

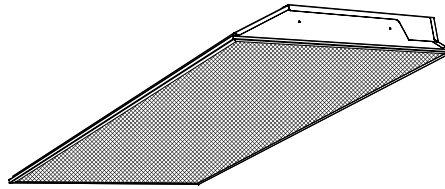
# Day-Brite CFI

by  Signify

## Recessed

DayLED troffer 2x4

4000, 4700, 5600 or  
7100 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: 2LTG56L840-4-21-UNV-DIM

Width	Family	Ceiling Type	Lumen Package	Color Temp.	Length	Lens	Voltage	Driver	Options
<input type="text" value="2"/>	<input type="text" value="LT"/>	<input type="text" value="G"/>		—	<input type="text" value="4"/> —	—	—	—	
2 2'	LT DayLED troffer	G Grid	<b>40L</b> 4000 nominal delivered lumens <b>47L</b> 4700 nominal delivered lumens <b>56L</b> 5600 nominal delivered lumens <b>71L</b> 7100 nominal delivered lumens	<b>840</b> 80 CRI, 4000K <b>835</b> 80 CRI, 3500K	4 4'	<b>21</b> Pattern 12, .125" nominal <b>12</b> K-12, .156" nominal <b>19</b> K-19, .156" nominal  See sheet 420-SR for other options	<b>UNV</b> Universal Voltage 120-277V <b>347</b> 347V	<b>DIM</b> 0-10V dimming <b>SDIM</b> Step dimming to 40% input power	<b>F1</b> 3/8" flex, 3 wire 18 gauge 6' <b>F2</b> 3/8" flex, 4 wire 18 gauge 6' <b>F1/D</b> 3/8" twin flex, 3 wire 18 gauge 6' for dimmable luminaires <b>F2/SW</b> 3/8" single flex, 5 wire 18 gauge 6' for dimmable luminaires <b>GLR</b> Fusing, fast blow <b>DSC</b> Quick driver disconnect

### Accessories (order separately)

- **FMA24** 2x4" "F" mounting frame for NEMA "F" mounting



# 2LT DayLED troffer 2x4

4000, 4700, 5600, or 7100 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.
- Suitable for use in clean room application.

## 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.
- 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).

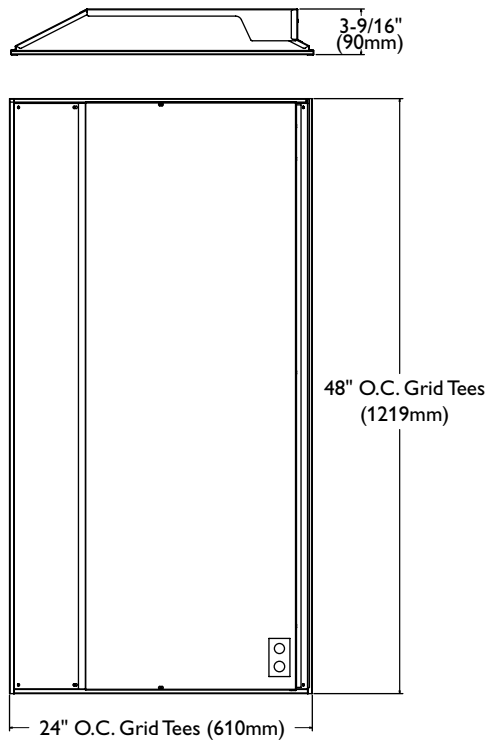
## Electrical

- 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.

## 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*
2LTG40L840-4-21	4,034	45W	90LPW
2LTG47L840-4-21	4,658	53W	88LPW
2LTG56L840-4-21	5,598	60W	93LPW
2LTG71L840-4-21	7,067	78W	91LPW

\*3500K models are approx. 7% lower.

# 2LT DayLED troffer 2x4

4000, 4700, 5600, or 7100 lumens

## DayLED troffer 2x4, 4000 nominal delivered lumens, standard lens

LER – 90

<b>Catalog No.</b> 2LTG40L840-4-21	<b>Test No.</b> 29847	<b>S/MH</b> 1.2	<b>Source</b> 45WLED	<b>Lumens/Lamp</b> 4034	<b>Input Watts</b> 45	<b>Candlepower</b>				<b>Light Distribution</b>			<b>Average Luminance</b>			
						<b>Angle</b>	<b>End</b>	<b>45</b>	<b>Cross</b>	<b>Degrees</b>	<b>Lumens</b>	<b>% Luminaire</b>	<b>Angle</b>	<b>End</b>	<b>45°</b>	<b>Cross</b>
Comparative yearly lighting energy cost per 1000 lumens – <b>\$2.67</b> 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.						0	1710	1710	1710	0-30	1324	32.8	45	2112	2123	2147
						5	1716	1706	1685	0-40	2134	52.9	55	1677	1634	1642
						10	1694	1681	1667	0-60	3441	85.3	65	1239	1105	1174
						15	1660	1645	1631	0-90	4034	100.0	75	1219	935	1042
						20	1600	1593	1581				85	1423	1248	1300
						25	1522	1520	1515							
						30	1420	1422	1428							
						35	1291	1298	1310							
						40	1141	1153	1166							
						45	975	980	991							
						50	798	793	798							
						55	628	612	615							
						60	473	447	450							
						65	342	305	324							
						70	262	211	234							
						75	206	158	176							
						80	150	123	130							
85	81	71	74													

## DayLED troffer 2x4, 4700 nominal delivered lumens, standard lens

LER – 88

<b>Catalog No.</b> 2LTG47L840-4-21	<b>Test No.</b> 29854	<b>S/MH</b> 1.2	<b>Source</b> 53WLED	<b>Lumens/Lamp</b> 4658	<b>Input Watts</b> 53	<b>Candlepower</b>				<b>Light Distribution</b>			<b>Average Luminance</b>			
						<b>Angle</b>	<b>End</b>	<b>45</b>	<b>Cross</b>	<b>Degrees</b>	<b>Lumens</b>	<b>% Luminaire</b>	<b>Angle</b>	<b>End</b>	<b>45°</b>	<b>Cross</b>
Comparative yearly lighting energy cost per 1000 lumens – <b>\$2.73</b> 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.						0	1973	1973	1973	0-30	1528	32.8	45	2435	2450	2465
						5	1978	1970	1944	0-40	2463	52.9	55	1936	1888	1896
						10	1956	1939	1921	0-60	3973	85.3	65	1446	1283	1348
						15	1915	1898	1880	0-90	4659	100.0	75	1408	1071	1201
						20	1851	1839	1823				85	1669	1441	1529
						25	1757	1751	1745							
						30	1641	1641	1647							
						35	1488	1497	1511							
						40	1318	1331	1346							
						45	1124	1131	1138							
						50	921	913	917							
						55	725	707	710							
						60	546	520	524							
						65	399	354	372							
						70	303	242	269							
						75	238	181	203							
						80	173	142	152							
85	95	82	87													

# 2LT DayLED troffer 2x4

4000, 4700, 5600, or 7100 lumens

## DayLED troffer 2x4, 5600 nominal delivered lumens, standard lens

LER – 93

		Candlepower				Light Distribution			Average Luminance			
Catalog No.	2LTG56L840-4-21	Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
Test No.	29832	0	2365	2365	2365	0-30	1831	32.7	45	2909	2952	2985
S/MH	1.2	5	2365	2357	2341	0-40	2952	52.7	55	2323	2272	2299
Source	60WLED	10	2338	2329	2313	0-60	4769	85.2	65	1747	1548	1671
Lumens/Lamp	5598	15	2285	2275	2263	0-90	5598	100.0	75	1704	1308	1450
Input Watts	60	20	2209	2201	2193							
		25	2098	2103	2099							
		30	1959	1968	1976							
		35	1781	1797	1816							
		40	1572	1597	1615							
		45	1343	1363	1378							
		50	1100	1102	1111							
		55	870	851	861							
		60	653	620	637							
		65	482	427	461							
		70	370	290	323							
		75	288	221	245							
		80	207	172	185							
		85	109	100	104							
Comparative yearly lighting energy cost per 1000 lumens – <b>\$2.58</b> 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.												
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	50	30		
RCR												
0	118	118	118	115	115	115	111	111	111	111		
1	110	105	101	107	103	98	98	95	98	95		
2	101	93	86	97	91	84	88	82	88	82		
3	92	82	75	90	81	73	78	71	78	71		
4	84	73	66	82	72	65	69	64	69	64		
5	79	67	57	77	66	57	63	56	63	56		
6	72	59	52	70	58	51	57	51	57	51		
7	68	55	46	66	54	46	53	46	53	46		
8	63	50	41	61	50	41	47	40	47	40		
9	58	46	39	57	46	38	45	38	45	38		
10	56	42	34	54	41	34	40	34	40	34		

## DayLED troffer 2x4, 7100 nominal delivered lumens, standard lens

LER – 91

		Candlepower				Light Distribution			Average Luminance			
Catalog No.	2LTG71L840-4-21	Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
Test No.	29838	0	2977	2977	2977	0-30	2309	32.7	45	3674	3713	3773
S/MH	1.2	5	2981	2970	2948	0-40	3723	52.7	55	2916	2873	2911
Source	76WLED	10	2942	2931	2911	0-60	6018	85.1	65	2182	1961	2091
Lumens/Lamp	7067	15	2882	2871	2849	0-90	7069	100.0	75	2148	1645	1834
Input Watts	78	20	2784	2774	2757							
		25	2651	2651	2643							
		30	2475	2481	2489							
		35	2246	2272	2287							
		40	1993	2022	2040							
		45	1696	1714	1742							
		50	1385	1390	1403							
		55	1092	1076	1090							
		60	827	791	807							
		65	602	541	577							
		70	460	372	415							
		75	363	278	310							
		80	261	216	232							
		85	138	125	135							
Comparative yearly lighting energy cost per 1000 lumens – <b>\$2.64</b> 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.												
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	50	30		
RCR												
0	118	118	118	115	115	115	111	111	111	111		
1	110	105	101	107	103	98	98	95	98	95		
2	101	93	86	97	91	84	88	82	88	82		
3	92	82	75	90	81	73	78	71	78	71		
4	84	73	66	82	72	65	69	64	69	64		
5	79	67	57	77	65	57	63	56	63	56		
6	72	59	52	70	58	51	57	51	57	51		
7	68	55	46	66	54	46	53	46	53	46		
8	63	50	41	61	50	41	47	40	47	40		
9	58	46	38	57	46	38	45	38	45	38		
10	56	42	34	54	41	34	40	34	40	34		

