

An affordable, energy efficient solution.

DAYLINE LED TROFFER 2'x4'



PHILIPS DAY-BRITE / PHILIPS CFI DAYLINE LED TROFFER 2'x4'

DayLine LED is an energy efficient shallow depth troffer designed specifically around LEDs. Developed utilizing a minimalistic strategy to achieve sustainable objectives, DayLine LED offers a clean appearance for a fresh variation from traditional lensed troffers. Its soft opal diffuser with large luminous area minimizes apparent brightness and provides general lighting perfect for a wide variety of general lighting applications such as offices, schools, retail, or healthcare.

Project: _____
 Location: _____
 Catalog No: _____
 Fixture Type: _____
 Mfg: _____ Lamps: _____ Qty: _____
 Notes: _____

Ordering guide

example: 2CLG41L840-4-D-UNV-DAYOCC

Width	Family	Ceiling Type	Lumen Package	Color	Length	Diffusers	Voltage	Options
2	CL	G			4	D	UNV	
2 2'	CL DayLine	G Grid	41L 4100 nominal delivered lumens 54L 5400 nominal delivered lumens 74L 7400 nominal delivered lumens	840 80 CRI, 4000K 835 80 CRI, 3500K	4 4'	D Diffuse (Opal)	UNV Universal voltage, 120-277 volt 347	F1 3/8" Flex, 3 Wire 18 gauge F2 3/8" Flex, 4 Wire 18 gauge GLR1 Fusing, Fast Blow DIM 0-10V dimming driver EMLED Integral emergency battery pack (41L and 54L only, consult factory for 74L) OCC Integral sensor, occupancy DAY Integral sensor, daylighting DAYOCC Integral sensor, daylighting and occupancy SDIM Step Dimming

Accessories (order separately)

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



PHILIPS
Day-Brite

PHILIPS
CFI

DAYLINE LED TROFFER 2'x4'

Application

- A highly efficient, visually comfortable, architecturally styled recessed LED luminaire designed with a minimalistic strategy to achieve sustainable objectives.
- Low profile configuration is only 2-3/4" high and is compatible with virtually any plenum.
- Clean design offers a fresh variation to traditional lensed troffers.
- Soft opal diffuser with large luminous area minimizes apparent brightness and provides high visual comfort perfect for a wide variety of general lighting applications like offices, schools, retail, or healthcare.
- Multiple lumen packages over a wide range to provide significant application flexibility over light levels and/or luminaire spacing.
- Directs a controlled amount of light to the higher angles in the room to balance the brightness of the surfaces and eliminate "cave effect" while creating the impression of a larger, brighter space without glare.
- Excellent color rendering with a CRI of 80.
- LEDs are an excellent source for use with controls since dimming or frequent switching does not degrade the performance or life of the source. Integral or external sensors are available for use.
- Designed for use with standard Grid (NEMA "G") or Narrow Grid (NEMA "NFG") ceiling T-bars. Drywall or plaster requirements can be accommodated by using an FMA24 "F" mounting frame (sold separately)

- Listed for use in insulated ceilings (**IC rated**).
- High efficiency source and luminaire design. Recommended light levels can frequently be achieved with lighting power densities of 0.5 to 0.85 Watts per square foot, complying with current energy codes.

Construction/Finish

- Uncomplicated design is well under 3" in depth and only requires a few parts outside of the electrical system and hardware, creating several benefits:
 - Less material required
 - Less packaging required
 - Reduced weight
 - Less energy required for construction and assembly
 - More luminaires can be shipped per truck to reduce fuel use and emissions
- Luminaire is painted after fabrication with a matte white polyester powder coating for a high quality, durable finish with no unfinished edges to create an installation hazard or potential for corrosion.
- T-bar grid clips are included for easy installation

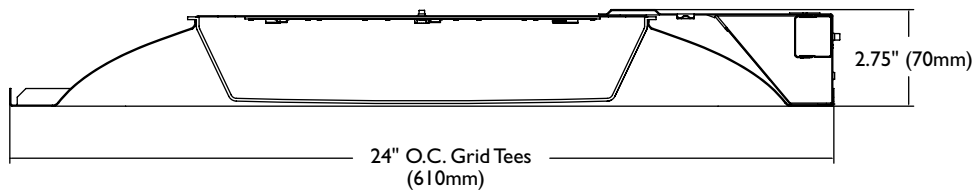
Electrical

- Integral sensor options for occupancy sensing and/or daylight harvesting are available for additional energy savings with no reduction of life or increase in installation labor.
- Total luminaire efficacy as high as 102 LPW (lumens per Watt).
- LED board is easily accessible from below without tools. Single LED board is replaceable if needed via plug-in connectors to ensure long service life.
- LED driver is accessible from above.
- 0-10V dimming and emergency options are available to add even more application flexibility. Emergency model depth may vary compared to standard luminaire.
- Five year limited luminaire warranty includes LED boards and driver (emergency driver and batteries have a three year warranty in models so equipped.)**
- High efficiency LEDs have a minimum 50,000 hour rated life (L_{70})
- ETL listed to UL and CSA standards, suitable for damp locations.

Enclosure

- Opal diffuser provides soft, comfortable lighting while maintaining high efficiency.
- Diffuser requires no frames or fasteners and can be easily removed from below without tools if needed.

Dimensions



* Special ordering requirements associated with these products. Please consult sales for more information.

**Please visit www.philips.com/warranties for full details

DAYLINE LED TROFFER 2'x4'

DayLine 2x4, 4100 delivered lumens

LER -102

Catalog No. 2CLG41L835-4-D-UNV
Test No. 31469
S/MH 1.3
Lamp Type LED
Lumens/Lamp 4085
Input Watts 40

Comparative yearly lighting energy cost per 1000 lumens – \$2.35 based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Philips 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		45		Cross
Angle	End			
0	1361	1361	1361	1361
5	1352	1355	1356	1356
10	1331	1336	1337	1337
15	1299	1303	1305	1305
20	1254	1262	1268	1268
25	1199	1211	1219	1219
30	1132	1148	1159	1159
35	1056	1079	1097	1097
40	974	1006	1028	1028
45	887	923	945	945
50	797	837	859	859
55	703	745	766	766
60	606	653	670	670
65	502	553	564	564
70	395	449	444	444
75	289	338	315	315
80	185	216	191	191
85	83	99	83	83

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	108	103	97		105	101	96		95	93
2	97	89	81		94	86	81		83	78
3	89	78	68		85	76	68		72	67
4	81	68	59		79	68	58		65	57
5	75	60	52		71	59	52		57	50
6	68	55	46		67	54	46		52	45
7	64	50	40		61	48	40		47	40
8	58	46	36		57	45	36		42	35
9	55	41	33		54	40	33		40	33
10	52	39	29		51	38	29		36	29

Light Distribution

Degrees	Lumens	% Luminaire	Average Luminance			Cross
			Angle	End	45°	
0-30	1054	25.8	45	1991	2072	2121
0-40	1729	42.3	55	1944	2062	2118
0-60	3102	75.9	65	1884	2076	2119
0-90	4086	100.0	75	1773	2069	1932
			85	1513	1800	1515

DayLine 2x4, 5400 delivered lumens

LER -97

Catalog No. 2CLG54L835-4-D-UNV
Test No. 31301
S/MH 1.3
Lamp Type LED
Lumens/Lamp 5448
Input Watts 56.3

Comparative yearly lighting energy cost per 1000 lumens – \$2.47 based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Philips 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		45		Cross
Angle	End			
0	1822	1822	1822	1822
5	1810	1815	1817	1817
10	1781	1788	1791	1791
15	1738	1745	1747	1747
20	1679	1690	1698	1698
25	1605	1620	1631	1631
30	1514	1534	1547	1547
35	1413	1440	1462	1462
40	1302	1340	1371	1371
45	1187	1230	1261	1261
50	1066	1115	1147	1147
55	941	993	1022	1022
60	811	870	892	892
65	671	737	748	748
70	529	596	584	584
75	388	446	415	415
80	247	285	251	251
85	109	130	107	107

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	108	103	98		105	101	96		95	93
2	97	89	81		94	86	81		83	78
3	89	78	69		85	76	68		72	67
4	81	68	59		79	68	58		65	57
5	75	60	52		72	59	52		57	50
6	68	55	46		67	54	46		52	45
7	64	50	40		61	48	40		47	40
8	58	46	36		57	45	36		44	35
9	55	41	33		54	40	33		40	33
10	52	39	30		51	38	29		36	29

Light Distribution

Degrees	Lumens	% Luminaire	Average Luminance			Cross
			Angle	End	45°	
0-30	1410	25.9	45	2664	2759	2829
0-40	2311	42.4	55	2604	2748	2827
0-60	4144	76.1	65	2520	2765	2808
0-90	5449	100.0	75	2377	2737	2542
			85	1981	2365	1955

DayLine 2x4, 7400 delivered lumens

LER -88

Catalog No. 2CLG74L835-4-D-UNV
Test No. 31299
S/MH 1.3
Lamp Type LED
Lumens/Lamp 7440
Input Watts 84.3

Comparative yearly lighting energy cost per 1000 lumens – \$2.73 based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Philips 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		45		Cross
Angle	End			
0	2490	2490	2490	2490
5	2473	2480	2482	2482
10	2434	2444	2447	2447
15	2376	2385	2387	2387
20	2296	2309	2320	2320
25	2194	2213	2229	2229
30	2076	2095	2114	2114
35	1936	1966	1999	1999
40	1785	1830	1874	1874
45	1626	1678	1724	1724
50	1461	1522	1568	1568
55	1290	1356	1398	1398
60	1111	1187	1219	1219
65	922	1004	1022	1022
70	726	812	798	798
75	535	610	567	567
80	340	391	342	342
85	152	178	146	146

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	108	103	98		105	101	96		95	93
2	97	89	81		94	86	81		83	78
3	89	78	69		85	76	68		72	67
4	81	68	59		79	68	58		65	57
5	75	60	52		72	59	52		57	50
6	68	55	46		67	54	46		52	45
7	64	50	40		61	48	40		47	40
8	58	46	36		57	45	36		44	35
9	55	41	33		54	40	33		40	33
10	52	39	30		51	38	29		36	29

Light Distribution

Degrees	Lumens	% Luminaire	Average Luminance			Cross
			Angle	End	45°	
0-30	1927	25.9	45	3648	3765	3869
0-40	3158	42.4	55	3568	3751	3866
0-60	5660	76.1	65	3460	3770	3836
0-90	7440	100.0	75	3277	3741	3473
			85	2765	3233	2656



© 2013 Koninklijke Philips N.V. All rights reserved.
Specifications are subject to change without notice.
www.philips.com/luminaires

487-SR 10/13

Philips Lighting Company
200 Franklin Square Drive
Somerset, NJ 08873
Phone: 855-486-2216

Philips Lighting Company
281 Hillmount Road
Markham ON, Canada L6C 2S3
Phone: 800-668-9008