

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Tunable white from 3000K to 5000K CCT, minimum 80 CRI
- 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.

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

ORDERING INFO

SERIES	LENGTH	LUMENS ^[1]	COLOR	SHIELDING ^[2]
SDI5	Stand-alone – 4' & 8' nominal lengths, fixture ships assembled. Example: 4 = 4'	L16 1,600lm	8TW Tunable white (80 CRI, 3000K-5000K)	DMA Diffuse matte acrylic lens, .080" thick (standard)
		L27 2,700lm		144W/DMA 7/16" deep, 44-cell cross-blade louver with diffuse matte acrylic overlay
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				

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

CONTROL ^[9]	VOLTAGE
DALI Driver prewired for DALI applications	120 120V 277 277V
DIM Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT	UNV 120-277V
DMX Driver prewired for DMX applications	
PSQ Lutron T-Series 2-channel tunable white 1%.	

NOTES

- ¹ 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.
- ² See page 3 for FIXTURE DETAILS.
- ³ Nominal distributions shown. Refer to photometric tests for exact distributions.
- ⁴ See page 3 for MOUNTING DETAILS.
- ⁵ See page 4 for FINISH OPTIONS.
- ⁶ 120V-277V only.
- ⁷ Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- ⁸ Available with 100U, 90U/10D, 70U/30D only.
- ⁹ See page 4 for CONTROL DETAILS.



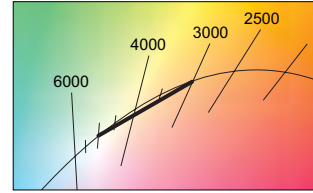
FIXTURE PERFORMANCE DATA

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
		100D	0	5410	5410	46.5	116.3
	L27	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
		100D	0	10820	10820	100.0	108.2
	L27	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

MULTIPLIER TABLES

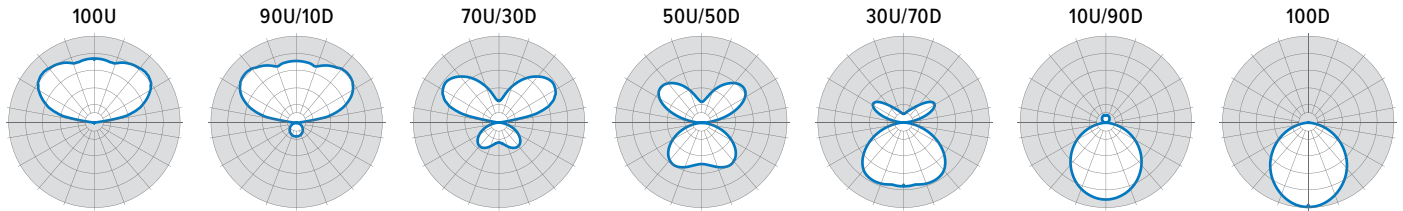
CCT	CONVERSION FACTOR	
	LUMENS	WATTAGE
3000K	0.95	1.04
3500K	0.98	1.02
4000K	1.00	1.00
5000K	0.96	1.04

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

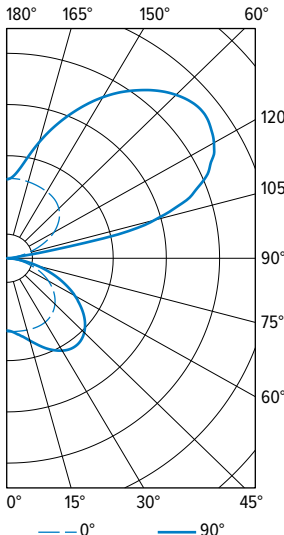


- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 4000K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier tables to calculate additional options.

PHOTOMETRY



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



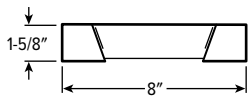
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	707	707	707	
5	716	714	723	69
15	723	769	828	221
25	725	850	981	394
35	702	890	1068	556
45	637	845	1026	646
55	526	716	858	626
65	377	509	609	494
75	197	266	316	277
85	34	51	60	62
90	0	5	6	
95	33	65	66	142
105	209	1118	1435	1021
115	421	1617	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)



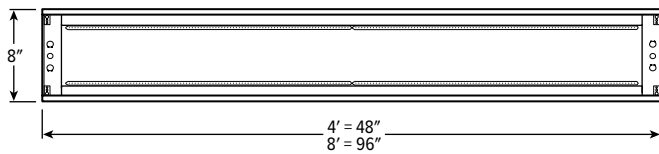
LOUVER (144W/DMA)



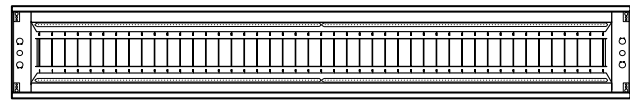
FIXTURE DETAILS

BACKVIEW

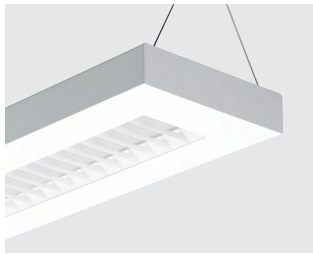
Lens (DMA)



Louver (144W/DMA)

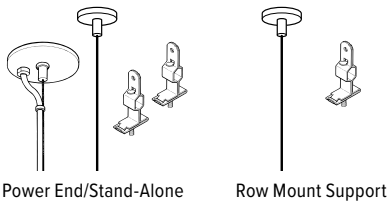


LOUVER SHIELDING DETAIL



MOUNTING DETAILS

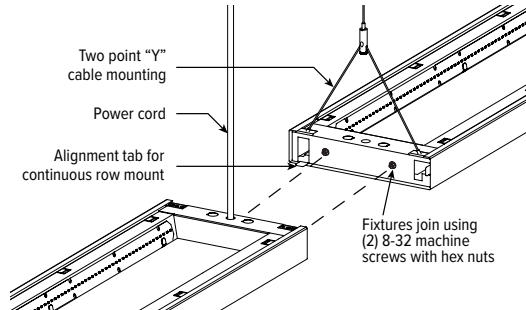
STANDARD HARDWARE (Grid and Hardpan)



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.

CONTINUOUS ROW

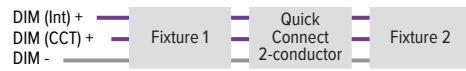


For continuous row mount, suspend fixture using aircraft cable at every fixture intersection and at both ends. Make the electrical connections using the plug-in wiring harness (provided). Install end plates on each end of the continuous row. Depending on installation method, cable mounting may require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



CONTROL DETAILS

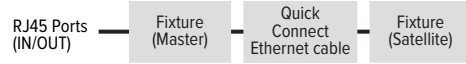
DIM



DALI



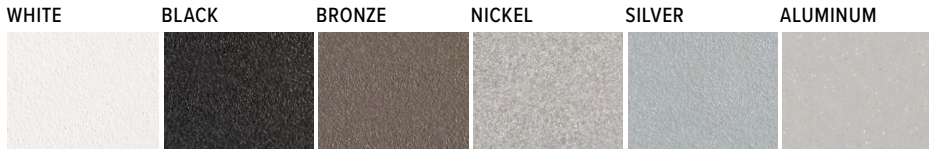
DMX



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.

