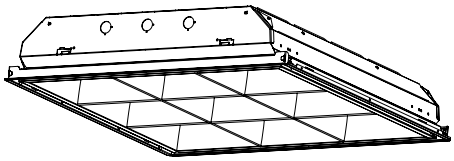
Day-Brite CFI

by signify

Recessed

LP3 paralouver 2x2

3 Lamp, TT5
9 or 16 cell



Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

The Day-Brite / CFI LP3 paralouver recessed is designed to provide the optimum balance of visual comfort, luminaire efficiency, and low cost.

Ordering guide

Example: 2LP3GA3CF40R-33AL-UNV-1/3-EB-LPT835

Width	Family	Ceiling Type	Air Function	No. of Lamps (not included)	Lamp Type	Housing	Louver Config. (cells wide x cells long)	Louver Finish	Voltage	Options
2	LP3			3		R –		–	–	
2 2'	**LP3** LP3 paralouver	**G** Grid **F** Flange **Z** Z-Spline/ Modular	**A** Air supply **C** Combination (air & heat transfer) **H** Heat transfer **S** Static (no air function)	**3**	**CF40** 40WTT5 (24") **CF50** 50WTT5 (24") **CF55** 55WTT5 (24")	**R** Revised housing	**33** 3x3 **44** 4x4	**AL** Semi-specular anodized aluminum low iridescence **W** Matte white paint	**120** **277** **347** **UNV** Universal Voltage 120-277V	**1/3** One 3-lamp ballast **1/21** 2-lamp & 1-lamp ballasts **APC** Air pattern control blades **ASC** Snap out air slot covers **2WC** Two wireway covers **DWC** One deep wireway cover **2DWC** Two deep wireway covers **PAF** Housing painted after fabrication **EB** Electronic ballast, <10% THD, std. ballast factor **EB10I** Electronic ballast, CF40 instant start,<10% THD **EBDX** Advance Mark 10 dimming ballast, phase control **EBD** Electronic dimming ballast, customer specified **E5** B50 emerg. ballast, U.S. or Canada market, 1100-1400 lumens, UNV **F1** 3/8" flex, 3 wire 18 gauge 6' **F2** 3/8" flex, 4 wire 18 gauge 6' **F2/5W** 3/8" flex, 5 wire 18 gauge 6' **GLR** Fusing, fast blow **LPT830** Installed lamps, 80+ CRI, 3000K **LPT835** Installed lamps, 80+ CRI, 3500K **LPT841** Installed lamps, 80+ CRI, 4100K **CHIC** Chicage plenum rated

Accessories (order separately)

- **FMA22** 2'x2' "F" mounting frame for NEMA "F" mounting
- **FKDP22** Flange conversion kit 2x2

2LP3 LP3 paralouver recessed 2x2

3 lamp, TT5, 9 or 16 cell

Application

- Low-brightness troffer for most ceilings:
  - Grid inverted T (NEMA “G”)
  - Flange-type for concealed mechanical suspension (NEMA “F”)
  - Modular and “Z” spline (NEMA “M/Z”)
- Select one of the four air handling functions:
  - Static; non-air handling.
  - Heat transfer; air return through lamp compartment.
  - Air supply; (or air return) through side slots.
  - Combination; both heat transfer and air supply features listed above.
- Air boots by others.
- Air handling or combination models are available with optional factory installed snap-in air slot covers (ASC) or adjustable air pattern control blades (APC).
- Excellent visual comfort and inconspicuous appearance.

Construction/Finish

- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- Flat black finish inside perimeter reveal for “floating door” appearance.
- Supplied with one wireway cover (except when required by ballast configuration.) Two wirewa covers (2WC, 2DWC) available.
- Models utilizing 3 ballasts (including emergency ballast) will be supplied with a top mounted ballast box, which will increase the height of the luminaire.
- Factory installed access plate includes 7/8" hole, 7/8" knockout and grounding screw.
- T-bar grid clips built into fixture, no extra parts required. Designed for use with standard grid ceiling members, 1-1/2" maximum height.
- One-piece housing features integral end plates that increase rigidity and minimize damage from handling or shipping.

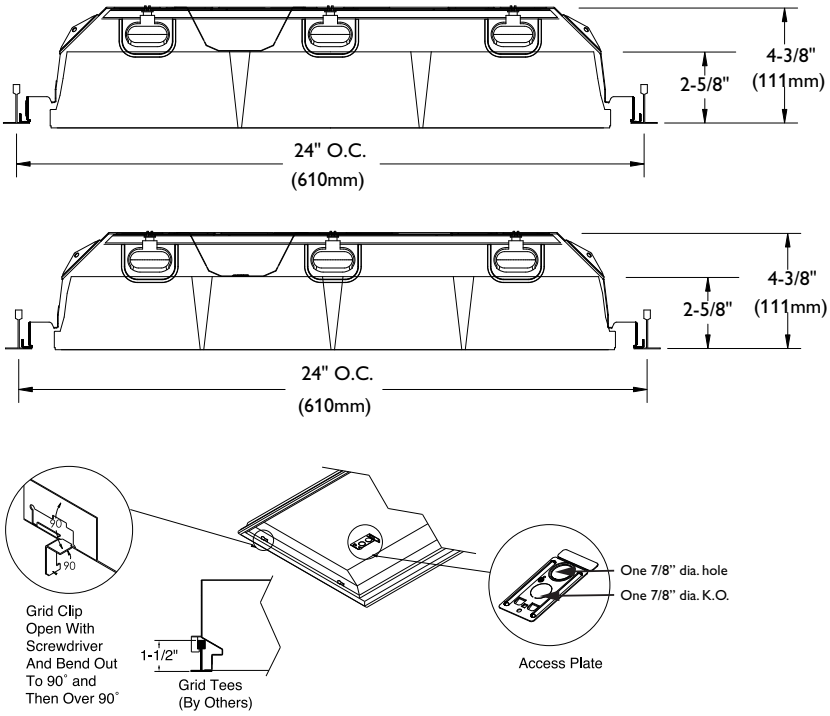
Electrical

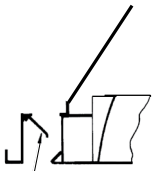
- cULus listed for damp locations.
- Self-contained fluorescent emergency power packs can be incorporated.

Enclosure

- Parabolic-shaped louvers closely controlled for uniform low- brightness appearance, and interlocked to avoid vibration.
- Choice of semi-specular (AL) low iridescence anodized aluminum or matte white paint louver finishes.
- 9 Cell: Lengthwise shielding is 21°. Crosswise shielding is 21°.
- 16 Cell: Lengthwise shielding is 27°. Crosswise shielding is 27°.
- Bottom aluminum flange has mitered corners and fits flush with ceiling.
- Can be hinged and latched from either side.
- Shipped with plastic film to keep out construction dirt.
- T-hinges are standard for positive support of the enclosure.
- Guide-post spring loaded latches are standard for ease of use and secure retention of the louver.

Dimensions





Optional Air Pattern Control
(on Air and Combination Units)
- Fully adjustable
  - Closed= Static
  - 45°= Horizontal Air Supply
  - 90°= (fully open) – Vertical Air Supply
- Side Slots may also be used for Return Air to Plenum
- Snap-in Air Slot Covers (ASC) also available0

Hg

Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, “Contain Mercury” and/or the symbol “HG”. Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org

2LP3 LP3 paralouver recessed 2x2

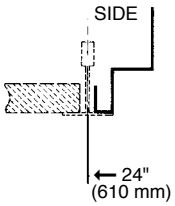
3 lamp, TT5, 9 or 16 cell

Ceiling configuration

2 LP3 G S 3 CF40 R

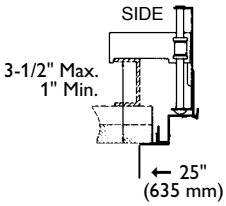
Ceiling type

G = Grid (NEMA G)



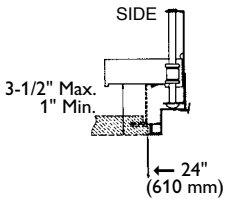
(NEMA Type G)
Lay-in acoustical ceilings using exposed grid suspension, with tees for luminaires on 24" x 24" spacing.

F = Flange (NEMA F)



(NEMA Type F)
Flange for acoustical ceilings using concealed mechanical suspension. Swing-jack mounting brackets: adjustment 3-1/2" max.and 1" min. Refer to sheet 801-CL for output information.

Z = Modular & "Z" Spline (NEMA M/Z)



(NEMA M/Z)
Modular and "Z" Spline using concealed mechanical suspension. Swing-jack mounting brackets: adjustment 3-1/2" max. and 1" min.

Photometry

LP3 2x2 3 Lamp 40WTT5 9 Cell **Efficiency – 75.9%** **LER – 61** **TER – 55**

Catalog No.	2LP3GS3CF40R-33AL-1/3-EB
Test No.	22768
S/MH	1.7
Lamp Type	40WTT5
Lumens/Lamp	3150
Ballast Factor	.96
Input Watts	113

Comparative yearly lighting energy cost per 1000 lumens – **$3.93** 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.

Candlepower

Angle	End	45	Cross
0	2806	2806	2806
5	2784	2802	2823
10	2734	2794	2850
15	2656	2779	2900
20	2567	2754	2998
25	2457	2746	3103
30	2327	2729	3212
35	2173	2692	3175
40	2000	2578	2924
45	1798	2327	2257
50	1559	1872	1365
55	1271	1263	864
60	906	669	592
65	468	336	343
70	141	135	104
75	61	45	45
80	28	21	19
85	10	8	6

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	2332	24.7	32.5
0-40	4002	42.4	55.8
0-60	6700	70.9	93.4
0-90	7173	75.9	100.0

Average Luminance

Angle	End	45°	Cross
45	8937	11567	11219
55	7788	7739	5294
65	3892	2794	2853
75	828	611	611
85	403	323	242

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	90	90	90	88	88	88	83	83
1	83	81	79	81	80	78	77	75
2	78	72	68	76	70	68	68	66
3	71	65	59	69	64	58	61	57
4	66	57	52	65	56	52	56	51
5	60	52	46	59	52	46	50	45
6	56	46	40	55	46	40	45	40
7	53	42	36	51	42	36	40	35
8	48	39	33	47	39	33	38	33
9	46	35	29	45	35	29	34	29
10	42	33	28	41	33	27	32	27

2LP3 LP3 paralouver recessed 2x2

3 lamp, TT5, 9 or 16 cell

LP3 2x2 3 Lamp 40WTT5 16 Cell **Efficiency – 68.5%** **LER – 56** **TER – 51**

Catalog No.	2LP3GS3CF40R-44AL-1/3-EB
Test No.	22765
S/MH	1.4
Lamp Type	40WTT5
Lumens/Lamp	3150
Ballast Factor	0.96
Input Watts	112

Comparative yearly lighting energy cost per 1000 lumens – **$4.29** 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.

Candlepower

Angle	End	45	Cross
0	2713	2713	2713
5	2697	2703	2722
10	2647	2686	2724
15	2567	2651	2739
20	2478	2608	2747
25	2366	2548	2753
30	2234	2466	2768
35	2073	2391	2577
40	1888	2243	2362
45	1668	1961	2027
50	1402	1657	1819
55	1077	1241	1377
60	561	717	712
65	120	202	137
70	48	58	62
75	22	27	29
80	10	12	13
85	4	5	4

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	2187	23.1	33.8
0-40	3656	38.7	56.5
0-60	6203	65.6	95.8
0-90	6476	68.5	100.0

Average Luminance

Angle	End	45°	Cross
45	8291	9747	10075
55	6600	7605	8438
65	998	1680	1139
75	299	367	394
85	161	202	161

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	81	81	81	80	80	80	76	76
1	76	73	71	75	71	69	68	68
2	70	66	61	68	65	60	63	59
3	65	58	54	64	57	54	56	52
4	59	53	47	58	52	46	51	46
5	56	47	41	54	46	41	46	40
6	52	42	38	50	42	36	41	36
7	47	39	34	46	39	34	38	33
8	45	35	30	44	35	29	34	29
9	41	33	28	40	33	28	32	27
10	39	29	25	38	29	25	28	25

Signify

Signify North America Corporation
200 Franklin Square Drive,
Somerset, NJ 08873
Telephone 855-486-2216

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone 800-668-9008