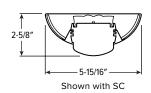
# SIA1 LED Suspended Indirect Architectural – Backlit







CATALOG #:			
Туре:			
7.			
PROJECT:	 	 	



#### **FEATURES**

- Attractive, architectural details are captured in this compact suspended LED luminaire
- Backlit frosted acrylic side panels combined with perforated design elements create a dramatic presence
- Precision uplight optics provide soft, uniform indirect illumination
- Designed for stand-alone and continuous row-mount applications
- Made Right Here® in the USA

#### **SPECIFICATIONS**

- HOUSING Extruded aluminum with milled aluminum end caps.
- SHIELDING Extruded frosted acrylic uplight lens with diffuse acrylic side
- FINISH Textured matte white polyester TGIC powder coat bonded to phosphatefree, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- ELECTRICAL High-quality mid-power LED boards. L70 >72,000 hours per IES TM-21. See fixture performance data for lumen maintenance.
- MOUNTING Suspended. 1/16" diameter adjustable steel leveling aircraft cable and mounting hardware necessary for grid or hard ceiling applications provided.
- LISTINGS
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - RoHS compliant.
  - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- WARRANTY 5-year limited warranty, see hew.com/warranty.

#### ORDERING EXAMPLE: SIA1 - SC - 4 - L20/835 - AC/D48 - OPTIONS - CONTROL/DRV - UNV

#### **ORDERING INFO**

SERIES	FIXTURE STYLE	NOMINAL LENGTH	LUMENS [1]	CRI	CCT
SIA1	RD Round SC Scoop SQ Square	Stand-alone: 4' & 8' nominal lengths, fixture ships assembled. Example: 4 = 4' Row-mount: Lengths specified in 4' increments Example: 12 = 12' Product Builder Simplify ordering & layout design with the Williams Linear Product Builder at hew.com	L10 1,000lm L15 1,500lm L20 2,000lm	8 80 9 90 <sup>[2]</sup>	27 2700K 30 3000K 35 3500K 40 4000K 50 5000K

**MOUNTING OPTIONS** 

AIRCRAFT CABLES (EXAMPLE: AC/D48) [3] Prefix Type Length AC/ Aircraft D 1" grid & hardpan **24** 24" **N** 9/16" grid **48** 48"

**96** 96" S Slot grid

See page 3 for FINISH OPTIONS.

EM/10WRM Remote mount 10-watt emergency battery [4] Additional lower lumen packages available Example: 1,600 lumens = SIA1-SC-4-L20/835-(L16) [5]

CONTROL DRIVER [6]

None **DIM** Dimming driver **DRV** Non-dimming driver See page 4 for Additional Control Options. [7]

VOLTAGE 120 120V 277 277V **UNV** 120-277V **347** 347V [8]

#### **NOTES**

- Lumens per foot output based on 80 CRI/3500K CCT. Actual performance may vary +/-5%, See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see
- Extended lead times may apply. Consult factory for availability. See page 3 for MOUNTING DETAILS.
- 4' sections only. Requires remote mounted LED driver, provided with remote mounting enclosure for installation in ceiling above fixture. Separate power and control wiring to remote box required. Consult factory for specifications; not available with OCC sensor. See page 3 for MOUNTING DETAILS.
- (L8) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- See page 4 for ADDITIONAL DRIVER OPTIONS. See page 3 for SENSOR PLACEMENT DETAILS. Not available with EM batteries.

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#### FIXTURE PERFORMANCE DATA

	LED PACKAGE DELIVERED LUMENS	WATTACE	FFFICACY (I (IV)	LUMEN MAINTENANCE [1]				
	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (Im/W)	L70	L80	L85	L90
	L10	3922	31.5	125	>72000	>72000	>72000	50000
4'	L15	5882	47.9	123	>72000	>72000	58000	36000
	L20	7843	64.2	122	>72000	>72000	58000	36000
	L10	7844	63.0	125	>72000	>72000	>72000	50000
8'	L15	11766	95.8	123	>72000	>72000	58000	36000
	L20	15686	128.3	122	>72000	>72000	58000	36000

- Predicted lumen maintenance calculated in accordance with IES TM-21 per Energy Star (R) TM-21 Calculator rev. 02.08.16.
- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/3500K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.

  To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.

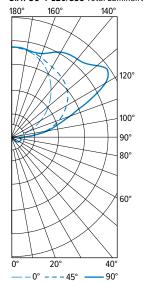
#### **MULTIPLIER TABLE**

	COLOR TEMPERATURE		
	CCT	CONVERSION FACTOR	
	2700K	0.97	
=	3000K	0.99	
80 CRI	3500K	1.00	
œ	4000K	1.03	
	5000K	1.06	

	2700K	0.80
=	3000K	0.82
90 CRI	3500K	0.83
6	4000K	0.86
	5000K	0.89

#### **PHOTOMETRY**

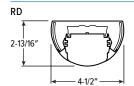
SIA1-SC-4-L20/835 Total Luminaire Output: 7843 lumens; 64.2 Watts | Efficacy: 122 lm/W | 80 CRI; 3500K CCT

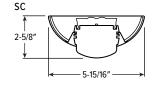


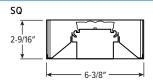
	VERTICAL ANGLE	HO	RIZONTAL AND	GLE	ZONAL LUMENC
	VERTICAL ANGLE	0°	45°	90°	ZONAL LUMENS
	0	31	31	31	
	5	26	29	29	3
	15	26	37	44	10
	25	22	42	66	21
	35	22	59	97	38
S	45	22	75	136	61
5	55	22	95	173	84
CANDLEPOWER DISTRIBUTION	65	20	99	191	100
S	75	11	97	187	102
곮	85	9	88	171	115
M	90	0	176	250	
Ĭ.	95	55	428	474	366
ᅙ	105	259	876	993	775
S	115	514	1200	1821	1190
	125	778	1367	2450	1337
	135	1044	1525	2186	1209
	145	1285	1582	2026	1021
	155	1516	1604	1832	763
	165	1665	1701	1716	481
	175	1757	1775	1758	168
	180	1775	1775	1775	

	ZONE	LUMENS	% FIXTURE
≿	0 - 30	34	0
Ā	0 - 40	72	1
₹	0 - 60	217	3
S	0 - 90	534	7
LUMEN SUMMARY	90 - 120	2331	30
⇉	90 - 150	5897	75
	90 - 180	7309	93
	0 - 180	7843	100

#### **CROSS SECTIONS**







### **FIXTURE STYLES**







#### **MOUNTING DETAILS**

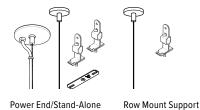
Stand-Alone Unit

# **BACKVIEW**

**Row-Mounted Units** 

NOMINAL LENGTH	Α	В	С
4′	46-1/8"	46-1/4"	47-1/16"
8′	93-3/16"	93-1/4"	94-1/8"

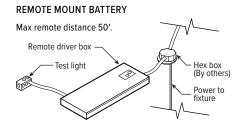
#### STANDARD HARDWARE (Grid and Hardpan)



• Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify. Electrical supply is brought into the feeder fixture,

either as part of a row or as a stand-alone unit. Joiner fixtures complete the row.

The feeder kits are standard with a 5" canopy to cover the junction box and a 2" canopy at the non-feed point. No J-box is required at non-feed points.



## **FINISH OPTIONS**



For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

#### **SENSOR PLACEMENT DETAILS**



SEE NEXT PAGE FOR CONTROL DETAILS.

#### ADDITIONAL CONTROL OPTIONS

OCCWS-FSP-311-L\_-120/277 Wattstopper PIR motion and daylight sensor, 120/277. Must specify lens: L2, L3, or L7. Factory installed. OCCWS-FSP-211-L\_-120/277 Wattstopper PIR motion and daylight sensor, 120/277. Must specify lens: L2, L3, or L7. Factory installed. FSIR-100 Remote controller for 211 sensor. Please specify quantity required per project. Ordered and shipped separately.

#### **SPECIFICATIONS** TYPE PIR Motion + Daylight MOUNTING HEIGHT 8' - 40' **DETECTION ANGLE** 360°

TEMPERATURE RANGE -40° to 75°C

311 Sensor: App (iOS or Android) 211 Sensor: FSIR-100 Remote COMMISSIONING

#### SENSOR COVERAGE PATTERNS

L2 8' height: ø48' coverage

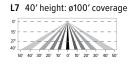




L3 20' height: ø40' coverage









#### SENSOR DETAIL



Dimensions L2/L3: ø2-3/8" | L7: ø3-1/4"

#### ADDITIONAL DRIVER OPTIONS

Note: Lumen restrictions apply, consult product builder at hew.com/product-builder.

CATALOG NUMBER	DESCRIPTION	
DRV	DRV Driver prewired for non-dimming applications	
DIM	Dimming driver prewired for 0-10V low voltage applications	
DIM1	1% dimming driver prewired for 0-10V low voltage applications	
DIM LINE Line voltage dimming driver (TRIAC and ELV compatible, 120V only)		
DIM TRC Line voltage dimming driver (TRIAC compatible, 120V only)		
SD40 40% step-dimming driver		
SD50 50% step-dimming driver		
DALI DALI dimming driver		
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver	