Day-Brite

CFI

by signify

Linear

SCD Wide strip

2ft, 3ft & 4ft

The SCD Wide strip LED from Day-Brite/CFI, is an economical luminaire delivering the right light required for commercial or residential applications.

Project:

Location:

Cat.No:

Type:

Lumens: Qty:

Notes:

Ordering guide

Example: SCD450L840-UNV

Series	Length (nominal)	Lumens[1] (nominal)	Color temp. (K)	Voltage
SCD			840 –	UNV
SCD Wide strip LED	**2** 2′ length	**20L** 2000 lumens	**840** 80 CRI, 4000K	**UNV** Universal voltage 120-277V(non-dimmable)
	3 3′ length	**30L** 3000 lumens		
	4 4′ length	**28L** 2800 lumens **50L** 5000 lumens		

1. Nominal delivered lumens at 25°C ambient.

All options are factory installed.

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 acrylic lens for even, low glare lighting.
- Hardware for surface mounting included.
- Easy hanging installation with holes provided in housing.
- cULus listed to meet UL 1598 standards for -10C to 35C ambient.
- Suitable for damp locations.
- 5 Year Limited Warranty.

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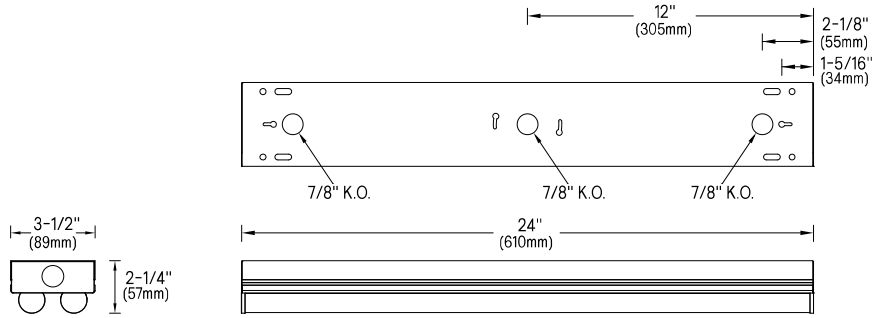
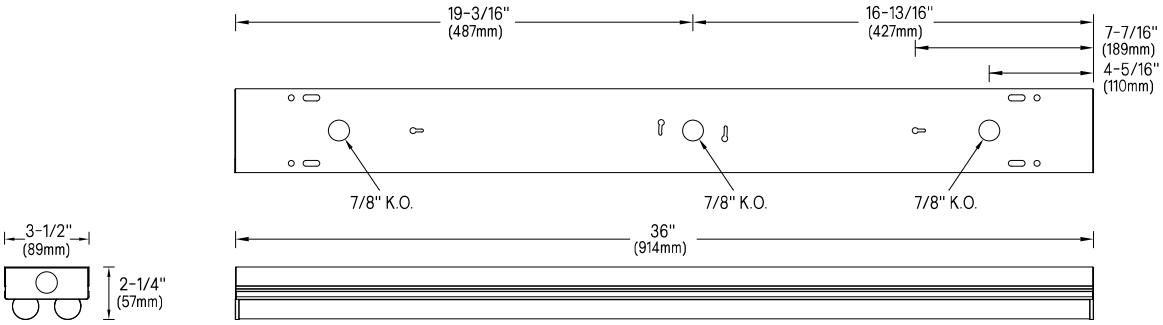
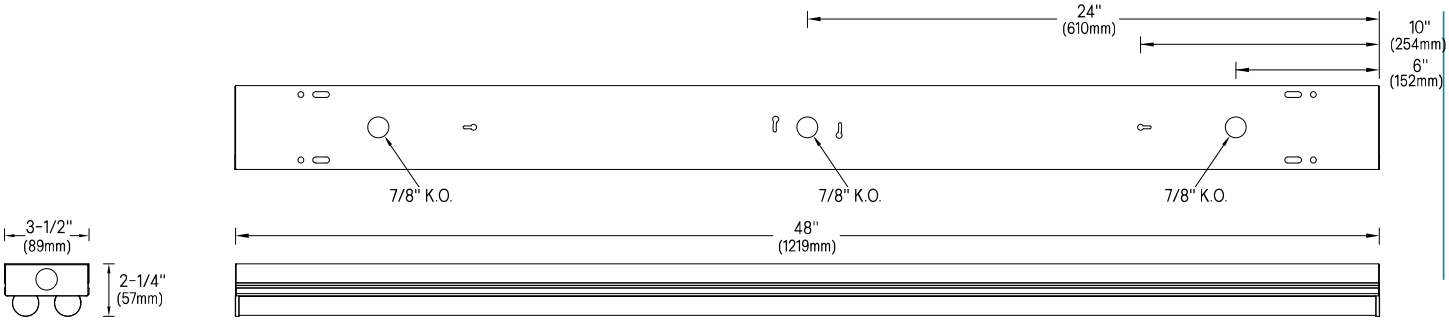
Dimensions







SCD Wide strip LED

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Photometry

2' Wide strip LED, 2,000 nominal delivered lumens

Catalog No.	SCD220L840-UNV
Test No.	4788764693_1
S/MH	1.2
Lamp Type	LED
Lumens	2116
LPW	105
Input Watts	20

Comparative yearly lighting energy cost per 1000 lumens – **$2.29** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross	Back-45
0	596	596	596	596
5	596	595	590	594
15	569	572	572	571
25	517	531	542	529
35	448	477	503	475
45	366	417	457	412
55	273	348	395	342
65	178	273	307	268
75	84	178	204	174
85	8	88	118	83
95	0	57	91	53
105	0	34	64	29
115	2	16	25	16
125	0	2	28	1
135	0	0	2	0
145	0	0	0	0
155	0	0	0	0
165	0	0	0	0
175	0	0	0	0

Light Distribution

Degrees	Lumens	% Luminaire
0-30	467	22.1
0-40	771	36.5
0-60	1418	67.0
0-90	2004	94.7
90-180	112	5.3
0-180	2116	100.0

Average Luminance

Angle	End	45°	Cross
45	10693	10110	10519
55	9687	9562	10163
65	8320	8991	9253
75	6103	7568	7711
85	1304	5529	6273

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	114	114	114	108	108
1	105	100	95	102	97	92	92	88
2	95	86	78	92	83	76	79	73
3	86	75	66	83	73	64	69	62
4	79	66	56	76	64	55	61	53
5	72	58	49	69	57	48	54	46
6	66	52	43	64	51	42	49	41
7	61	47	38	59	46	38	44	37
8	57	43	34	55	42	34	40	33
9	53	39	31	52	39	31	37	30
10	50	36	28	48	36	28	34	27

3' Wide strip LED, 3,000 nominal delivered lumens

Catalog No.	SCD330L840-UNV
Test No.	4788764693_5
S/MH	1.3
Lamp Type	LED
Lumens	3188
LPW	109
Input Watts	29

Comparative yearly lighting energy cost per 1000 lumens – **$2.20** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross	Back-45
0	861	861	861	861
5	860	856	863	862
15	828	841	849	827
25	762	792	814	775
35	671	727	770	705
45	560	643	710	622
55	434	553	635	528
65	299	452	531	430
75	165	338	389	306
85	49	207	255	177
95	9	117	171	115
105	8	83	135	79
115	8	36	87	41
125	7	15	43	20
135	7	6	21	6
145	7	5	5	5
155	6	5	3	5
165	6	5	4	6
175	6	6	4	6

Light Distribution

Degrees	Lumens	% Luminaire
0-30	672	22.1
0-40	1113	34.9
0-60	2056	64.5
0-90	2939	92.2
90-180	249	7.8
0-180	3188	100.0

Average Luminance

Angle	End	45°	Cross
45	11068	10476	10901
55	10444	10245	10902
65	9586	10049	10690
75	8293	9776	9829
85	6166	8957	9018

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	117	117	117	114	114	114	107	107
1	105	99	94	101	96	91	90	87
2	94	85	77	91	83	76	78	72
3	85	74	65	82	72	64	68	61
4	78	65	56	75	63	54	60	52
5	71	58	48	69	56	47	53	45
6	66	52	42	63	50	42	48	40
7	61	47	38	59	46	37	43	36
8	57	43	34	55	42	33	40	32
9	53	39	31	51	38	30	36	29
10	49	36	28	48	35	27	34	27

Photometry continues on next page.

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Photometry (cont'd)

4' Wide strip LED, 2,800 nominal delivered lumens

Catalog No.	SCD428L840-UNV
Test No.	4788764693_1
S/MH	1.2
Lamp Type	LED
Lumens	2915
LPW	119
Input Watts	24

Comparative yearly lighting energy cost per 1000 lumens – **$2.00** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross	Back-45
0	767	767	767	767
5	764	767	764	768
15	732	744	750	742
25	671	700	723	700
35	586	642	683	637
45	484	572	629	563
55	367	489	565	478
65	244	403	474	392
75	120	290	347	288
85	25	168	224	166
95	3	107	155	95
105	2	78	115	64
115	2	40	70	25
125	2	21	42	11
135	3	4	19	2
145	3	3	2	2
155	3	3	1	3
165	3	3	2	3
175	4	4	3	4

Light Distribution

Degrees	Lumens	% Luminaire
0-30	604	20.7
0-40	1002	34.4
0-60	1862	63.9
0-90	2685	92.1
90-180	230	7.9
0-180	2915	100.0

Average Luminance

Angle	End	45°	Cross
45	7212	7018	7249
55	6692	6830	7273
65	5946	6764	7157
75	4644	6351	6571
85	2501	5544	5937

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	117	117	117	114	114	114	107	107
1	105	99	94	101	96	91	90	86
2	94	85	77	91	82	75	77	71
3	85	74	65	82	71	63	67	60
4	78	65	55	75	63	54	59	52
5	71	58	48	68	56	47	53	45
6	66	52	42	63	50	41	48	40
7	61	47	37	58	45	37	43	35
8	56	42	34	54	41	33	39	32
9	53	39	30	51	38	30	36	29
10	49	36	28	48	35	27	33	26

4' Wide strip LED, 5,000 nominal delivered lumens

Catalog No.	SCD450L840-UNV
Test No.	4788764693_3
S/MH	1.2
Lamp Type	LED
Lumens	5498
LPW	107
Input Watts	51

Comparative yearly lighting energy cost per 1000 lumens – **$2.12** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross	Back-45
0	1470	1470	1470	1470
5	1461	1456	1458	1471
15	1386	1393	1414	1426
25	1261	1297	1341	1334
35	1093	1161	1249	1210
45	891	1015	1138	1064
55	667	850	1000	898
65	430	677	809	726
75	203	462	571	523
85	30	244	353	290
95	5	173	269	174
105	4	121	197	118
115	4	56	136	43
125	4	23	62	17
135	4	4	24	4
145	5	4	2	5
155	6	5	3	5
165	6	6	4	6
175	7	7	5	7

Light Distribution

Degrees	Lumens	% Luminaire
0-30	1154	22.0
0-40	1911	34.8
0-60	3533	64.3
0-90	5075	92.3
90-180	423	7.7
0-180	5498	100.0

Average Luminance

Angle	End	45°	Cross
45	13288	12447	13111
55	12156	11859	12862
65	10484	11363	12203
75	7829	10120	10803
85	2983	8020	9343

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	117	117	117	114	114	114	107	107
1	105	99	94	101	96	91	90	86
2	94	85	77	91	82	75	77	72
3	85	74	65	82	72	63	67	61
4	78	65	56	75	63	54	60	52
5	71	58	48	69	56	47	53	45
6	66	52	42	63	50	42	48	40
7	61	47	38	59	46	37	43	36
8	57	43	34	54	41	33	39	32
9	53	39	30	51	38	30	36	29
10	49	36	28	48	35	27	33	26

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