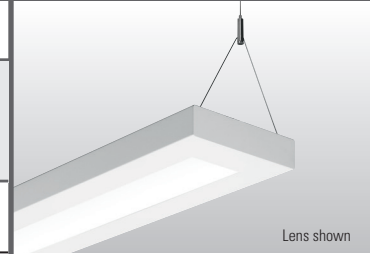


# SUSPENDED DIRECT/INDIRECT

# SDI5

tunable **WHITE**

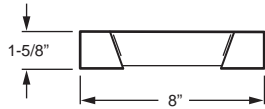


CATALOG #:	TYPE:
PROJECT:	NOTES:

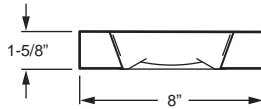
**EXAMPLE** → **SDI5 - 4 - L20/8TW - DMA - ACY/D48 - OPTIONS - DALI - UNV**

SERIES    NOMINAL LENGTH    LUMEN PACKAGE    CRI & CCT    SHIELDING    MOUNTING    OPTIONS/ACCESSORIES    CONTROL    VOLTAGE

## CROSS SECTION



Lens Shown



Louver Shown

## ORDERING INFORMATION

**SERIES**  
SDI5      Suspended Direct/Indirect – Tunable White

**NOMINAL LENGTH**  
**Stand-alone** – 4' & 8' nominal lengths, fixture ships assembled.  
 Example: **4** = 4'.  
**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](http://hew.com)

**LED PACKAGE**

Example: L20/8TW		
LUMEN PACKAGE	NOMINAL LUMENS PER FOOT	WATTAGE PER FOOT
L20	2,000	64

Nominal lumen output based on 4000K CCT. Actual lumens may vary +/-5%, see fixture performance data. Additional LED lumen packages available, see options.

**CRI & CCT**  
8TW      Tunable white (80 CRI, 3000K–5000K)

**SHIELDING**  
**DMA**      Diffuse matte acrylic lens, .080" thick (standard)  
**144W/DMA**      7/16" deep, 44-cell cross-blade louver with diffuse matte acrylic overlay, see page 3 for details

**MOUNTING**  
 See page 3 for details.

EXAMPLE: ACY/D48		
MOUNTING	TYPE	LENGTH
ACY/ = Aircraft	D = grid & hardpan	24 = 24"
	N = 9/16" grid	48 = 48"
	S = Slot grid	96 = 96"

**OPTIONS**  
 For color options, visit the SDI5 online at [hew.com](http://hew.com).  
**EM/10WLP**      Low profile 10-watt emergency battery (120V or 277V only).  
**(L\_\_)**      Additional lower lumen packages available. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.  
**Example:** 1,500 nominal lumens = SDI5-4-L20/8TW-(L15).

**ACCESSORIES**  
 See [hew.com/poe](http://hew.com/poe) for compatible sensors & switches  
**SDI5 CORNER**      90° SDI5 corner assembly must be ordered separately. See back for details.

**CONTROL**  
 See page 3 for details.  
**DALI**      Driver prewired for DALI applications  
**DIM**      (1) 0-10V signal to control dimming  
             (1) 0-10V signal to control CCT  
**DMX**      Driver prewired for DMX applications

**VOLTAGE**  
**120**      120V  
**277**      277V  
**UNV**      120-277V

## FEATURES

- ▶ Tunable white from 3000K to 5000K CCT, minimum 80 CRI.
- ▶ Spacing ratio up to 2.4 evenly illuminates the environment with fewer luminaires.
- ▶ Standard distribution of 25% down, 75% up for a blend of direct/indirect lighting.
- ▶ Optional 90° corners allow continuous runs around corners (see page 3 for details).
- ▶ Self-aligning joining method ensures straight, continuous rows.
- ▶ Standard acrylic dust cover hinders dirt and dust from entering fixture.
- ▶ This fixture is proudly made in the USA.



### SPECIFICATIONS

**Housing** – 20-gauge die-formed C.R.S.

**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 board. L70 > 60,000 hours per IES TM-21. 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.

**Labels** – cCSAus certified as luminaire suitable for dry or damp locations.

**Warranty** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

### IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

### FIXTURE PERFORMANCE DATA

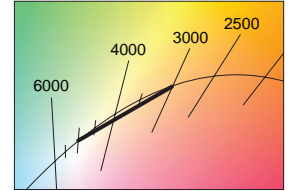
LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
4'			
L20	8046	64.4	124.9
8'			
L20	16092	128.8	124.9

- 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 table to calculate additional options.

### MULTIPLIER TABLE

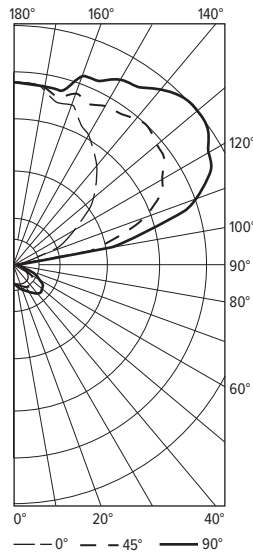
CCT	CONVERSION FACTOR	
	LUMENS	WATTAGE
3000K	0.95	1.04
3500K	0.98	1.02
4000K	1.00	1.00
5000K	0.96	1.04

LENS	CONVERSION FACTOR
144W/DMA	0.95



### PHOTOMETRY

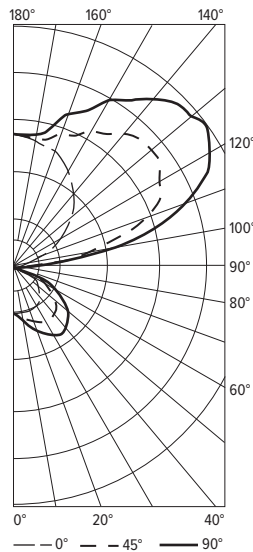
**SDI5-4-L20/8TW-144W/DMA-DALI** Total Luminaire Output: 7644 lumens; 64.4 Watts | Efficacy: 119 lm/W | 82.8 CRI; 3500K CCT



Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	156	156	156	
5	162	162	162	16
15	174	189	204	52
25	163	203	244	94
35	168	230	295	143
45	142	212	295	169
55	121	189	266	170
65	79	128	187	129
75	30	58	79	60
85	1	9	9	10
90	0	0	0	1
95	23	88	42	176
105	177	895	1225	838
115	448	1322	1772	1194
125	708	1499	1952	1260
135	942	1574	1957	1157
145	1128	1515	1787	936
155	1279	1460	1663	686
165	1384	1426	1488	414
175	1494	1494	1499	142
180	1497	1497	1497	

Zone	Lumens	% Fixture
0 - 30	161	2
0 - 40	304	4
0 - 60	642	8
0 - 90	842	11
90 - 120	2208	29
90 - 150	5560	73
90 - 180	6802	89
0 - 180	7644	100

**SDI5-4-L20/8TW-DMA-DALI** Total Luminaire Output: 8046 lumens; 64.4 Watts | Efficacy: 125 lm/W | 82.8 CRI; 3500K CCT

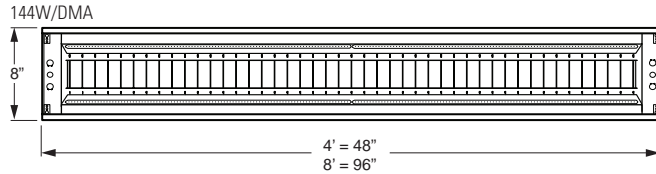
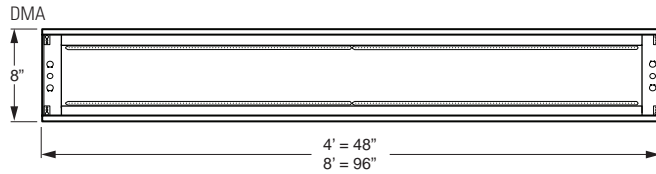


Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	365	365	365	
5	375	379	384	36
15	382	428	475	120
25	368	480	581	220
35	357	521	658	320
45	311	491	630	372
55	262	411	522	358
65	187	293	364	281
75	96	148	183	156
85	19	39	45	43
90	0	3	3	
95	22	63	31	169
105	142	832	1098	788
115	346	1322	1713	1157
125	536	1457	1929	1201
135	698	1462	1875	1056
145	837	1319	1645	807
155	933	1177	1414	550
165	1010	1070	1157	311
175	1070	1076	1083	102
180	1070	1070	1070	

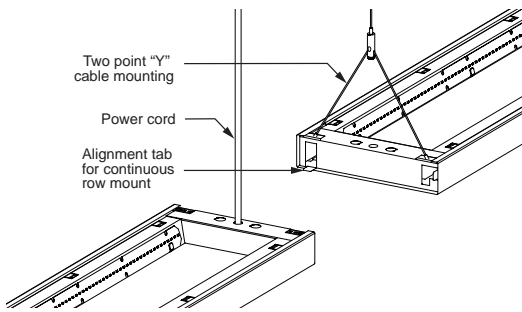
Zone	Lumens	% Fixture
0 - 30	376	5
0 - 40	696	9
0 - 60	1426	18
0 - 90	1906	24
90 - 120	2114	26
90 - 150	5177	64
90 - 180	6140	76
0 - 180	8046	100

## FIXTURE DETAILS

### BACK VIEW

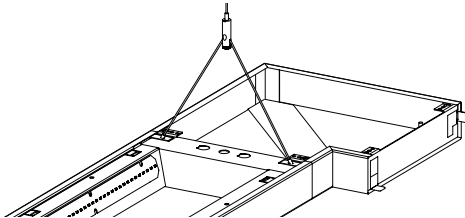


### CONTINUOUS ROW DETAILS



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.

### 90° CORNER ASSEMBLY (FOR CONTINUOUS ROW INSTALLATIONS)



**Housing** – 22-gauge die-formed, welded C.R.S.  
**Finish** – Textured matte white polyester TGIC powder coat bonded to phosphate-free, multi-stage pretreated metal.

**Example: SDI5 CORNER**

## CONTROL DETAILS

### DIM



### DALI

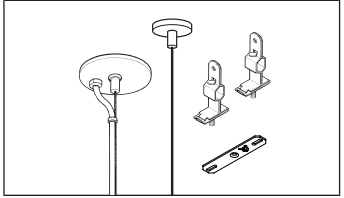


### DMX



### 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.

### LOUVER DETAIL

