.5	18.1
90-120	1 521.1	11.1
0-90	11 282.0	82.7
90-180	2 363.8	17.3
0-180	13 645.8	100

### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0'	813.6	5.7'	12.1'
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8.0'	50.9	23.0'	48.2'
10.0'	32.5	28.7'	62.3'

■ Vert. Spread: 110.3° 
 ■ Hor. Spread: 143.3°

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