

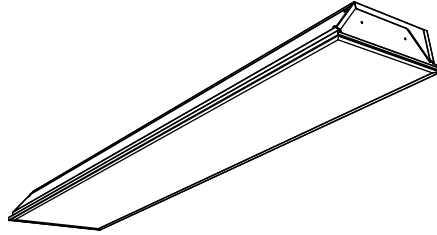
Day-Brite CFI

by Signify

Recessed

DayLED troffer 1x4

2700, 3400, 3900 or
4500 lumens



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

The Day-Brite / CFI DayLED troffer offers general lighting distribution excellent for ambient illumination. It features a sealed, maintenance free, low profile housing, along with a frameless design that maximizes its luminous aperture and provides a clean, attractive ceiling appearance.

Ordering guide

Example: 1LTG34L840-4-21-UNV-DIM

Width	Family	Ceiling Type	Lumen Package	Color Temp.	Length	Lens	Voltage	Driver	Options
1	LT	G		–	4	–	–	–	
1 1'	LT DayLED troffer	G Grid	27L 2700 nominal delivered lumens 34L 3400 nominal delivered lumens 39L 3900 nominal delivered lumens 45L 4500 nominal delivered lumens	840 80 CRI, 4000K 835 80 CRI, 3500K	4 4'	21 Pattern 12, .125" nominal 12 K-12, .156" nominal 19 K-19, .156" nominal See sheet 420-SR for other options	UNV Universal Voltage 120-277V 347 347V	DIM 0-10V dimming SDIM Step dimming to 40% input power	F1 3/8" flex, 3 wire 18 gauge 6' F2 3/8" flex, 4 wire 18 gauge 6' F1/D 3/8" twin flex, 3 wire 18 gauge 6' for dimmable luminaires F2/5W 3/8" single flex, 5 wire 18 gauge 6' for dimmable luminaires GLR Fusing, fast blow DSC Quick driver disconnect

Accessories (order separately)

- **FMA14** 1'x4" "F" mounting frame for NEMA "F" mounting



1LT DayLED troffer 1x4

2700, 3400, 3900 or 4500 lumens

Application

- High efficacy long life solid state lighting platform.
- General lighting distribution is excellent for ambient lighting.
- Lumen packages range from 4,000 to 7,100 lumens, providing flexibility to optimize light levels for a specific application.
- High CRI source provides excellent color rendering.
- LEDs are an excellent source for use with controls since frequent switching does not affect the life of the light source.

Construction/Finish

- Lower housing includes smooth edges for safe, easy handling.
- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- Sealed housing prevents the entry of dirt and bugs into the luminaire which eliminates the need for internal cleaning and reduces maintenance.

- T-bar clips are included.
- Suitable for use in clean room application.

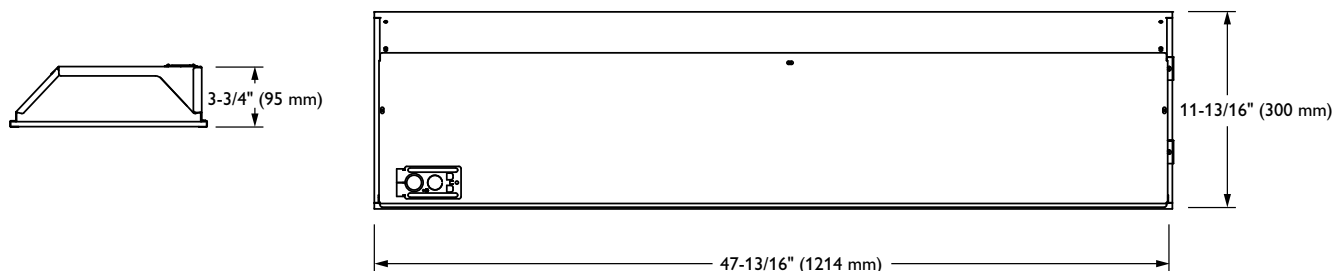
Electrical

- Driver and LED boards are accessible from above. LED boards are individually replaceable if required.
- ETL listed to UL standards, suitable for damp locations.
- Five-year luminaire warranty including LED boards and driver.
- High efficiency LEDs have 50,000 hour rated life (defined as 70% lumen maintenance.)
- Combinations are available providing up to 93 delivered lumens per Watt.
- Rated for clean room use – meets ISO14644-1 Class 5 (equivalent to Federal Standard No. 209E Class 100).
- Listed for used in insulated ceilings (Type IC).

Enclosure

- Standard sealed configuration does not include a door frame since cleaning and relamping are not required.
- Frameless design maximizes luminous aperture and provides a clean appearance.
- A variety of lenses are available to tailor the luminaire to the application.
- Contact factory for applications requiring a door frame.

Dimensions



Energy Data

Model	Initial Delivered Lumens at 25°C Ambient*	Input Power	Lumens Per Watt*
1LTG27L840-4-21	2,733	32W	85LPW
1LTG34L840-4-21	3,353	41W	82LPW
1LTG39L840-4-21	3,889	47W	83LPW
1LTG45L840-4-21	4,519	56W	81LPW

*3500K models are approx. 7% lower.

1LT DayLED troffer 1x4

2700, 3400, 3900 or 4500 lumens

DayLED troffer 1x4, 2700 nominal delivered lumens, standard lens

Catalog No. 1LTG27L840-4-21
 Test No. 30190
 S/MH 1.2
 Lamp Type 30W LED
 Lumens/Lamp 2733
 Input Watts 32

Candlepower			
Angle	End	45	Cross
0	1236	1236	1236
5	1235	1231	1228
10	1221	1217	1212
15	1193	1191	1186
20	1154	1151	1145
25	1098	1098	1090
30	1022	1022	1014
35	933	919	904
40	819	796	752
45	696	655	589
50	570	515	445
55	440	376	329
60	327	267	238
65	235	180	175
70	176	120	133
75	139	96	104
80	103	78	79
85	55	44	43

Comparative yearly lighting energy cost per 1000 lumens – \$2.82 based on 3000 hrs. and 5.08 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.

LER-85

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		115	115	115	111	111
1	110	106	102		107	103	100	98	95
2	101	93	88		98	92	85	88	83
3	93	83	76		91	81	75	79	72
4	85	75	67		83	73	66	70	65
5	80	68	59		78	67	58	65	57
6	73	61	53		71	60	53	58	52
7	68	56	47		67	56	47	54	46
8	64	52	44		63	51	42	50	42
9	59	47	40		58	46	40	46	39
10	56	44	36		55	44	35	42	35

Light Distribution			Average Luminance			
Degrees	Lumens	% Luminaire	Angle	End	45'	Cross
0-30	956	35.0	45	2951	2777	2497
0-40	1527	55.8	55	2300	1965	1720
0-60	2371	86.7	65	1667	1277	1241
0-90	2735	100.0	75	1610	1112	1205
			85	1892	1514	1479

DayLED troffer 1x4, 3400 nominal delivered lumens, standard lens

Catalog No. 1LTG34L840-4-21
 Test No. 30194
 S/MH 1.2
 Lamp Type 38W LED
 Lumens/Lamp 3353
 Input Watts 41

Candlepower			
Angle	End	45	Cross
0	1520	1520	1520
5	1524	1514	1510
10	1505	1495	1492
15	1471	1463	1457
20	1422	1414	1410
25	1351	1347	1341
30	1261	1256	1247
35	1147	1125	1103
40	1007	974	924
45	857	807	728
50	692	628	548
55	535	463	402
60	399	323	291
65	286	217	216
70	213	148	163
75	170	117	127
80	128	96	97
85	63	52	53

Comparative yearly lighting energy cost per 1000 lumens – \$2.93 based on 3000 hrs. and 5.08 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.

LER-82

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		115	115	115	111	111
1	110	106	102		107	103	100	98	95
2	101	93	88		98	92	85	89	83
3	93	83	76		91	81	75	79	73
4	85	75	67		83	73	66	71	65
5	80	68	59		78	67	58	65	57
6	73	61	53		71	60	53	58	52
7	68	56	47		67	56	47	54	46
8	64	52	44		63	51	42	50	42
9	59	47	40		58	46	40	46	39
10	56	44	36		56	44	36	42	35

Light Distribution			Average Luminance			
Degrees	Lumens	% Luminaire	Angle	End	45'	Cross
0-30	1176	35.1	45	3634	3422	3087
0-40	1876	55.9	55	2796	2420	2101
0-60	2911	86.8	65	2029	1539	1532
0-90	3354	100.0	75	1969	1355	1471
			85	2167	1789	1823

1LT DayLED troffer 1x4

2700, 3400, 3900 or 4500 lumens

DayLED troffer 1x4, 3900 nominal delivered lumens, standard lens

Catalog No. 1LTG39L840-4-21
 Test No. 30195
 S/MH 1.2
 Lamp Type 45W LED
 Lumens/Lamp 3889
 Input Watts 47

Comparative yearly lighting energy cost per 1000 lumens – \$2.89 based on 3000 hrs. and 5.08 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		Cross	
Angle	End	45	Cross
0	1759	1759	1759
5	1753	1751	1751
10	1733	1729	1729
15	1693	1687	1687
20	1640	1636	1636
25	1556	1552	1552
30	1454	1441	1441
35	1323	1283	1283
40	1163	1067	1067
45	986	840	840
50	809	631	631
55	619	464	464
60	464	341	341
65	330	252	252
70	247	192	192
75	198	149	149
80	147	113	113
85	79	61	64

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Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50		
	70	50	30	70	50	30	50	30	
pw	118	118	118	115	115	115	111	111	
RCR	110	106	102	107	103	100	98	95	
0	93	83	76	91	81	75	89	83	
1	85	75	67	83	73	66	79	72	
2	80	68	59	78	67	58	70	65	
3	73	61	53	71	60	53	65	57	
4	68	56	47	67	56	47	58	52	
5	64	52	44	63	51	42	54	46	
6	59	47	40	58	46	40	50	42	
7	56	44	36	56	44	35	46	39	
8							42	35	
9									
10									

Light Distribution

Degrees	Lumens	% Luminaire
0-30	1363	35.0
0-40	2174	55.9
0-60	3374	86.7
0-90	3891	100.0

Average Luminance

Angle	End	45°	Cross
45	4181	3956	3562
55	3235	2802	2425
65	2341	1795	1788
75	2294	1564	1726
85	2718	2098	2202

DayLED troffer 1x4, 4500 nominal delivered lumens, standard lens

Catalog No. 1LTG45L840-4-21
 Test No. 30196
 S/MH 1.2
 Lamp Type 53W LED
 Lumens/Lamp 4519
 Input Watts 56

Comparative yearly lighting energy cost per 1000 lumens – \$2.96 based on 3000 hrs. and 5.08 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		Cross	
Angle	End	45	Cross
0	2043	2043	2043
5	2040	2040	2025
10	2017	2017	2000
15	1970	1954	1954
20	1907	1892	1892
25	1814	1793	1793
30	1692	1669	1669
35	1542	1484	1484
40	1359	1238	1238
45	1149	974	974
50	932	736	736
55	727	536	536
60	540	391	391
65	391	292	292
70	290	200	221
75	229	158	172
80	171	131	132
85	91	71	72

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Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50		
	70	50	30	70	50	30	50	30	
pw	118	118	118	115	115	115	111	111	
RCR	110	106	102	107	103	100	98	95	
0	93	83	76	91	81	75	89	83	
1	85	75	67	83	73	66	79	72	
2	80	68	59	78	67	58	70	65	
3	73	61	53	71	60	53	65	57	
4	68	56	47	67	56	47	58	52	
5	64	52	44	63	51	42	54	46	
6	59	47	40	58	46	40	50	42	
7	56	44	36	56	44	35	46	39	
8							42	35	
9									
10									

Light Distribution

Degrees	Lumens	% Luminaire
0-30	1583	35.0
0-40	2526	55.9
0-60	3921	86.7
0-90	4521	100.0

Average Luminance

Angle	End	45°	Cross
45	4872	4588	4130
55	3800	3267	2802
65	2774	2071	2057
75	2653	1830	1992
85	3130	2442	2477

