

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

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

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

**FEATURES**

- Support human-centric design with adaptive, individualized lighting using tunable white light
- 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 124 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-performance Class 2 C.O.B. LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>50,000 hours. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- **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.
- **WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

**ORDERING EXAMPLE: SDI5 - 4 - L27/8TW - DMA - 70U/30D - ACY/D48 - OPTIONS - DALI - UNV**

**ORDERING INFO**

SERIES	LENGTH	LUMENS <sup>[1]</sup>	CRI	CCT
SDI5	Stand-alone – 4' & 8' nominal lengths, fixture ships assembled. Example: 4 = 4'	L16 1,600lm	8 80	TW Tunable white (3000K-5000K)
		L27 2,700lm	9 90 <sup>[2]</sup>	TW2 Tunable white (2700K-6500K)
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/product-builder](http://hew.com/product-builder)

SHIELDING <sup>[3]</sup>	DISTRIBUTION <sup>[4]</sup>	MOUNTING (EXAMPLE: ACY/D48) <sup>[5]</sup>
<b>DMA</b> Diffuse matte acrylic lens, .080" thick (standard)	<b>100U</b> 100% uplight	Prefix Type Length
<b>144W/DMA</b> 7/16" deep, 44-cell cross-blade louver with diffuse matte acrylic overlay	<b>90U/10D</b> 90% uplight, 10% downlight	ACY/ D 1" grid & hardpan 24 24"
	<b>70U/30D</b> 70% uplight, 30% downlight	N 9/16" grid 48 48"
	<b>50U/50D</b> 50% uplight, 50% downlight	S Slot grid 96 96"
	<b>30U/70D</b> 30% uplight, 70% downlight	
	<b>10U/90D</b> 10% uplight, 90% downlight	
	<b>100D</b> 100% downlight	

OPTIONS <sup>[6]</sup>	CONTROL <sup>[7]</sup>	VOLTAGE
<b>EM/10WLP</b> Low-profile 10-watt LED emergency battery <sup>[8]</sup>	<b>DALI</b> Driver prewired for DALI applications	<b>120</b> 120V
<b>(L__)</b> Additional lower lumen packages available. Example: 2,000 lumens = SDI5-4-L27/8TW-(L20) <sup>[9]</sup>	<b>DIM</b> Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT	<b>277</b> 277V
<b>FA</b> Frosted acrylic uplight lens recommended for use in suspension heights less than 24" <sup>[10]</sup>	<b>DMX</b> Driver prewired for DMX applications	<b>UNV</b> 120-277V
	<b>PSQ</b> Lutron T-Series 2-channel tunable white 1%.	

**NOTES**

- <sup>1</sup> Lumens per foot, output based on 4000 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see options.
- <sup>2</sup> Extended lead times may apply. Consult factory for availability.
- <sup>3</sup> See page 3 for FIXTURE DETAILS.
- <sup>4</sup> Nominal distributions shown. Refer to photometric tests for exact distributions.
- <sup>5</sup> See page 4 for MOUNTING DETAILS.
- <sup>6</sup> See page 4 for FINISH OPTIONS.
- <sup>7</sup> See page 4 for CONTROL DETAILS.
- <sup>8</sup> 120V-277V only.
- <sup>9</sup> (L5) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- <sup>10</sup> Available with 100U, 90U/10D, 70U/30D only.



## FIXTURE PERFORMANCE DATA

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS		TOTAL DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	
		UPLIGHT	DOWNLIGHT				
4'	L16	100U	5950	0	5950	53.5	111.2
		90U/10D	5807	645	6452	53.5	120.6
		70U/30D	4403	1887	6290	53.5	117.6
		50U/50D	3049	3049	6097	53.5	114.0
		30U/70D	1754	4094	5848	53.5	109.3
		10U/90D	552	4966	5517	46.5	118.7
	L27	100D	0	5410	5410	46.5	116.3
		100U	9987	0	9987	96.1	103.9
		90U/10D	9747	1083	10830	96.1	112.7
		70U/30D	7391	3167	10558	96.1	109.9
		50U/50D	5117	5117	10234	96.1	106.5
		30U/70D	2945	6871	9816	96.1	102.1
		10U/90D	926	8335	9261	81.7	113.4
		100D	0	9081	9081	81.7	111.1
8'	L16	100U	11900	0	11900	104.0	114.4
		90U/10D	11614	1290	12904	104.0	124.1
		70U/30D	8806	3774	12580	104.0	121.0
		50U/50D	6097	6097	12194	104.0	117.3
		30U/70D	3509	8187	11696	104.0	112.5
		10U/90D	1103	9931	11035	100.0	110.3
	L27	100D	0	10820	10820	100.0	108.2
		100U	19974	0	19974	192.2	103.9
		90U/10D	19494	2166	21660	192.2	112.7
		70U/30D	14781	6335	21116	192.2	109.9
		50U/50D	10234	10234	20469	192.2	106.5
		30U/70D	5890	13742	19632	192.2	102.1
		10U/90D	1852	16670	18522	163.4	113.4
		100D	0	18161	18161	163.4	111.1

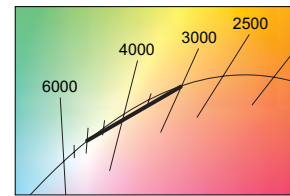
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 4000K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier tables to calculate additional options.

## MULTIPLIER TABLES

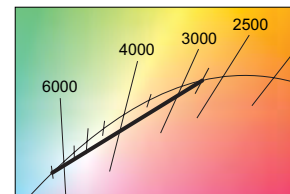
	COLOR TEMPERATURE				
	CCT	TW		TW2	
		LUMENS	WATTAGE	LUMENS	WATTAGE
80 CRI	2700K	-	-	0.93	1.02
	3000K	0.95	1.04	0.95	1.01
	3500K	0.98	1.02	0.98	1.00
	4000K	1.00	1.00	1.00	1.00
	5000K	0.96	1.04	1.02	1.00
6500K	-	-	1.01	1.04	
90 CRI	2700K	-	-	0.93	1.02
	3000K	0.91	1.03	0.95	1.01
	3500K	0.96	1.01	0.98	1.00
	4000K	1.00	1.00	1.00	1.00
	5000K	1.03	1.03	1.03	1.00
	6500K	-	-	1.02	1.04

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

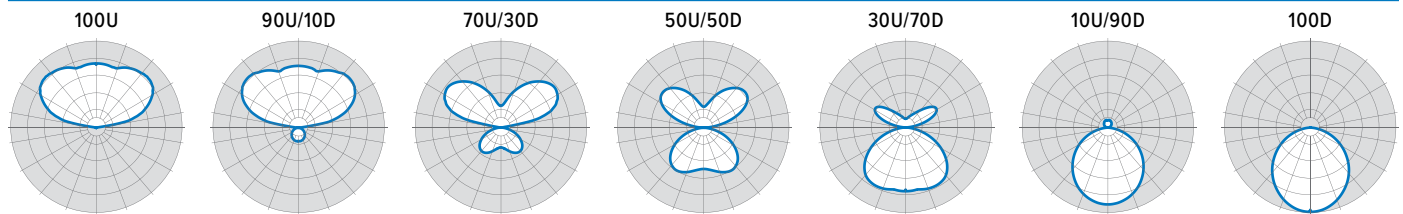
### TW



### TW2



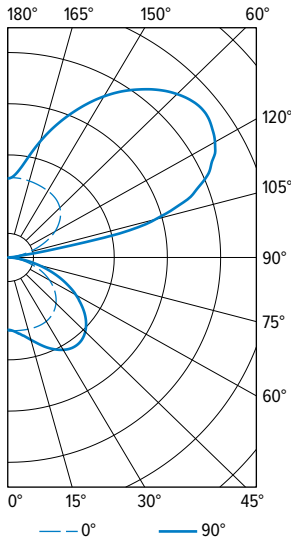
## PHOTOMETRY



# SDI5 tunable WHITE

Suspended Direct/Indirect

SDI5-4-L27/8TW-DMA-70U/30D-DALI-UNV Total Luminaire Output: 10558 lumens; 96.1 Watts | Efficacy: 109.9 lm/W | 83.0 CRI; 4000K CCT

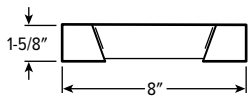


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	707	707	707	
5	716	714	723	69
15	723	769	828	221
25	725	850	981	394
35	702	890	1068	556
45	637	845	1026	646
55	526	716	858	626
65	377	509	609	494
75	197	266	316	277
85	34	51	60	62
90	0	5	6	
95	33	65	66	142
105	209	1118	1435	1021
115	421	1617	2099	1457
125	585	815	2310	1482
135	688	1759	2245	1260
145	736	1557	1983	922
155	756	1281	1605	572
165	770	972	1163	279
175	777	788	809	78
180	769	769	769	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1240	12
	0 - 60	2512	24
	0 - 90	3345	32
	90 - 180	7213	68

## CROSS SECTIONS

LENS (DMA)



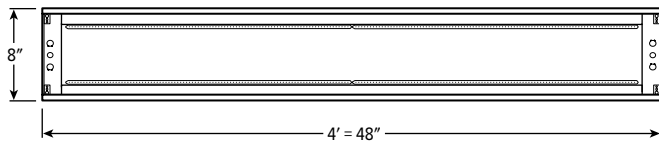
LOUVER (144W/DMA)



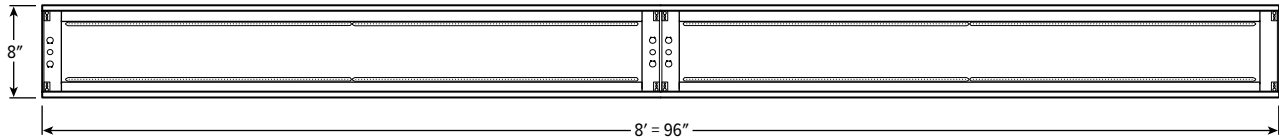
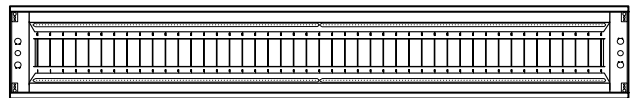
## FIXTURE DETAILS

BACKVIEW

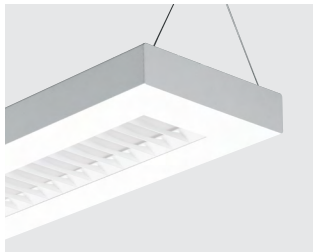
Lens (DMA)



Louver (144W/DMA)

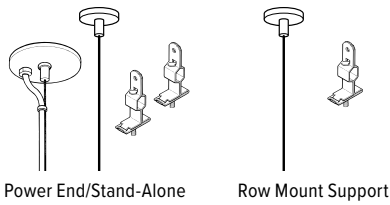


LOUVER SHIELDING DETAIL

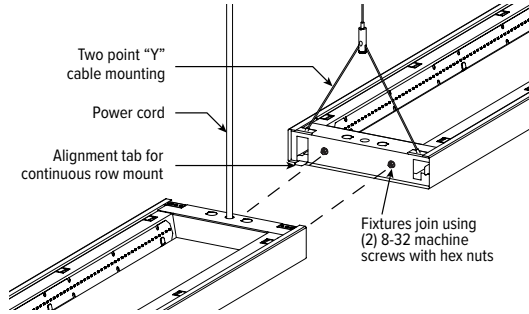


## MOUNTING DETAILS

### STANDARD HARDWARE (Grid and Hardpan)



### CONTINUOUS ROW



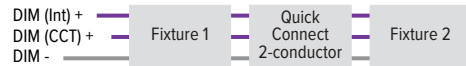
#### Notes:

- 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.

## CONTROL DETAILS

### DIM



### DMX



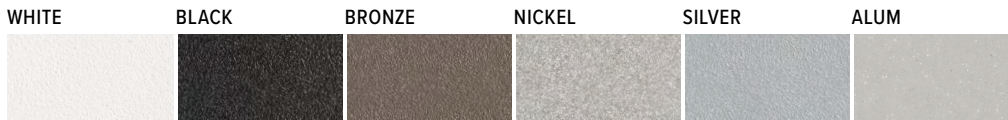
### DALI



### LUTRON T-SERIES



## 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.

