

Shown with DMA

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

ORDERING INFO

SERIES	LENGTH	LUMENS ^[1]	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 ^[2]	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

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

OPTIONS

See page 4 for FINISH OPTIONS.

EM/10WLP Low-profile 10-watt emergency battery ^[7]
(L___) Additional lower lumen packages available.
Example: 2,000 lumens = SDI5-4-L27/8TW-(L20) ^[8]

FA Frosted acrylic uplight lens recommended for use in suspension heights less than 24" ^[9]

CONTROL ^[6]

DALI Driver prewired for DALI applications
DIM Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT
DMX Driver prewired for DMX applications
PSQ Lutron T-Series 2-channel tunable white 1%.

VOLTAGE

120 120V
277 277V
UNV 120-277V

NOTES

- Lumens per foot output based on DMA Shielding, 80 CRI/4000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
- Extended lead times may apply. Consult factory for availability.
- See page 3 for FIXTURE DETAILS.
- Nominal distributions shown. Refer to photometric tests for exact distributions.

⁵ See page 4 for MOUNTING DETAILS.

⁶ See page 4 for CONTROL DETAILS.

⁷ 120V-277V only.

⁸ (L5) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.

⁹ Available with 100U, 90U/10D, 70U/30D only.



FIXTURE PERFORMANCE DATA

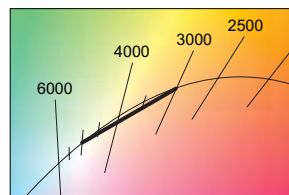
	LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS		TOTAL DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
			UPLIGHT	DOWNLIGHT			
4'	L16	100U	5950	0	5950	53.5	111
		90U/10D	5807	645	6452	53.5	121
		70U/30D	4403	1887	6290	53.5	118
		50U/50D	3049	3049	6097	53.5	114
		30U/70D	1754	4094	5848	53.5	109
		10U/90D	552	4966	5517	46.5	119
		100D	0	5410	5410	46.5	116
	L27	100U	9987	0	9987	96.1	104
		90U/10D	9747	1083	10830	96.1	113
		70U/30D	7391	3167	10558	96.1	110
		50U/50D	5117	5117	10234	96.1	106
		30U/70D	2945	6871	9816	96.1	102
		10U/90D	926	8335	9261	81.7	113
		100D	0	9081	9081	81.7	111
8'	L16	100U	11900	0	11900	104.0	114
		90U/10D	11614	1290	12904	104.0	124
		70U/30D	8806	3774	12580	104.0	121
		50U/50D	6097	6097	12194	104.0	117
		30U/70D	3509	8187	11696	104.0	112
		10U/90D	1103	9931	11035	100.0	110
		100D	0	10820	10820	100.0	108
	L27	100U	19974	0	19974	192.2	104
		90U/10D	19494	2166	21660	192.2	113
		70U/30D	14781	6335	21116	192.2	110
		50U/50D	10234	10234	20469	192.2	106
		30U/70D	5890	13742	19632	192.2	102
		10U/90D	1852	16670	18522	163.4	113
		100D	0	18161	18161	163.4	111

- Photometrics tested in accordance with IESNA LM-79. Results based on DMA Shielding, 80 CRI/4000K 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 tables to calculate additional options.

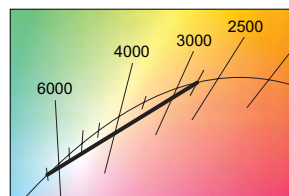
MULTIPLIER TABLES

	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	—	—	0.81	1.02
	3000K	0.83	1.04	0.83	1.01
	3500K	0.86	1.02	0.86	1.00
	4000K	0.88	1.00	0.88	1.00
	5000K	0.84	1.04	0.89	1.00
	6500K	—	—	0.88	1.04
LENS		CONVERSION FACTOR			
DMA		1.00			
144W/DMA		0.95			
FA		0.97			

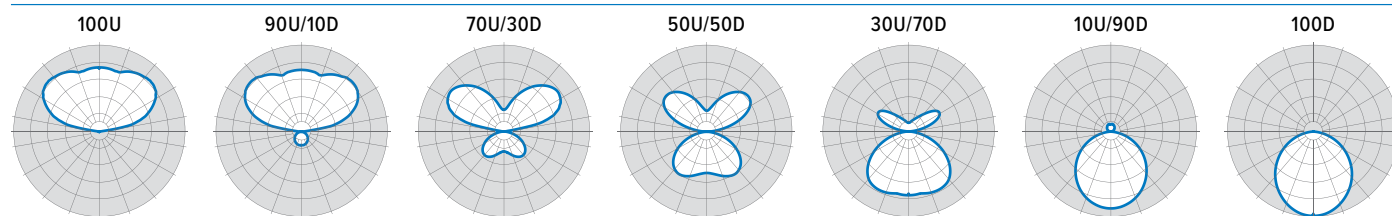
TW



TW2



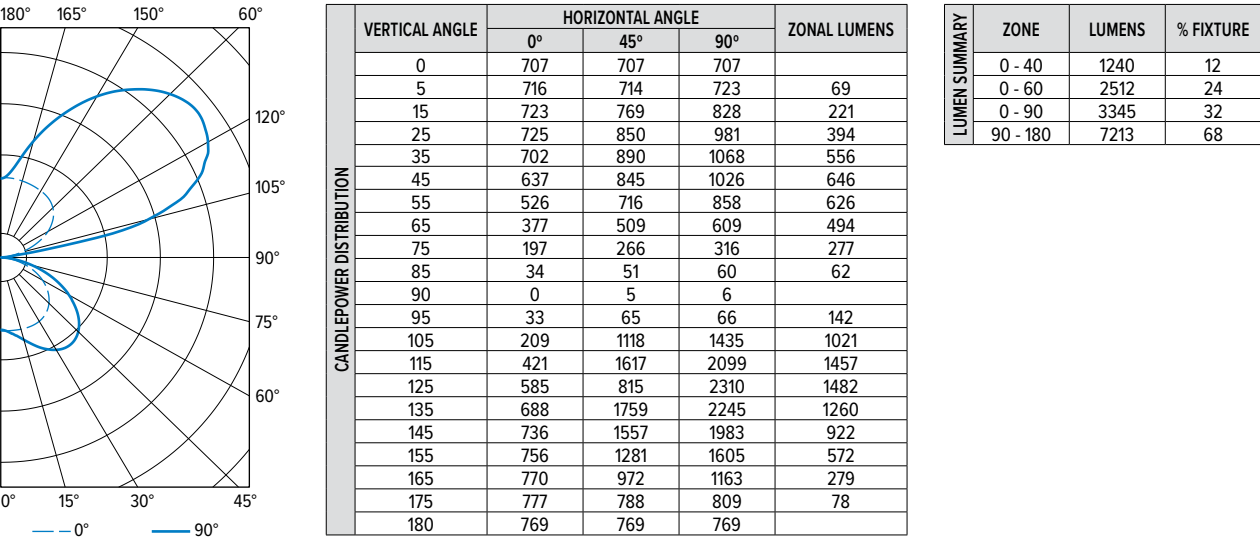
PHOTOMETRY



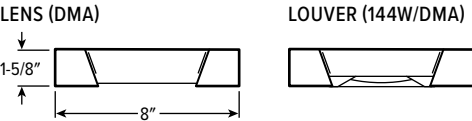
PHOTOMETRY CONTINUED ON NEXT PAGE



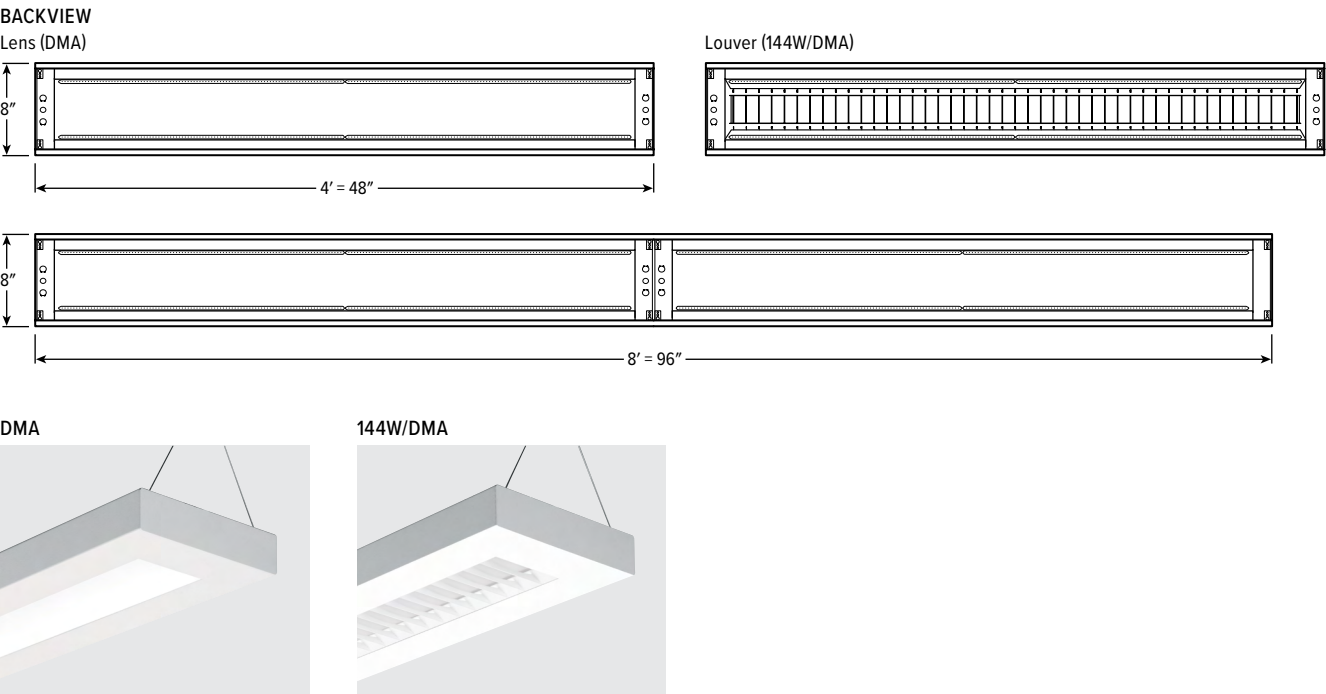
SDI5-4-L27/8TW-DMA-70U/30D-DALI-UNV Total Luminaire Output: 10558 lumens; 96.1 Watts | Efficacy: 109.9 lm/W | 80 CRI; 4000K CCT



CROSS SECTIONS



FIXTURE DETAILS



Lens (DMA)

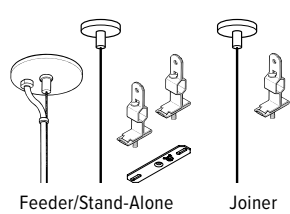
Louver (144W/DMA)

DMA

144W/DMA

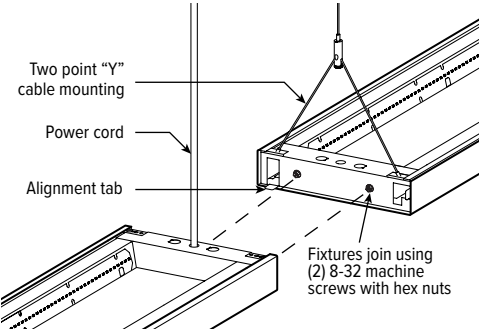
MOUNTING DETAILS

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.

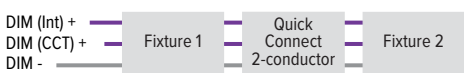
Make the electrical connections using the plug-in wiring harness (provided).

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



DMX



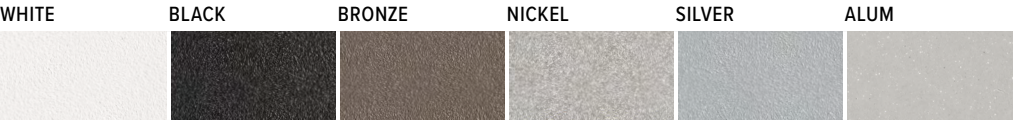
DALI



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.