



Day-Brite/CFI SDS Strip LED Selectable is an economical, lumen and CCT field selectable luminaire options with occupancy sensor ideal for commercial or residential applications.

Project: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Cat.No: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Qty: \_\_\_\_\_  
 Notes: \_\_\_\_\_

#### Ordering guide (standard & wireless controls)

example: SDS21224LCST-UN3-DIM-OCC

Series	Size	Lumens (nominal delivered)	Color (CRI/CCT)	Voltage	Driver	Sensor
SDS -	-	-	CST -	UN3 -	DIM -	
SDS Linear Strip	2 2' length	<b>1224L</b> 1200/1800/2400lm Field Selectable	<b>CST</b> 80CRI, Color Select (3500/4000/5000K)	<b>UN3</b> 120-347V	<b>DIM</b> 0-10V Dimming	<b>OCC</b> Occupancy Sensor <sup>1</sup> --- None <sup>2</sup>
	4 4' length	<b>2550L</b> 2500/3600/5000lm Field Selectable <b>55L</b> 5500lm (no sensor)				
	8 8' length	<b>4998L</b> 4900/7300/9800lm Field Selectable <b>130L</b> 13000lm (no sensor)				

1. The lumen selectable versions come with a sensor standard  
 2. The none lumen selectable versions do not have a sensor

#### Accessories (order separately)

- **MD360** Field installable motion detector ON/OFF (120-277V) ("None" sensor versions only)
- **MD360D** Field installable motion detector ON/DIM (120-277V) ("None" sensor versions only)
- **FKR-126** Two 5' chains and "V" hooks
- **SDS2-WG** SDS Linear Strip 2FT Wireguard
- **SDS4-WG** SDS Linear Strip 4FT Wireguard
- **SDS-JP** SDS Linear Strip Joint Plate
- **SV5F12 12"** White stem and canopy kit (1/4" trade size with locknuts included)
- **SV5F18 18"** White stem and canopy kit (1/4" trade size with locknuts included)
- **SV5F24 24"** White stem and canopy kit (1/4" trade size with locknuts included)
- **SV5F36 36"** White stem and canopy kit (1/4" trade size with locknuts included)
- **SV5F48 48"** White stem and canopy kit (1/4" trade size with locknuts included)
- **DACHxx** Adjustable cable hanger kit (single)
- **DACHxx-1-SC** Adjustable cable hanger kit with white straight 18/3 cord (single)
- **DACHxx-2-SC** Adjustable cable hanger kit with white straight 18/4 cord (single)
- **DACHxx-1D-SC** Adjustable cable hanger kit with white straight 18/5 cord with dimming leads (single)  
(xx=cable length in inches, enter 48" to 180" lengths in 12" increments)

Many luminaire components, such as reflectors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.

#### Features

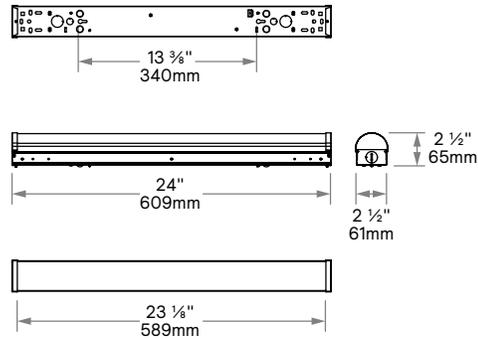
- White painted metal housing for durability.
- Frosted PC lens for even, low glare lighting.
- Three field selectable lumen options on the sensor versions. (Mid output default).
- Two fixed lumen options in 4FT and 8FT none sensor versions.
- Three field selectable CCT options on all sizes and models. (4000K default).
- Safety cable between lens/LED assembly and housing for ease of service and installation.
- Easy hanging installation with holes provided in housing.
- Occupancy sensor comes standard with all sizes.
- Integrate microwave occupancy sensor with three alternative settings to chose from:
  - **Sensor Mode 1 - 0-10V**  
- Sensor fully OFF
  - **Sensor Mode 2 - Dim0%**  
- When movement detected 100%, when no movement is detected dims to OFF (Default)
  - **Sensor Mode 3 - Dim20%**  
- When movement detected 100%, when no movement is detected dims to 20%
- cULus listed to meet UL 1598 standards for -20C to 40C ambient.
- Suitable for damp locations.
- L80 LED predicted lumen maintenance >50,000 hours.
- 5 year limited luminaire warranty. Visit [www.signify.com/warranties](http://www.signify.com/warranties) for complete warranty information.
- DesignLights Consortium qualified. Please see the DLC QPL list for exact catalog numbers ([www.designlights.org/QPL](http://www.designlights.org/QPL))

# SDS Linear Strip

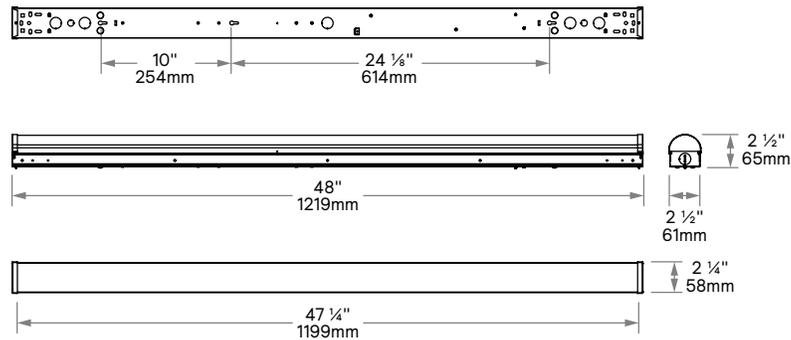
## Field Selectable Lumen & CCT

### Dimensions

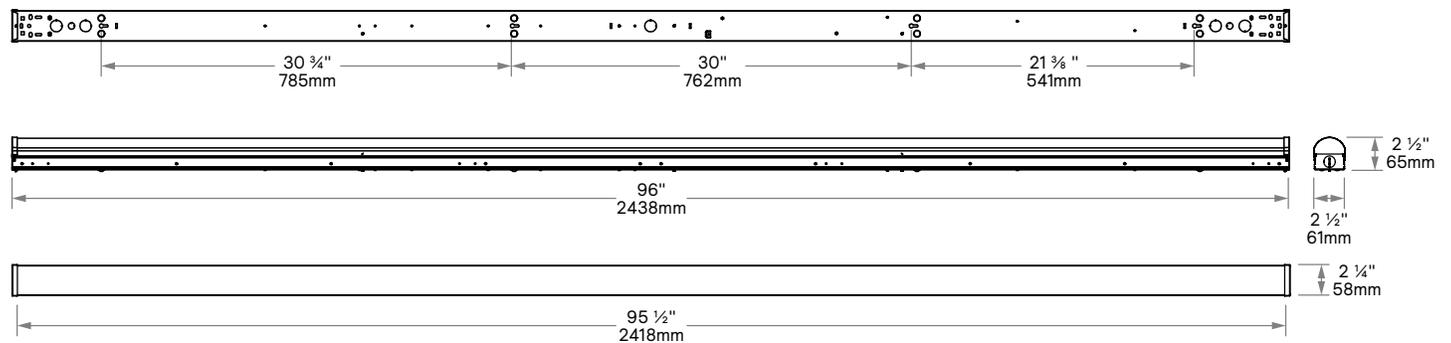
#### SDS 2 foot



#### SDS 4 foot



#### SDS 8 foot



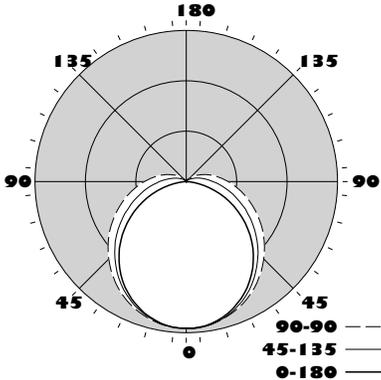
# SDS Linear Strip

## Field Selectable Lumen & CCT

### Photometry

SDS21224LCST-UN3-DIM-OCC 18W-4000K

Luminaire Lumens 2398  
 Luminaire Efficacy Rating (LER) 137  
 Total Luminaire Watts 17.5  
 Spacing Criterion (0-180) 1.22



Candela Distribution						Flux Lumens
	0	45	90	135	180	
0	671	671	671	671	671	
5	676	678	659	668	669	64
15	628	644	634	644	631	182
25	582	590	589	589	583	276
35	516	530	539	531	529	338
45	411	456	471	449	444	359
55	307	344	386	363	331	339
65	210	261	320	277	226	285
75	101	191	249	200	115	216
85	14	105	182	136	35	141
90	0	92	145	103	0	
95	1	67	119	82	6	90
105	4	39	79	41	0	55
115	0	19	43	19	0	29
125	0	2	31	6	0	14
135	0	0	17	14	6	6
145	1	0	16	0	1	2
155	0	0	0	3	1	1
165	3	0	0	0	0	1
175	0	6	4	1	8	0
180	0	0	0	0	0	

Coefficients of Utilization % (Based on a floor reflectance of 0.2)												
Pc---	80			70			50			0		
Pw---	70	50	30	10	70	50	30	50	30	10	0	
RCR	0	117	117	117	117	113	113	113	107	107	107	92
	1	105	99	94	89	101	96	91	90	86	83	72
	2	94	85	78	71	91	83	76	78	72	67	59
	3	86	74	66	58	82	72	64	68	61	55	49
	4	78	66	56	49	75	64	55	60	53	47	41
	5	72	58	49	42	69	57	48	54	46	40	35
	6	66	52	43	36	64	51	42	48	41	35	31
	7	61	47	38	32	59	46	38	44	36	31	27
	8	57	43	34	28	55	42	34	40	33	27	24
	9	53	39	31	25	51	39	31	37	30	25	22
	10	50	36	28	23	48	36	28	34	27	22	19

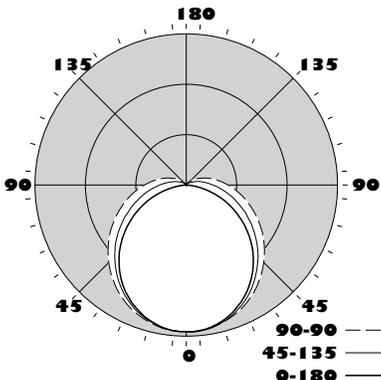
\* Based on a floor reflectance of 0.2

Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	522	21.8%	21.8%
0-40	860	35.9%	35.9%
0-60	1558	65.0%	65.0%
0-90	2200	91.8%	91.8%
90-130	188	7.8%	7.8%
90-150	196	8.2%	8.2%
90-180	198	8.2%	8.2%
0-180	2398	100.0%	100.0%

Avg. Luminance (cd/m²)			
	0	90	180
45	16042	17815	18382
55	14761	16534	18577
65	13737	17067	20908
75	10720	20365	26520
85	4363	33362	57649

SDS42550LCST-UN3-DIM-OCC 36W-4000K

Luminaire Lumens 4999  
 Luminaire Efficacy Rating (LER) 141  
 Total Luminaire Watts 35.5  
 Spacing Criterion (0-180) 1.22



Candela Distribution						Flux Lumens
	0	45	90	135	180	
0	1388	1388	1388	1388	1388	
5	1371	1416	1374	1383	1388	131
15	1311	1368	1347	1330	1323	377
25	1203	1277	1291	1255	1235	573
35	1064	1138	1206	1126	1088	700
45	879	984	1064	979	921	746
55	662	807	918	823	720	706
65	422	617	746	650	471	598
75	207	455	608	476	241	452
85	26	314	467	329	46	298
90	0	246	395	272	0	
95	1	194	328	209	5	191
105	9	113	229	127	0	117
115	7	57	155	73	2	65
125	0	31	73	30	0	29
135	0	8	37	23	7	11
145	0	1	15	1	0	3
155	0	1	7	0	0	1
165	2	4	2	0	0	1
175	7	7	0	4	0	0
180	2	2	2	2	2	

Coefficients of Utilization % (Based on a floor reflectance of 0.2)												
Pc---	80			70			50			0		
Pw---	70	50	30	10	70	50	30	50	30	10	0	
RCR	0	117	117	117	117	113	113	113	106	106	106	92
	1	105	99	94	89	101	96	91	90	86	83	72
	2	94	85	78	71	91	83	76	78	72	67	59
	3	86	74	65	58	82	72	64	68	61	55	48
	4	78	65	56	49	75	63	55	60	52	47	41
	5	72	58	49	42	69	57	48	54	46	40	35
	6	66	52	43	36	64	51	42	48	40	35	31
	7	61	47	38	32	59	46	37	44	36	31	27
	8	57	43	34	28	55	42	34	40	33	27	24
	9	53	39	31	25	51	38	30	37	29	24	21
	10	50	36	28	23	48	35	28	34	27	22	19

\* Based on a floor reflectance of 0.2

Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	1081	21.6%	21.6%
0-40	1781	35.6%	35.6%
0-60	3232	64.7%	64.7%
0-90	4581	91.6%	91.6%
90-130	401	8.0%	8.0%
90-150	415	8.3%	8.3%
90-180	418	8.4%	8.4%
0-180	4999	100.0%	100.0%

Avg. Luminance (cd/m²)			
	0	90	180
45	34295	38406	41542
55	31828	38822	44186
65	27541	40314	48692
75	22067	48468	64846
85	8122	99316	147842

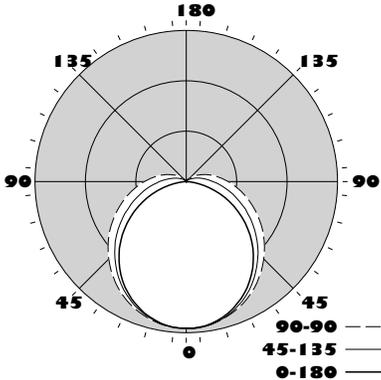
# SDS Linear Strip

## Field Selectable Lumen & CCT

### Photometry

SDS84998LCST-UN3-DIM-OCC 72W-4000K

Luminaire Lumens 9953  
 Luminaire Efficacy Rating (LER) 138  
 Total Luminaire Watts 72  
 Spacing Criterion (0-180) 1.26



Candela Distribution						Flux
	0	45	90	135	180	Lumens
0	2595	2595	2595	2595	2595	
5	2556	2560	2566	2570	2574	248
15	2477	2491	2508	2521	2533	712
25	2284	2314	2360	2363	2371	1089
35	2035	2095	2178	2161	2150	1340
45	1730	1833	1961	1913	1870	1447
55	1323	1517	1696	1602	1479	1394
65	884	1199	1423	1284	1046	1209
75	413	878	1141	959	571	932
85	138	613	878	680	196	646
90	1	481	746	541	8	
95	1	395	641	446	6	421
105	1	223	431	256	1	252
115	1	132	284	152	1	144
125	1	66	166	77	1	72
135	2	25	79	30	2	31
145	2	12	38	14	2	11
155	2	4	12	5	3	4
165	3	3	3	3	3	1
175	3	3	3	3	3	0
180	3	3	3	3	3	

Coefficients of Utilization % (Based on a floor reflectance of 0.2)												
Pc---		80			70			50			0	
Pw---		70	50	30	10	70	50	30	50	30	10	0
RCR	0	117	117	117	117	113	113	113	106	106	106	91
	1	102	95	89	83	98	91	86	85	81	76	66
	2	91	80	71	64	87	77	69	72	65	60	51
	3	82	69	59	51	78	67	58	62	55	48	41
	4	74	60	50	42	71	58	49	55	46	40	34
	5	68	53	43	36	65	52	42	48	40	34	29
	6	62	48	38	30	60	46	37	43	35	29	25
	7	57	43	33	26	55	41	32	39	31	25	21
	8	53	39	29	23	51	37	29	35	27	22	18
	9	49	35	26	20	47	34	26	32	25	19	16
	10	46	32	24	18	44	31	23	29	22	17	14

\* Based on a floor reflectance of 0.2

Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	2150	21.6%	21.6%
0-40	3543	35.6%	35.6%
0-60	6459	64.9%	64.9%
0-90	9127	91.7%	91.7%
90-130	796	8.0%	8.0%
90-150	816	8.2%	8.2%
90-180	826	8.3%	8.3%
0-180	9953	100.0%	100.0%

Avg. Luminance (cd/m²)			
	0	90	180
45	16964	17974	19232
55	15996	18339	20508
65	14506	19667	23346
75	11056	23518	30563
85	10981	48805	69829

### Photometric Test List

Catalog No.	Delivered Lumens	Input Watts	Efficacy
SDS21224LCST-UN3-DIM-OCC	1199	9W	129
SDS21224LCST-UN3-DIM-OCC	1798	13W	138
SDS21224LCST-UN3-DIM-OCC	2398	18W	137
SDS42550LCST-UN3-DIM-OCC	2499	18W	139
SDS42550LCST-UN3-DIM-OCC	3599	26W	141
SDS42550LCST-UN3-DIM-OCC	4999	36W	141
SDS84998LCST-UN3-DIM-OCC	4950	36W	141
SDS84998LCST-UN3-DIM-OCC	7539	53W	144
SDS84998LCST-UN3-DIM-OCC	9953	72W	138
SDS455LCST-UN3-DIM	5498	39W	141
SDS8130LCST-UN3-DIM	13203	85W	155

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