

Day-Brite CFI

by  Signify



Linear

Cubelite LED surface mount

2800 or 4700 lumens



Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

The Day-Brite / CFI Cubelite LED surface mount is a high performing LED luminaire delivering smooth diffuse light ideal for corridors, stairwells and vanity applications with the unparalleled energy efficiency of Signify LEDs.

Ordering guide

Example: CSW48-4740UDZTZO-GLR

Family	Length	Lumen Package ¹	Color Temperature	Voltage	Driver Type	Lens Type	Options
CSW	48 –					–	
CSW Cubelite surface luminaire	48 48" lamp/ fixture	28 2800 delivered lumens 47 4700 delivered lumens	40 4000K 35 3500K	U Universal voltage 120-277V 120 120V 3 347V	DZT 0-10V dimming driver SZT 100/40 step dimming driver (4700 lm only)	ZO Opal acrylic DB Prismatic 50% DR	B Black painted housing 9² Tamper resistant K³ Pull chain right L³ Pull chain left CO Convenience outlet (120V) EM Integral emergency driver, 1100lm nominal GLR Fusing, fast blow

Footnotes

- Nominal value.
- End covers with T-15 Torx screws. Bit provided.
- Pull Chain options K and L are available in 120V only.

Accessories (order separately)

- CSWCPL** White coupler for continuous row mounting
- CSBCPL** Black coupler for continuous row mounting

Replacement lenses (order separately)

- LN11665** Opal acrylic lens
- LN16784** Prismatic lens

CSW Cubelite LED surface mount

2800 or 4700 lumens

Features

- Only 4 3/4" deep.
- Delivers up to 4700lm per 4' (nominal) length.
- Individual or continuous row mounting.
- Ideal for corridors, washrooms, storage areas, and stairwells.
- Can be used in conjunction with occupancy sensors.
- Convenience outlet optional (CO).
- Spring-loaded end cap.
- Long life LEDs provide 50,000 hours of lumen maintenance free life (L70).
- Can be wall or ceiling mounted.
- Fully enclosed wiring and LED diodes.
- Right (K) or left (L) pull chain options are available for 120V configurations only.
- White painted housing standard. Black painted (B) housing optional.

Materials

- Chassis parts are die-formed heavy gauge cold rolled steel.

Finish

- Baked white acrylic enamel, phosphate undercoating.

Lens

- Three available lenses with extruded virgin acrylic diffuser:
 - Smooth opal acrylic diffuser (ZO) with 0.060" thickness. Provides maximum comfort from pixelated glare.
 - Clear prismatic lens (DB) with 0.125" thickness, 50% DR content.

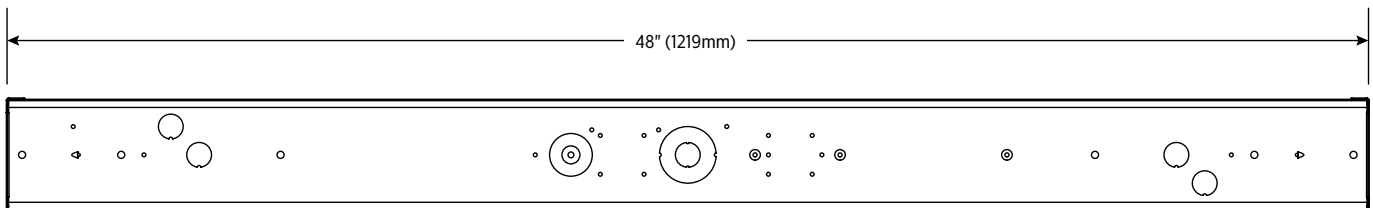
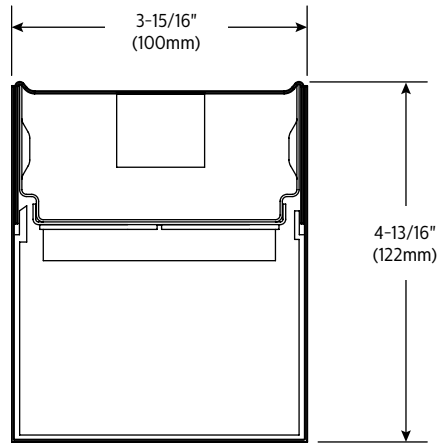
Electrical

- LED boards and drivers are RoHS (Restriction of Hazardous Substances) compliant. Predicted L70 lifetime based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.

Labels

- cETLus listed. Suitable for damp locations.

Dimensions



CSW Cubelite LED surface mount

2800 or 4700 lumens

2800 lm Performance

Catalog No. CSW48-2840UDZTZO

Lumen Package: 2800

Report Number: C12042

Delivered Lumens: 2751

Color: 4000K

Input Watts: 31.0

Efficacy: 88.7 lm/w

Lamp: LED

Luminaire: Cubelite 4' Fixture with (ZO) Opal Lens

CIE Type: Direct

Plane: 0° 90°

Spacing Criteria: 1.5 1.5

Plane: 0° 90°

Luminous Length: 4.000 48.000

Candela Distribution

Angle	0.0	45.0	90.0	Zonal Lumens
0	504	504	504	
5	503	513	495	49
15	485	519	511	144
25	451	510	517	230
35	401	488	505	296
45	339	451	476	332
55	264	396	431	334
65	180	326	371	299
75	91	246	301	236
85	15	176	237	172
90	2	161	223	
95	2	159	219	150
105	2	155	211	141
115	3	143	196	122
125	3	125	175	98
135	3	104	150	71
145	4	80	119	45
155	4	53	83	23
165	4	27	44	8
175	4	7	11	1
180	5	5	5	

1. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

2. Total efficiency.

Coefficients of Utilization

Ceiling	80%			50%			30%			
Wall	70	50	30	50	30	10	50	30	10	
RCR	Zonal Cavity Method									
Room Cavity Ratio	1	101	96	91	83	79	76	75	72	69
	2	91	83	76	71	66	61	64	60	56
	3	83	72	63	62	56	51	56	51	47
	4	76	64	55	55	48	43	50	44	40
	5	69	56	47	49	42	37	44	38	34
	6	64	50	41	44	37	31	40	34	29
	7	58	45	36	39	32	27	35	29	25
	8	54	40	32	35	28	23	32	26	22
	9	50	36	28	32	25	20	29	23	19
	10	46	33	25	29	22	18	27	21	17

Effective Floor Cavity Reflectance = 0.20

Luminance Data in Candela/Sq. Meter

Average in Degrees	Average 0°	Average 45°	Average 90°
45	3869.	5165.	5450.
55	3721.	5591.	6093.
65	3430.	6245.	7104.
75	2829.	7693.	9408.
85	1417.	16386.	22023.

Zonal Lumen Summary²

Zone	Lumens	% Luminaire
0-30	423	15.38
0-40	719	26.13
0-60	1385	50.34
0-90	2092	76.06
40-90	1374	49.93
60-90	708	25.72
90-180	659	23.94
0-180	2751	100.00

4700 lm Performance

Catalog No. CSW48-4740UDZTZO

Lumen Package: 4700

Report Number: C12045

Delivered Lumens: 4700

Color: 4000K

Input Watts: 52.1

Efficacy: 90.2 lm/w

Lamp: LED

Luminaire: Cubelite 4' Fixture with (ZO) Opal Lens

CIE Type: Direct-Indirect

Plane: 0° 90°

Spacing Criteria: 1.5 1.5

Plane: 0° 90°

Luminous Length: 4.000 48.000

Candela Distribution

Angle	0.0	45.0	90.0	Zonal Lumens
0	843	843	843	
5	841	858	830	82
15	811	868	860	241
25	753	856	872	386
35	670	821	856	497
45	566	760	811	561
55	441	669	739	565
65	300	554	639	510
75	151	422	523	406
85	25	305	417	298
90	2	281	392	
95	4	277	385	262
105	4	269	371	246
115	5	249	345	214
125	6	217	310	171
135	7	183	266	125
145	8	140	212	80
155	9	94	148	41
165	9	49	79	14
175	10	14	21	2
180	10	10	10	

1. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

2. Total efficiency.

Coefficients of Utilization

Ceiling	80%			50%			30%			
Wall	70	50	30	50	30	10	50	30	10	
RCR	Zonal Cavity Method									
Room Cavity Ratio	1	101	96	91	82	79	76	74	71	69
	2	91	83	75	71	66	61	64	60	56
	3	83	72	63	62	56	50	56	51	46
	4	76	63	54	55	48	43	50	44	40
	5	69	56	47	49	41	36	44	38	34
	6	63	50	41	43	36	31	39	33	29
	7	58	44	36	39	31	26	35	29	24
	8	54	40	32	35	28	23	32	26	21
	9	50	36	28	32	25	20	29	23	19
	10	46	33	25	29	22	18	26	20	16

Effective Floor Cavity Reflectance = 0.20

Luminance Data in Candela/Sq. Meter

Average in Degrees	Average 0°	Average 45°	Average 90°
45	6461.	8711.	9290.
55	6212.	9456.	10441.
65	5721.	10611.	12257.
75	4709.	13169.	16386.
85	2334.	28301.	38736.

Zonal Lumen Summary²

Zone	Lumens	% Luminaire
0-30	709	15.09
0-40	1207	25.67
0-60	2333	49.63
0-90	3546	75.44
40-90	2339	49.76
60-90	1213	25.81
90-180	1155	24.56
0-180	4700	100.00

