



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: _____
 Notes: _____

Ordering guide

Example: SCD450L840-UNV

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

1. Nominal delivered lumens at 25°C ambient.

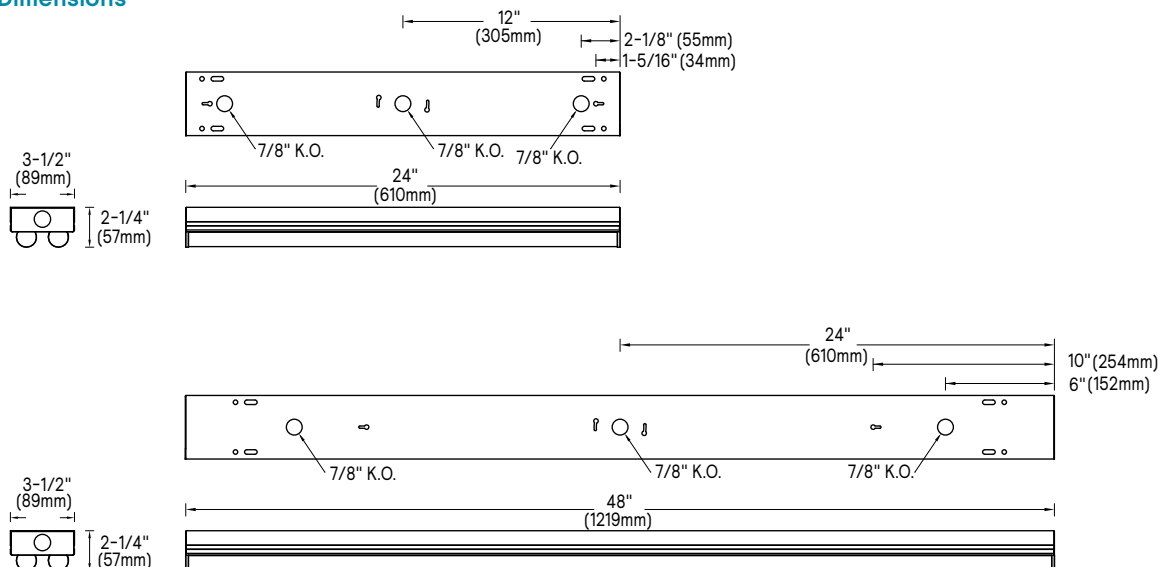
All options are factory installed.

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

Dimensions



SCD Wide strip LED

2ft & 4ft

Photometry

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

Catalog No.		Candlepower					Light Distribution			Average Luminance					
Catalog No.	SCD220L840-UNV	Angle	End	45	Cross	Back-45	Degrees	Lumens	% Luminaire	Angle	End	45'	Cross		
Test No.	4788764693_1	0	596	596	596	596	0-30	467	22.1	45	10693	10110	10519		
S/MH	1.2	5	596	595	590	594	0-40	771	36.5	55	9687	9562	10163		
Lamp Type	LED	15	569	572	572	571	0-60	1418	67.0	65	8320	8991	9253		
Lumens	2116	25	517	531	542	529	0-90	2004	94.7	75	6103	7568	7711		
LPW	105	35	448	477	503	475	90-180	112	5.3	85	1304	5529	6273		
Input Watts	20	45	366	417	457	412	0-180	2116	100.0						
Comparative yearly lighting energy cost per 1000 lumens – \$2.29 based on 3000 hrs. and \$.08 pwr KWH.		55	273	348	395	342	Coefficients of Utilization								
The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.		65	178	273	307	268	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)								
Photometric values based on test performed in compliance with LM-79.		75	84	178	204	174	pcc	80			70			50	
		85	8	88	118	83	pw	70	50	30	70	50	30	50	30
		95	0	57	91	53	RCR								
		105	0	34	64	29	0	118	118	118	114	114	114	108	108
		115	2	16	25	16	1	105	100	95	102	97	92	92	88
		125	0	2	28	1	2	95	86	78	92	83	76	79	73
		135	0	0	2	0	3	86	75	66	83	73	64	69	62
		145	0	0	0	0	4	79	66	56	76	64	55	61	53
		155	0	0	0	0	5	72	58	49	69	57	48	54	46
		165	0	0	0	0	6	66	52	43	64	51	42	49	41
		175	0	0	0	0	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

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

Catalog No.		Candlepower					Light Distribution			Average Luminance					
Catalog No.	SCD428L840-UNV	Angle	End	45	Cross	Back-45	Degrees	Lumens	% Luminaire	Angle	End	45'	Cross		
Test No.	4788764693_1	0	767	767	767	767	0-30	604	20.7	45	7212	7018	7249		
S/MH	1.2	5	764	767	764	768	0-40	1002	34.4	55	6692	6830	7273		
Lamp Type	LED	15	732	744	750	742	0-60	1862	63.9	65	5946	6764	7157		
Lumens	2915	25	671	700	723	700	0-90	2685	92.1	75	4644	6351	6571		
LPW	119	35	586	642	683	637	90-180	230	7.9	85	2501	5544	5937		
Input Watts	24	45	484	572	629	563	0-180	2915	100.0						
Comparative yearly lighting energy cost per 1000 lumens – \$2.00 based on 3000 hrs. and \$.08 pwr KWH.		55	367	489	565	478	Coefficients of Utilization								
The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.		65	244	403	474	392	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)								
Photometric values based on test performed in compliance with LM-79.		75	120	290	347	288	pcc	80			70			50	
		85	25	168	224	166	pw	70	50	30	70	50	30	50	30
		95	3	107	155	95	RCR								
		105	2	78	115	64	0	117	117	117	114	114	114	107	107
		115	2	40	70	25	1	105	99	94	101	96	91	90	86
		125	2	21	42	11	2	94	85	77	91	82	75	77	71
		135	3	4	19	2	3	85	74	65	82	71	63	67	60
		145	3	3	2	2	4	78	65	55	75	63	54	59	52
		155	3	3	1	3	5	71	58	48	68	56	47	53	45
		165	3	3	2	3	6	66	52	42	63	50	41	48	40
		175	4	4	3	4	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

Photometry continues on next page.

SCD Wide strip LED

2ft & 4ft

Photometry (cont'd)

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

Catalog No.	SCD450L840-UNV	Candlepower					Light Distribution			Average Luminance			
		Angle	End	45	Cross	Back-45	Degrees	Lumens	% Luminaire	Angle	End	45'	Cross
Test No.	4788764693_3	0	1470	1470	1470	1470	0-30	1154	22.0	45	13288	12447	13111
S/MH	1.2	5	1461	1456	1458	1471	0-40	1911	34.8	55	12156	11859	12862
Lamp Type	LED	15	1386	1393	1414	1426	0-60	3533	64.3	65	10484	11363	12203
Lumens	5498	25	1261	1297	1341	1334	0-90	5075	92.3	75	7829	10120	10803
LPW	107	35	1093	1161	1249	1210	90-180	423	7.7	85	2983	8020	9343
Input Watts	51	45	891	1015	1138	1064	0-180	5498	100.0				
		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							

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

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.



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