

CATALOG #: \_\_\_\_\_

TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_

## FEATURES

- Available with BIOS® SkyBlue® technology to support proper daytime circadian stimulus
- Timeless architectural design blends seamlessly into the space
- Multiple distributions elevate the SDI5 to a functional design that complements any environment
- Maximize energy savings with efficacies up to 130 lm/W
- Spacing ratio up to 2.4 evenly illuminates the environment with fewer luminaires
- Stand-alone and continuous row mounting
- Self-aligning joining method ensures straight, continuous rows
- Made Right Here® in the USA

## SPECIFICATIONS

- HOUSING** – 20-gauge die-formed C.R.S. spot welded construction.
- END CAPS** – 16-gauge C.R.S. with spot welded inner light stop, fastened with hidden machine screw fastener.
- SHIELDING** – Diffuse acrylic or louver downlight options with clear acrylic uplight lens.
- REFLECTIVE SURFACES** – 92% minimum average reflective white polyester powder coat on interior components.
- FINISH** – Textured matte white polyester TGIC 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** – Suspended. 1/16" diameter adjustable steel leveling aircraft cable with two-point "Y" connector and mounting hardware provided. Fixtures join using (2) 8-32 machine screws and hex nuts.
- LISTINGS** –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - DesignLights Consortium Premium qualified product. Not all versions of this product may be DLC Premium qualified, see the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL).
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

**ORDERING EXAMPLE: SDI5 - 4 - L27/835 - DMA - 70U/30D - ACY/D48 - OPTIONS - DRV - 120**

## ORDERING INFO

SERIES	LENGTH	LUMENS <sup>[1]</sup>	CRI	CCT	SHIELDING <sup>[2]</sup>
SDI5	Stand-alone – 4' & 8' nominal lengths, fixture ships assembled. Example: 4 = 4'	L16 1,600lm	8 80	27 2700K	DMA Diffuse matte acrylic lens, .080" thick (standard)
		L27 2,700lm	9 90	30 3000K	
	Row-mount – Lengths specified in 4' increments Example: 12 = 12'	35 3500K			144W/DMA 7/16" deep, 44-cell cross-blade louver with diffuse matte acrylic overlay
		40 4000K			
		50 5000K			

**PRODUCT BUILDER**  
Simplify ordering & layout design with the Williams Linear Product Builder at [hew.com/product-builder](http://hew.com/product-builder)

DISTRIBUTION <sup>[3]</sup>		MOUNTING (EXAMPLE: ACY/D48) <sup>[4]</sup>			OPTIONS <sup>[5]</sup>
Code	Description	Prefix	Type	Length	EM/10WLP Low-profile 10-watt LED emergency battery <sup>[6]</sup>
100U	100% uplight	ACY/	D 1" grid & hardpan	24 24"	(L___) Additional lower lumen packages available. Example: 2,000 lumens = SDI5-4-L27/835-(L20) <sup>[7]</sup>
90U/10D	90% uplight, 10% downlight		N 9/16" grid	48 48"	
70U/30D	70% uplight, 30% downlight		S Slot grid	96 96"	
50U/50D	50% uplight, 50% downlight				FA Frosted acrylic uplight lens recommended for use in suspension heights less than 24" <sup>[8]</sup>
30U/70D	30% uplight, 70% downlight				
10U/90D	10% uplight, 90% downlight				
100D	100% downlight				

CONTROL <sup>[9]</sup>		VOLTAGE
DIM	Dimming driver	120 120V
DRV	Non-dimming driver	277 277V
VDO/DSR	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) and sensor-ready driver <sup>[10]</sup>	UNV 120-277V
VRF/DSR	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and sensor-ready driver <sup>[11]</sup>	347 347V <sup>[12]</sup>

## NOTES

- Lumens per foot output based on 3500 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see options.
- See page 3 for FIXTURE DETAILS.
- Nominal distributions shown. Refer to photometric tests for exact distributions.
- See page 4 for MOUNTING DETAILS.
- See page 4 for FINISH OPTIONS.
- 120V-277V only.
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- Available with 100U, 90U/10D, 70U/30D only.
- See page 3 for ADDITIONAL CONTROL OPTIONS.
- See page 4 for SENSOR DETAILS.
- See page 4 for SENSOR DETAILS.
- Not available with EM drivers.



Available with BIOS® consult factory



## FIXTURE PERFORMANCE DATA

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS		TOTAL DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	
		UPLIGHT	DOWNLIGHT				
4'	L16	100U	6132	0	6132	52	117.9
		90U/10D	5984	665	6649	52	127.9
		70U/30D	4537	1945	6482	52	124.7
		50U/50D	3142	3142	6283	52	120.8
		30U/70D	1808	4218	6026	52	115.9
		10U/90D	569	5117	5686	50	113.7
	100D	0	5575	5575	50	111.5	
	L27	100U	10026	0	10026	85	118.6
		90U/10D	9430	1442	10872	84	130.0
		70U/30D	7241	3358	10599	84	126.2
		50U/50D	5112	5162	10274	85	121.5
		30U/70D	2958	6896	9854	85	115.6
		10U/90D	884	8413	9297	81	114.3
	100D	0	9116	9116	82	111.8	
8'	L16	100U	12264	0	12264	104	117.9
		90U/10D	11969	1330	13299	104	127.9
		70U/30D	9076	3890	12965	104	124.7
		50U/50D	6284	6284	12567	104	120.8
		30U/70D	3616	8438	12054	104	115.9
		10U/90D	1137	10235	11372	100	113.7
	100D	0	11151	11151	100	111.5	
	L27	100U	20052	0	20052	168	119.4
		90U/10D	18860	2884	21744	168	129.4
		70U/30D	14482	6716	21198	168	126.2
		50U/50D	10225	10323	20548	168	122.3
		30U/70D	5916	13792	19708	168	117.3
		10U/90D	1768	16826	18594	162	114.8
		100D	0	18232	18232	162	112.5

## MULTIPLIER TABLES

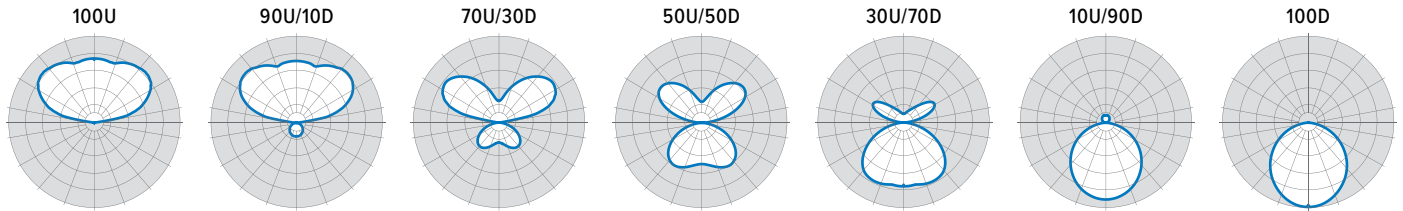
	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
	80 CRI	
	2700K	0.97
	3000K	0.99
	3500K	1.00
	4000K	1.03
	5000K	1.06

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

LENS	CONVERSION FACTOR
DMA	1.00
144W/DMA	0.95
FA	0.97

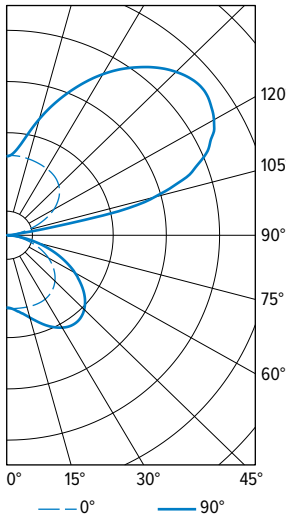
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier tables to calculate additional options.

## PHOTOMETRY



SDI5-4-L27/835-DMA-70U/30D-DRV-UNV Report #: 12731921; 02/20/19 | Total Luminaire Output: 10600 lumens; 84.0 Watts | Efficacy: 126.2 lm/W | 83.0 CRI; 3511K CCT

180° 165° 150° 60°



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	710	710	710	
5	719	717	726	17
15	726	772	832	90
25	728	853	985	176
35	704	893	1072	262
45	639	848	1030	319
55	529	719	861	324
65	378	511	611	271
75	198	267	317	169
85	35	51	61	52
90	0	5	6	
95	33	65	66	18
105	210	1122	1441	417
115	423	1623	2107	707
125	588	1822	2319	760
135	690	1766	2254	670
145	739	1563	1991	508
155	759	1286	1611	329
165	773	976	1168	172
175	780	791	812	59
180	772	772	772	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1245	11.7
	0 - 60	2522	23.8
	0 - 90	3358	31.7
	90 - 180	7241	68.3

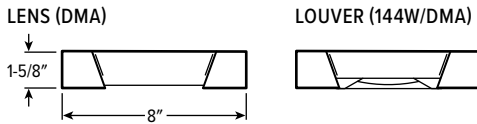


## ADDITIONAL CONTROL OPTIONS

Note: Lumen restrictions apply, consult product builder at [hew.com/product-builder](http://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 or 277V only)
DSR	Sensor-ready driver
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LTE LINE	Lutron Hi-lume 1% 2-wire dimming driver forward phase line voltage controls (120V only)
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver
LDE5	Lutron 5-Series 5% EcoSystem dimming LED driver
VDO/DSR	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) and sensor-ready driver
VRF/DSR	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and sensor-ready driver
VDO/DBI/LDE1	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC), Lutron Hi-lume 1% EcoSystem dimming LED driver, and digital link interface
VDO/DBI/LDE5	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC), Lutron 5-Series 5% EcoSystem dimming LED driver, and digital link interface
VRF/DBI/LDE1	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), Lutron Hi-lume 1% EcoSystem dimming LED driver, and digital link interface
VRF/DBI/LDE5	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), Lutron 5-Series 5% EcoSystem dimming LED driver, and digital link interface
ELDO SOLOB	EldoLED Solodrive, 0.1% dimming driver for 0-10V controls
ELDO SOLOB DALI	EldoLED Solodrive, 0.1% dimming driver for DALI controls
ELDO ECO1	EldoLED Ecodrive, 1% dimming driver for 0-10V controls
ELDO ECO1 DALI	EldoLED Ecodrive, 1% dimming driver for DALI controls

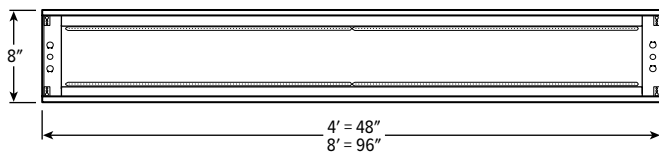
## CROSS SECTIONS



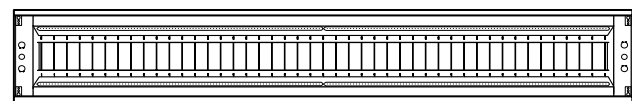
## FIXTURE DETAILS

### BACKVIEW

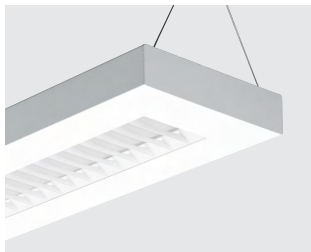
Lens (DMA)



Louver (144W/DMA)



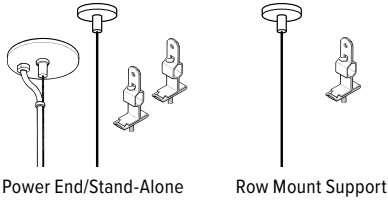
### LOUVER SHIELDING DETAIL



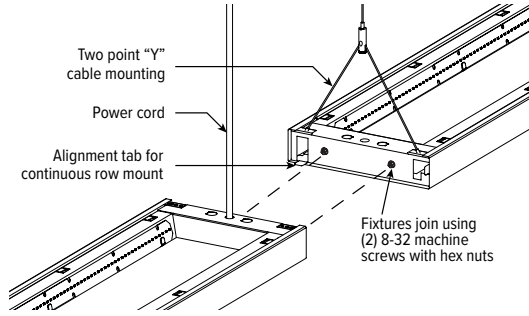
# SDI5 LED LED Suspended Direct/Indirect

## MOUNTING DETAILS

### STANDARD HARDWARE (Grid and Hardpan)



### CONTINUOUS ROW



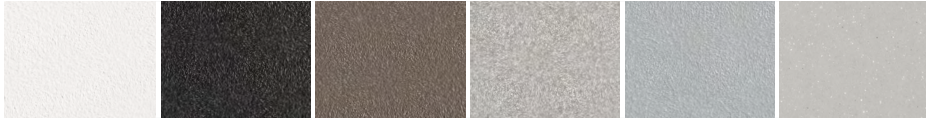
#### Notes:

- Fixtures are provided with adjustable length aircraft cables with two-point "Y" connectors 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.

For continuous row mount, suspend fixture using aircraft cable at every fixture intersection and at both ends. Make the electrical connections using the plug-in wiring harness (provided). Install end plates on each end of the continuous row. Depending on installation method, cable mounting may require additional counter-weights due to side-mounted driver.

## FINISH OPTIONS

### WHITE      BLACK      BRONZE      NICKEL      SILVER      ALUMINUM



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 DETAILS

