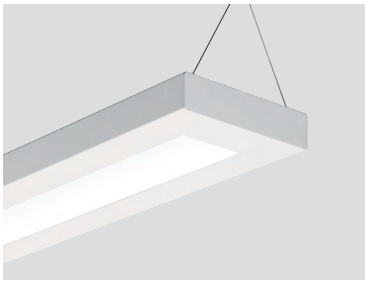
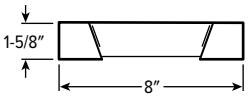
SDI5 LED
Suspended Direct/Indirect





CATALOG #:

TYPE:

PROJECT:

FEATURES

- Timeless architectural design blends seamlessly into the space
- Seven distributions for precision illumination
- Maximize energy savings with efficacies up to 148 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
- Support human-centric design with adaptive, individualized lighting using tunable white light
- Wireless in-fixture control solutions available
- 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.
- SHIELDIING – Diffuse acrylic downlight with clear acrylic uplight.
- 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. L70 > 50,000 hours. 50/60 Hz constant current driver. Tunable White products use LEDs of multiple 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.
  - UL 924 available, see Options.
  - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at hew.com/buy-american
- WARRANTY – 5-year limited warranty, see hew.com/warranty

ORDERING EXAMPLE: SDI5 - 4 - L27/835 - DMA - 70U/30D - ACY/D48 - OPTIONS - CONTROL/DIM - UNV

SERIES
SDI5

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/product-builder

LUMENS [1]
L16 1,600lm
L27 2,700lm

CRI
8 80
9 90

CCT
27 2700K
30 3000K
35 3500K
40 4000K
50 5000K
TW Tunable white (3000K-5000K)
TW2 Tunable white (2700K-6500K)

SHIELDING
DMA Diffuse matte acrylic lens, .080″ thick (standard)

DISTRIBUTION [2]
100U 100% uplight
90U/10D 90% uplight, 10% downlight
70U/30D 70% uplight, 30% downlight
50U/50D 50% uplight, 50% downlight
30U/70D 30% uplight, 70% downlight
10U/90D 10% uplight, 90% downlight
100D 100% downlight

MOUNTING (EXAMPLE: ACY/D48) [3]
Prefix: **ACY/**

Type:
D 1″ grid & hardpan
N 9/16″ grid
S Slot grid

Length:
24 24″
48 48″
96 96″

OPTIONS
See page 4 for FINISH OPTIONS.

EM/10WLP Low-profile 10-watt emergency battery

(L__) Additional lower lumen packages available [4] Example: 2,000 lumens = SDI5-4-L27/835-**(L20)**

FA Frosted acrylic uplight lens recommended for use in suspension heights less than 24″ [5]

GEN Approved for UL 924 emergency generator circuit through-feed wiring [6]

CONTROL
*Click **HERE** for control and sensor options.*

– None

DRIVER
See page 4 for ADDITIONAL DRIVER OPTIONS.

DIM Driver with external 0-10V dimming wires
DIM1 1 % Driver with external 0-10V dimming wires
DRV Driver without external dimming wires [7]

VOLTAGE
120 120V
277 277V
UNV 120-277V
347 347V [8]

NOTES
1. Lumens per foot output based on DMA Shielding, 80 CRI, 3500K for static white and 4000K for tunable white. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
2. Nominal distributions shown. Refer to photometric tests for exact distributions.
3. See page 3 for MOUNTING DETAILS.
4. (L5) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
5. Available with 100U, 90U/10D, 70U/30D only.
6. Maximum mounting height is 15.4′ (4.7 m). Minimum lumen output is 400 lm/ft. See hew.com/UL924 for details.
7. Not available with tunable white.
8. Not available with Tunable White or EM batteries.

SDI5 LED
Suspended Direct/Indirect

FIXTURE PERFORMANCE DATA

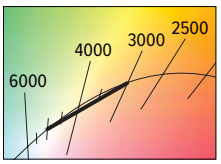
	LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS		TOTAL DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
			UPLIGHT	DOWNLIGHT			
4'	L16	100U	6292	0	6292	46.0	137
		90U/10D	6142	682	6824	46.0	148
		70U/30D	4656	1995	6651	46.0	145
		50U/50D	3222	3222	6445	46.0	140
		30U/70D	1856	4330	6185	46.0	134
		10U/90D	583	5250	5833	43.0	136
		100D	0	5720	5720	43.0	133
	L27	100U	10252	0	10252	78.0	131
		90U/10D	10007	1112	11119	78.0	143
		70U/30D	7586	3251	10837	78.0	139
		50U/50D	5251	5251	10501	78.0	135
		30U/70D	3024	7055	10078	78.0	129
		10U/90D	950	8554	9504	76.0	125
		100D	0	9320	9320	76.0	123
8'	L16	100U	12584	0	12584	92.0	137
		90U/10D	12283	1365	13648	92.0	148
		70U/30D	9311	3991	13302	92.0	145
		50U/50D	6445	6445	12890	92.0	140
		30U/70D	3711	8660	12371	92.0	134
		10U/90D	1167	10499	11666	86.0	136
		100D	0	11440	11440	86.0	133
	L27	100U	20504	0	20504	156.0	131
		90U/10D	20014	2224	22238	156.0	143
		70U/30D	15172	6502	21674	156.0	139
		50U/50D	10501	10501	21002	156.0	135
		30U/70D	6047	14110	20157	156.0	129
		10U/90D	1901	17107	19008	152.0	125
		100D	0	18640	18640	152.0	123

MULTIPLIER TABLES

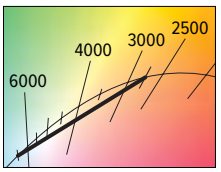
	COLOR TEMPERATURE			
	CCT	STANDARD	TW	TW2
80 CRI	2700K	0.97	–	0.93
	3000K	0.99	0.95	0.95
	3500K	1.00	0.98	0.98
	4000K	1.03	1.00	1.00
	5000K	1.06	0.96	1.02
	6500K	–	–	1.01
90 CRI	2700K	0.80	–	0.93
	3000K	0.82	0.91	0.95
	3500K	0.83	0.96	0.98
	4000K	0.86	1.00	1.00
	5000K	0.89	1.03	1.03
	6500K	–	–	1.02

- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI, 3500K for single CCT and 4000K for tunable white, 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 table to calculate additional options.
- POE PR fixture efficacy is typically 10-12% higher than shown at same lumen level. Consult factory during project design phase for details.

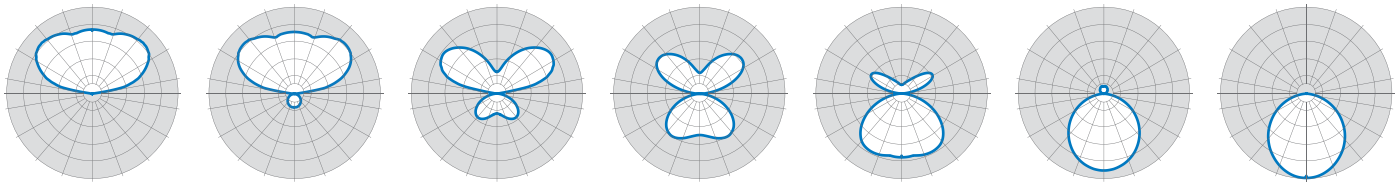
TW



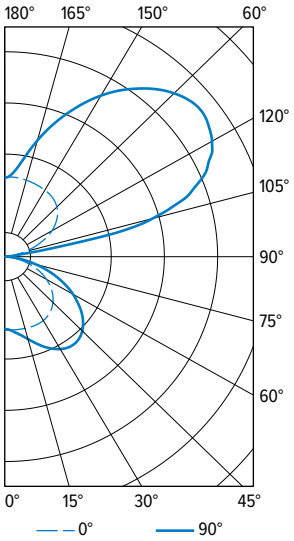
TW2



PHOTOMETRY



SDI5-4-L27/835-DMA-70U/30D-DRV-UNV Total Luminaire Output: 10837 lumens; 78 Watts | Efficacy: 139 lm/W | 80 CRI; 3500K CCT



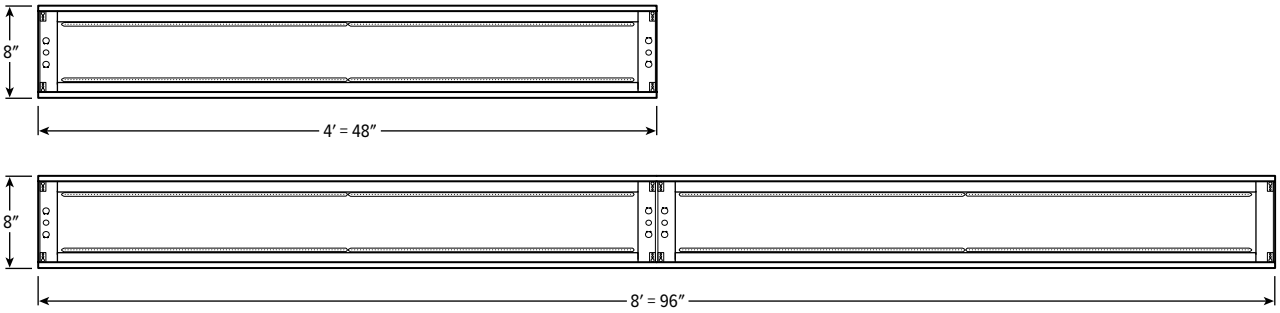
	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
CANDLEPOWER DISTRIBUTION	0	726	726	726	
	5	735	733	742	71
	15	742	789	850	226
	25	744	872	1007	405
	35	720	913	1096	570
	45	653	867	1053	663
	55	540	735	880	643
	65	387	522	625	507
	75	202	273	324	284
	85	35	52	62	64
	90	0	5	6	
	95	34	66	68	146
	105	214	1147	1473	1048
	115	432	1659	2154	1495
	125	601	1863	2371	1521
	135	706	1806	2305	1293
	145	756	1598	2036	946
	155	776	1315	1647	587
	165	791	998	1194	287
	175	798	808	831	80
	180	790	790	790	

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 30	702	7
	0 - 40	1272	12
	0 - 60	2578	24
	0 - 90	3433	32
	90 - 120	2689	25
	90 - 150	6450	60
	90 - 180	7404	68
	0 - 180	10837	100

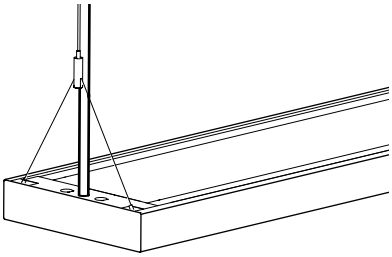
SDI5 LED
Suspended Direct/Indirect

FIXTURE DETAILS

BACKVIEW

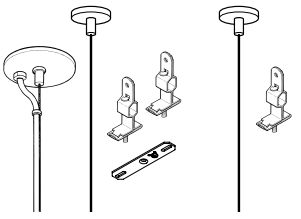


POWER ENTRY



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.

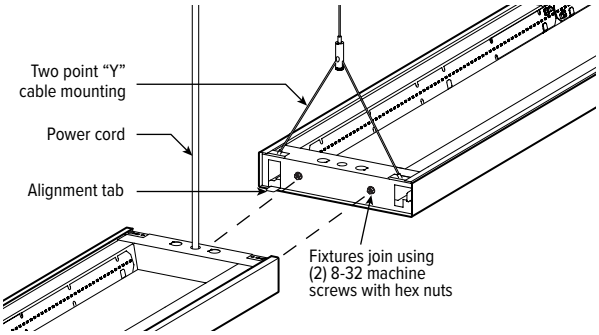
CORD FOR SUSPENDED PRODUCT

The linear builder uses the mounting length and driver type to auto-select the necessary cord. See details below. Long fixture rows may require multiple feed points based on 18ga conductor size.

EXAMPLE: S2438D/W				
CORD TYPE	**LENGTH**	**# OF COND.**	**WIRE SIZE**	**COLOR**
S	**24** 24″ **48** 48″ **96** 96″	**3** **4** **5** [1] **6** [1]	**8D** 18ga	**/W** White **/B** Black

[1] Includes (2) 22ga purple & pink dimming conductors

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.

SDI5 LED
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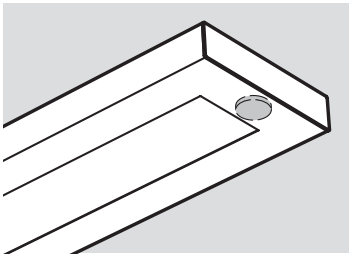
FINISH OPTIONS

WHITE | BLACK | BRONZE | NICKEL | SILVER | ALUM | RAL#____

For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1" square.

SENSOR & NODE PLACEMENT DETAILS



ADDITIONAL DRIVER OPTIONS

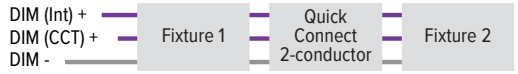
Note: Restrictions may apply, consult product builder at hew.com/product-builder

CATALOG NUMBER	DESCRIPTION
DRV [1]	Driver without external dimming wires prewired for non-dimming applications
DIM	Driver with external dimming wires prewired for 0-10V low voltage applications (tunable white: (1) 0-10V signal controls dimming and (1) 0-10V signal controls CCT)
DIM1	1% driver with external dimming wires prewired for 0-10V low voltage applications
DIM LINE [1]	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC [1]	Line voltage dimming driver (TRIAC compatible, 120V only)
DA	Driver with 12V auxiliary power, without external dimming wires (not available with 347V)
DSR	DALI-2 sensor-ready driver without external dimming wires (Not available with 347V. Static CCTs use D4i DALI-2 driver)
DALI	DALI dimming driver
DMX	Driver prewired for DMX applications
SD40 [1]	40% step-dimming driver
SD50 [1]	50% step-dimming driver
LDE1 [1]	Lutron Hi-lume 1% EcoSystem dimming driver
LD2	Lutron DALI-2 digital driver, 1%
PoE PR	Power over Ethernet-ready, fixture powered and controlled by remote UL- or CSA-listed PoE driver

[1] Single CCT only.

TUNABLE WHITE DRIVER DETAILS

DIM



DMX

DALI

LD2