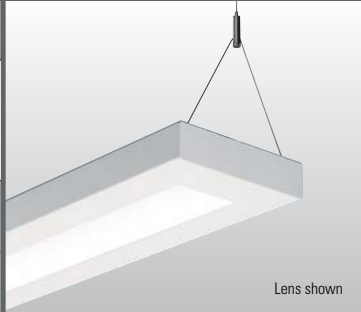


# SUSPENDED DIRECT/INDIRECT

# SDI5

## LED



Lens shown

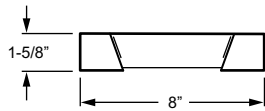
CATALOG #: \_\_\_\_\_ TYPE: \_\_\_\_\_

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

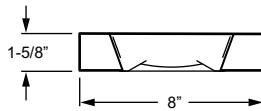
**EXAMPLE** → **SDI5 - 4 - L27/835 - DMA - ACY/D48 - OPTIONS - DRV - 120**

SERIES    NOMINAL LENGTH    LUMEN PACKAGE    CRI & CCT    SHIELDING    MOUNTING    OPTIONS    DRIVER    VOLTAGE

### CROSS SECTION



Lens Shown



Louver Shown

### ORDERING INFORMATION

**SERIES**  
SDI5      Suspended Direct/Indirect

**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: L27/835			
LUMEN PACKAGE	NOMINAL LUMENS PER FOOT	MINIMUM CRI & CCT	WATTAGE PER FOOT
L16	1,600	830 = 80 CRI, 3000K	14.5
L27	2,700	835 = 80 CRI, 3500K	26.8
		840 = 80 CRI, 4000K	

Nominal lumen output based on 3500 CCT. Actual lumens may vary +/-5%, see fixture performance data on page 2. Additional lumen packages available, see options.

**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 = 1" 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 LED emergency battery (120V-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:** 2,000 nominal lumens = SDI5-4-L27/835-(L20)

**DRIVER**  
Additional dimming drivers available, see [Technical Info](#).  
**DRV** Driver prewired for non-dimming applications  
**DIM** Dimming driver prewired for 0-10V low voltage applications

**VOLTAGE**

120	120V
277	277V
UNV	120-277V
347	347V (not available with EM drivers)

### FEATURES

- ▶ Efficacies up to 111 lm/W
- ▶ 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.
- ▶ 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.



## LED

## FIXTURE PERFORMANCE DATA

LED PACKAGE	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)
4'			
L16	58	6,300	108.6
L27	107	10,900	101.9
8'			
L16	116	12,600	108.6
L27	214	21,800	101.9

- 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 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

## 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 boards.

**Mounting** – Suspended. 1/16" diameter adjustable steel leveling aircraft cable with two-point "Y" connector and mounting hardware provided.

**Listings** –

- cCSAus certified as luminaire suitable for dry or damp locations.
- DesignLights Consortium qualified product. Not all versions of this product may be DLC 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).

## IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

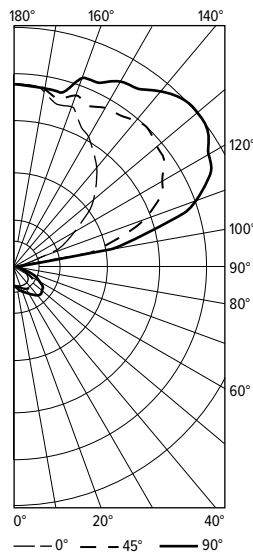
## MULTIPLIER TABLES

COLOR TEMPERATURE	
CCT/CRI	CONVERSION FACTOR
3000K/80CRI	0.99
3500K/80CRI	1.00
4000K/80CRI	1.03

LENS	CONVERSION FACTOR
144W/DMA	0.95

## PHOTOMETRY

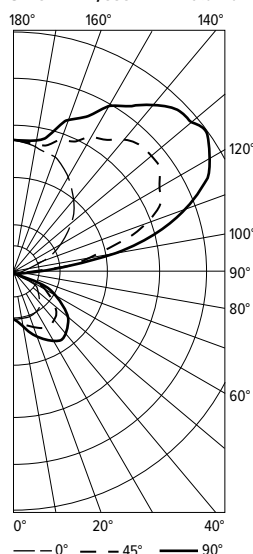
**SDI5-4-L27/835-144W/DMA** Total Luminaire Output: 10399 lumens; 101 Watts | Efficacy: 103 lm/W | 82.8 CRI; 3500K CCT



Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	212	212	212	
5	220	220	220	21
15	236	257	278	71
25	222	276	331	127
35	228	313	401	194
45	193	288	401	230
55	165	257	362	231
65	107	175	255	175
75	41	78	107	82
85	2	12	12	14
90	0	0	0	2
95	31	119	58	239
105	241	1218	1666	1140
115	609	1798	2411	1625
125	963	2039	2655	1714
135	1282	2141	2662	1574
145	1535	2061	2431	1273
155	1740	1986	2262	933
165	1882	1940	2024	563
175	2032	2032	2039	193
180	2036	2036	2036	

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	219	2
	0 - 40	413	4
	0 - 60	874	8
	0 - 90	1145	11
	90 - 120	3004	29
	90 - 150	7564	73
	90 - 180	9254	89
	0 - 180	10399	100

**SDI5-4-L27/835-DMA** Total Luminaire Output: 11013 lumens; 102 Watts | Efficacy: 108 lm/W | 82.8 CRI; 3500K CCT

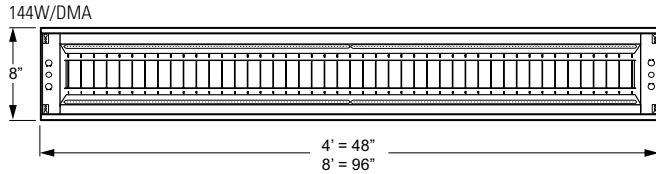
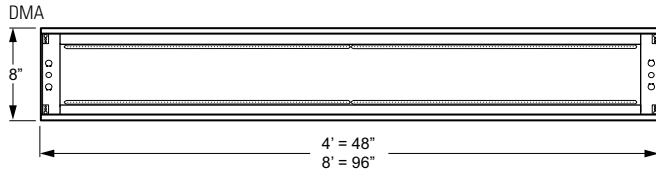


Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	500	500	500	
5	513	519	526	50
15	523	586	650	165
25	504	657	795	301
35	489	713	900	438
45	426	672	862	509
55	358	562	715	490
65	256	401	498	384
75	131	202	250	213
85	26	54	62	59
90	0	4	4	
95	30	86	43	231
105	194	1139	1503	1079
115	474	1809	2345	1583
125	734	1994	2641	1643
135	956	2001	2567	1446
145	1146	1805	2251	1104
155	1277	1611	1936	752
165	1383	1465	1583	426
175	1465	1473	1482	140
180	1465	1465	1465	

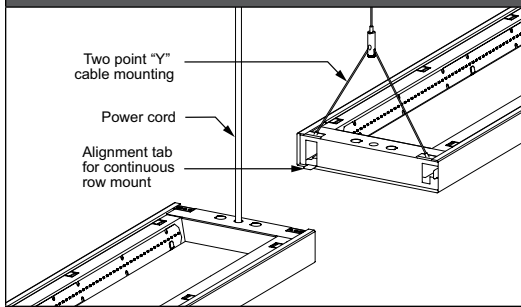
LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	515	5
	0 - 40	953	9
	0 - 60	1952	18
	0 - 90	2608	24
	90 - 120	2893	26
	90 - 150	7086	64
	90 - 180	8405	76
	0 - 180	11013	100

### FIXTURE DETAILS

#### BACK VIEW



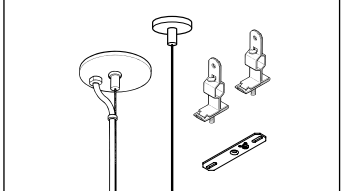
#### CONTINUOUS ROW DETAILS



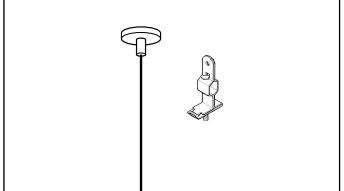
For continuous row mount, suspend fixture using aircraft cable at every fixture intersection and at both ends. Make the electrical connections using the plug-in wiring harness (provided). Install end plates on each end of the continuous row. Depending on installation method, cable mounting may require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

#### STANDARD HARDWARE (Grid and Hardpan)

##### FEEDER



##### JOINER



#### 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

