

CATALOG #: _____

Type: _____

PROJECT: _____

FEATURES

- Quickly upgrade existing fluorescent strips to energy-saving LED
- Simple, toolless installation
- Fits any 3" - 5-1/4" wide existing strip housing
- Four distinct styles enhance any space
- Diffuse acrylic lens on SRKR and SRKS enhances uniformity and minimizes glare
- SRKA features innovative aisle optic for even illumination from floor to ceiling
- Heavy duty C.R.S. construction
- Wireless in-fixture control solutions available
- Made Right Here® in the USA



SPECIFICATIONS

- HOUSING** – Provided by others, must be 3" - 5-1/4" wide.
- WIREWAY COVER** – 22-gauge die-formed C.R.S.
- FINISH** – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, 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 >50,000 hours.
- MOUNTING** – Toolless mounting brackets attach to existing strip channels from 3" to 5-1/4" wide.
- LISTINGS** –
 - cCSAus classified as luminaire suitable for dry or damp locations.
 - 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.

Note: H.E. Williams, Inc. recommends installing a trial fixture prior to ordering full project quantities.

ORDERING EXAMPLE: SRK - M 8 - L140/840 - OPTIONS - CONTROL/DRV - UNV

ORDERING INFO

SERIES ^[1]	WIDTH	LENGTH	LUMENS ^[2]	CRI	CCT
SRK Standard	N Narrow, 3" – 3-3/4"	4 4'	4'	8 80	30 3000K
SRKR Round Lens	M Medium, >3-3/4" – 4-1/2"	8 8' ^[3]	L31 3,100lm	9 90 ^[4]	35 3500K
SRKS Square Lens	W Wide, >4-1/2" – 5-1/4"		L52 5,200lm		40 4000K
SRKA Aisle Optics			L70 7,000lm		50 5000K
			8'		
			L63 6,300lm		
			L104 10,400lm		
			L140 14,000lm		

OPTIONS ^[5]

- EM/10WLP** Low-profile 10-watt emergency battery
(L___) Additional lower lumen packages available
Example: 9,000 lumens = SRK-8-L104/840-(L90) ^[7]
- (H___)** Additional housing heights available, must specify:
25 >2-1/4" – 2-3/4"
30 >2-3/4" – 3-1/4"
35 >3-1/4" – 3-3/4"

CONTROL ^[6]

- None
- AVI-LVFA** Avi-on wireless fixture control ^[8]
- AVI-LVFA-PIR** Avi-on wireless fixture control with PIR motion and daylight sensor, bottom mount ^[9]
- AWN** Lutron Athena wireless node integral fixture control, RF only ^[10]

DRIVER

See page 4 for **ADDITIONAL DRIVER OPTIONS**.

- DIM** Driver with external dimming wires
- DRV** Driver without external dimming wires
- DA** Driver with 12V auxiliary power, without external dimming wires ^[11]
- DSR** Sensor-ready driver without external dimming wires (D4i DALI-2) ^[12]

VOLTAGE

120 120V

277 277V

UNV 120-277V

347 347V ^[13]

RETROFIT GUIDE

All assuming standard F032 T8 lamping and 0.88 ballast factor, instant start T8 ballast.

FLUORESCENT	WATTAGE	LED	WATTAGE	SAVINGS
1 - 32W T8	30	SRK-4-L31	21	30%
2 - 32W T8	59	SRK-4-L52	34	42%
3 - 32W T8	85	SRK-4-L70	47	45%
2 - 32W T8	59	SRK-8-L63	43	28%
3 - 32W T8	112	SRK-8-L104	70	38%
4 - 32W T8	171	SRK-8-L140	94	45%

NOTES

- Fixture relies on existing housing and end plates, by others.
- Lumen output based on 80 CRI/4000K CCT. Actual lumens may vary +/-5%. See page 2 for **FIXTURE PERFORMANCE DATA**. Additional LED lumen packages available, see options.
- Two 4' wireway covers. SRKR and SRKS ships with (2) 4' lenses.
- Extended lead times may apply. Consult factory for availability.
- See page 1 for **OCCUPANCY SENSOR DETAILS**.
- See page 5 for **AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS**. See page 4 for **SENSOR & NODE PLACEMENT DETAILS**.
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- DA Driver only.
- DA Driver only.
- DA and DSR Drivers only.
- Avi-on and Lutron Athena Controls only.
- Lutron Athena Controls only.
- Not available with EM batteries, DA, or DSR drivers.



FIXTURE PERFORMANCE DATA

SRK				
	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
4'	L31	3116	21.4	146
	L52	5179	33.7	154
	L70	7015	47.2	149
8'	L63	6358	42.5	150
	L104	10358	67.4	154
	L140	14031	94.3	149
SRKR/SRKS ¹				
4'	L31	2954	20.2	146
	L52	4816	33.7	143
	L70	6536	47.1	139
8'	L63	6231	40.1	155
	L104	9632	67.4	143
	L140	13072	94.2	139
SRKA				
4'	L31	2922	20.2	145
	L52	4764	33.7	141
	L70	6441	47.2	136
8'	L63	5849	42.5	138
	L104	9529	67.4	141
	L140	12822	94.4	136

MULTIPLIER TABLE

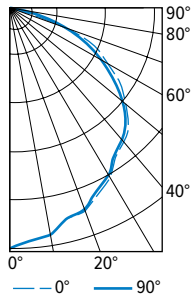
COLOR TEMPERATURE		
	CCT	CONVERSION FACTOR
80 CRI	2700K	0.94
	3000K	0.96
	3500K	0.97
	4000K	1.00
	5000K	1.03
90 CRI	2700K	0.77
	3000K	0.79
	3500K	0.80
	4000K	0.83
	5000K	0.86

¹ SRKS shown

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 4000K, 80 CRI, actual lumens may vary +/-5%
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.

PHOTOMETRY

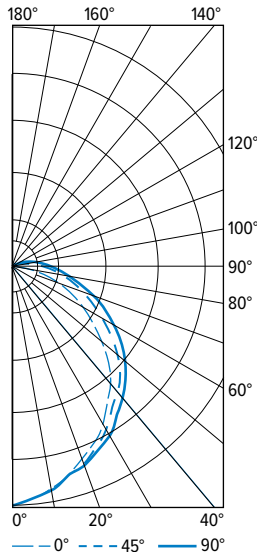
SRK-M8-L140/840-DRV-UNV Report #: 19999.0; 08/08/17 | Total Luminaire Output: 14031 lumens; 94.3 Watts | Efficacy: 148.8 lm/W | 80 CRI; 4000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	4947	4947	4947	
5	4814	4814	4812	459
15	4506	4495	4484	1275
25	4211	4193	4174	1941
35	3774	3735	3705	2348
45	3398	3342	3318	2595
55	2745	2695	2645	2417
65	1939	1876	1798	1859
75	951	890	860	951
85	176	174	167	187
90	13	22	24	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	3674	26
	0 - 40	6022	43
	0 - 60	11035	79
	0 - 90	14031	100
	0 - 180	14031	100

SRKR-M8-L140/840-DRV-UNV Report #: 20000.0; 08/08/17 | Total Luminaire Output: 13143 lumens; 94.3 Watts | Efficacy: 139.4 lm/W | 80 CRI; 4000K CCT

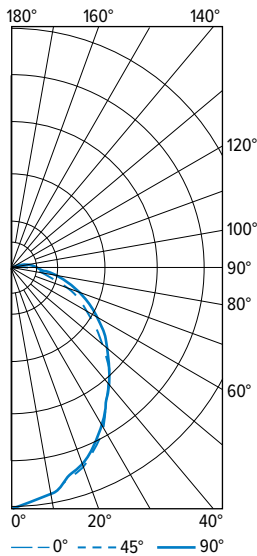


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	4521	4521	4521	
5	4395	4395	4400	420
15	4052	4077	4094	1156
25	3637	3720	3799	1722
35	3058	3228	3373	2021
45	2454	2797	3008	2141
55	1763	2216	2454	1944
65	1104	1616	1873	1537
75	512	1049	1229	1020
85	134	679	822	644
90	0	490	618	
95	0	380	506	346
105	0	158	266	144
115	0	18	114	42
125	0	0	22	7
135	0	0	0	0
145	0	0	0	0
155	0	0	0	0
165	0	0	0	0
175	0	0	0	0
180	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	3297	25
	0 - 40	5318	41
	0 - 60	9403	72
	0 - 90	12603	96
	90 - 120	531	4
	90 - 150	539	4
	90 - 180	539	4
	0 - 180	13143	100



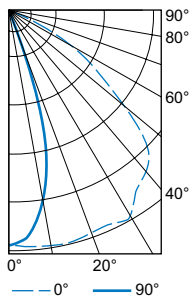
SRKS-M8-L140/840-DRV-UNV Report #: 20001.0; 08/08/17 | Total Luminaire Output: 13072 lumens; 94.2 Watts | Efficacy: 138.7 lm/W | 80 CRI; 4000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	4796	4796	4796	
5	4677	4684	4677	446
15	4325	4310	4295	1223
25	3890	3873	3840	1792
35	3262	3240	3198	2032
45	2622	2655	2688	2058
55	1864	2024	2194	1822
65	1156	1466	1747	1453
75	538	943	1207	970
85	147	589	807	589
90	0	402	576	
95	0	349	495	329
105	0	226	352	208
115	0	108	237	108
125	0	22	119	39
135	0	0	24	2
145	0	0	0	0
155	0	0	0	0
165	0	0	0	0
175	0	0	0	0
180	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	3461	27
	0 - 40	5493	42
	0 - 60	9374	72
	0 - 90	12385	95
	90 - 120	645	5
	90 - 150	687	5
	90 - 180	687	5
	0 - 180	13072	100

SRKA-M8-L140/840-DRV-UNV Report #: 20002.0; 08/08/17 | Total Luminaire Output: 12822 lumens; 94.4 Watts | Efficacy: 135.8 lm/W | 80 CRI; 4000K CCT

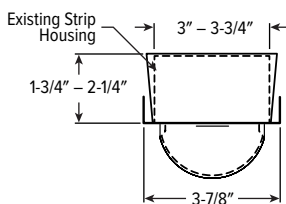


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	14175	14175	14175	
5	13784	13384	13035	1279
15	12766	9309	7037	2718
25	12762	4630	2308	2771
35	11349	1508	872	2106
45	9545	795	572	1614
55	5679	427	345	1081
65	2685	245	245	586
75	859	227	277	351
85	114	218	277	252
90	23	150	200	

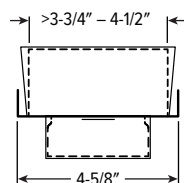
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	6767	53
	0 - 40	8873	69
	0 - 60	11568	90
	0 - 90	12756	99
	0 - 180	12822	100

CROSS SECTIONS

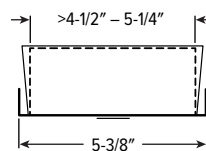
SRKR NARROW



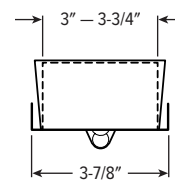
SRKS MEDIUM



SRK WIDE

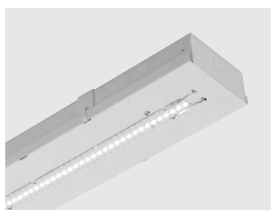


SRKA NARROW

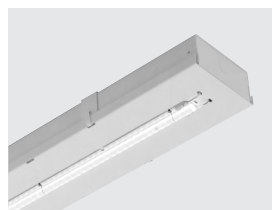


FIXTURE STYLES

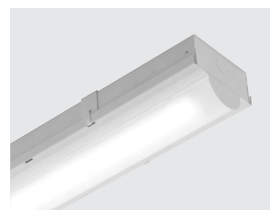
SRK



SRKA



SRKR

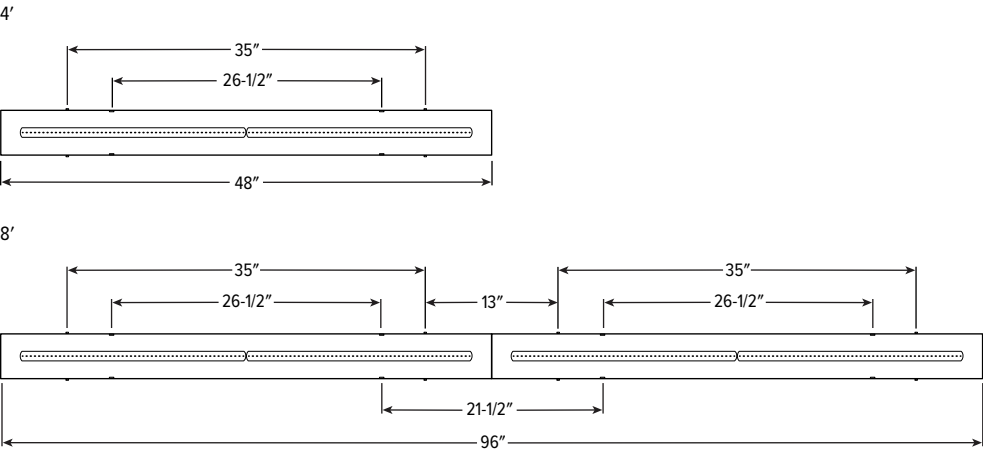


SRKS

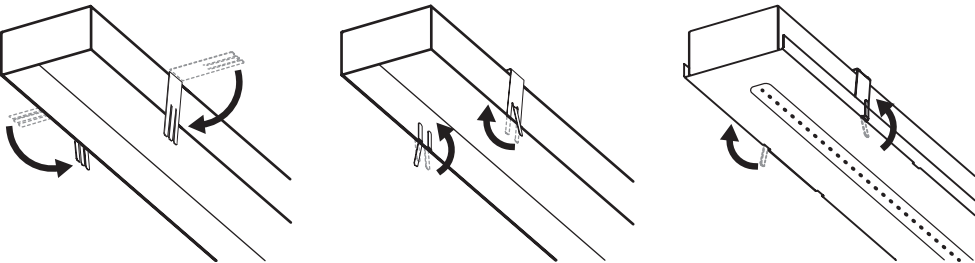


FIXTURE DETAILS

MOUNTING BRACKET LOCATIONS



BRACKET INSTALLATION

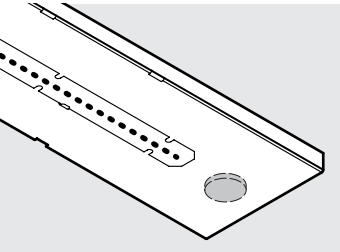


ADDITIONAL DRIVER OPTIONS

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

CATALOG NUMBER	DESCRIPTION
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)
DA	Driver with 12V auxiliary power
DSR	Sensor-ready driver (D4i DALI-2)
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver

SENSOR & NODE PLACEMENT DETAILS



AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

FEATURES

Simple

- Gateway-free distributed control
- Factory pre-commissioning
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

Scalable

- Virtually unlimited network size
- Spans small areas to large garages
- Flexible control strategies

Secure

- Optional cloud connectivity
- UL IoT platinum security rating
- DLC 5.0 compliant

COMMISSIONING & INSTALLATION TOOLS

Avi-on mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers. Live commissioning training and on-site or remote support by Avi-on must be ordered separately through Avi-on.



Commissioning Mobile App



Zone Scanner Web App



Commissioning Pro App

SYSTEM COMPONENTS



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ACCESSORIES

WALL STATIONS	
AVI-2401AC	Scene controller - numbered 1-4, 120-277VAC
AVI-2402BAT	Scene controller - numbered 1-4, battery powered
AVI-2401AC-2	Dimmer with presets - percentages, 120-277VAC
AVI-2402BAT-2	Dimmer with presets - percentages, battery powered
AVI-2401AC-3	On/off/dimming, 120-277VAC
AVI-2402BAT-3	On/off/dimming, battery powered

NETWORK	
AVI-RAB-LTE	Remote access bridge – LTE connection
AVI-2001RAB-01-C	Remote access bridge – Wifi connection
AVI-KIT-NTM	Network time manager with battery backup
CEILING MOUNT SENSORS	
AVI-KIT-SEN-DUCM	PIR motion and ultrasonic sensor kit
AVI-KIT-SEN-ICM	PIR motion and photocell sensor kit

For load controllers and additional accessory info, see hew.com/avi-on

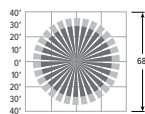
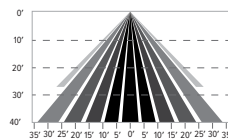
AVI-LVFA-PIR Avi-on wireless fixture control with high bay PIR motion and daylight sensor, bottom mount. DA Driver only.

SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 45'
LENS	Single lens detects high and low bay motion.
DETECTION ANGLE	360°
TEMPERATURE RANGE	-30° to 70°C
RELATIVE HUMIDITY	90 to 95% at 30°C
COMMISSIONING	App (iOS or Android)
SYSTEM REQUIREMENTS	Avi-on wireless fixture controls plus desktop and mobile apps
MANUFACTURER	Avi-on

SENSOR COVERAGE PATTERNS

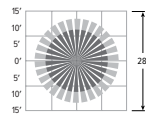
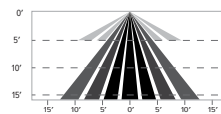
Large motion

40' height: ø68' coverage



Small motion

15' height: ø28' coverage



SENSOR DETAIL



Dimensions: 2-5/16" x 1-7/16"

