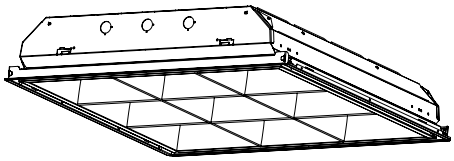
Day-Brite CFI by Signify

Recessed

LP3 paralouver 2x2

2 Lamp, T8 U6"
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: 2LP3GA231U6R-33AL-UNV-1/2-EBLHE-LPT835HL

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			2	31U6	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)	**2**	**31U6** 31WT8 6" (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	**1/2** One 2-lamp ballast **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 **EB10R** T8 electronic ballast, program rapid start, <10% THD **EBHE** T8 electronic ballast, high efficiency, std. ballast factor **EBLHE** T8 electronic ballast, high efficiency, low ballast factor **EBHHE** T8 electronic ballast, high efficiency, high ballast factor **EBSD** T8 electronic step dimming ballast, .88 ballast factor **EBD7** Advance Mark 7 dimming ballast, 0-10V (low voltage) control **EBDX** Advance Mark 10 dimming ballast, phase control **EBD** Electronic dimming ballast, customer specified **E1** B100 emerg. ballast, 350-450 lumens, 120/277V **E1CAN** B100-CAN emerg. ballast, Canada market, T8, 350-450 lumens, 120/347V **E7** B60 emerg. ballast, 600-700 lumens, 120/277V **E5** B50 emerg. ballast, U.S. or Canada market, T8, 1100-1400 lumens, UNV **E5CAN** B50-CAN emerg. ballast, Canada market, T8, 1100-1400 lumens, 120/347V **E5ST** B50ST emerg. ballast w/self test, 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

2 lamp, T8 U6", 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 ballast covers (2WC) are 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.
- Supplied with one wireway cover (except when required by ballast configuration). Two wireway covers
- Standard wireway cover is designed to accommodate small can electronic ballasts. Specification of ballasts other than generic ballasts, specification of emergency ballast, or field installation of emergency ballast may require the use of a larger wireway cover. Deep wireway cover (DWC, 2DWC) accommodates 2-3/8" W x 1-1/2" H ballasts and may be specified when ordering.
- 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. Bodine or Day-Brite LP series emergency ballasts are recommended for use with the standard wireway cover. DEB series emergency ballasts may be used with the larger wireway cover.

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.

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

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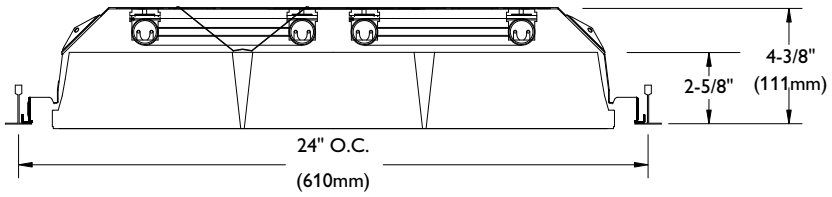
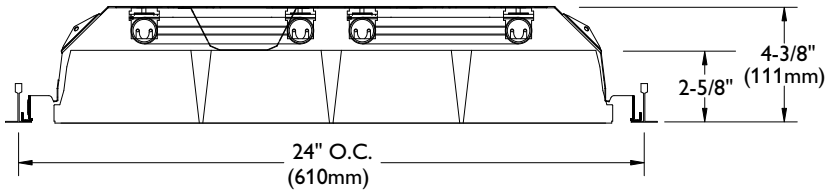
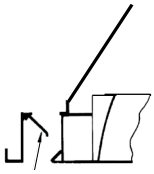
Dimensions



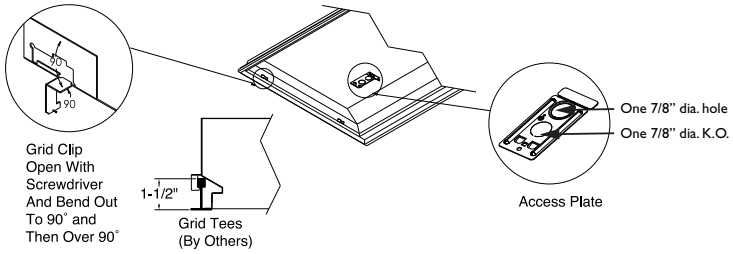
Standard Wireway Cover Shown



Deep Wireway Cover Shown



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

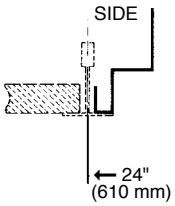


Ceiling configuration

2 LP3 G S 2 31U6 R

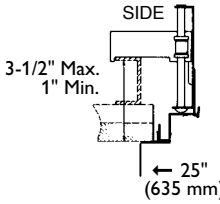
Ceiling type

G = Grid (NEMA G)



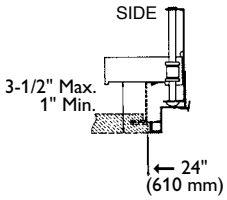
(NEMA Type G)
Lay-in acoustical ceilings using exposed grid suspension, with tees for luminaires on 24" x 24" spacing.

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.

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2 lamp, T8 U6", 9 or 16 cell

Photometry

LP3 2x2 2 Lamp T8 U6" 9 Cell — Efficiency – 68.4% — LER – 59 — TER – 54

Catalog No.	2LP3GS231U6R-33AL-1/2EB
Test No.	22795
S/MH	1.5
Lamp Type	FB032T8/6
Lumens/Lamp	2800
Ballast Factor	0.88
Input Watts	57

Comparative yearly lighting energy cost per 1000 lumens – **$4.07** 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	1517	1517	1517
5	1505	1515	1524
10	1475	1506	1535
15	1430	1491	1550
20	1376	1468	1569
25	1315	1440	1561
30	1245	1396	1548
35	1167	1333	1497
40	1074	1249	1402
45	969	1128	1253
50	848	960	1027
55	708	736	704
60	523	465	363
65	288	221	168
70	82	74	59
75	36	26	26
80	16	12	11
85	5	5	3

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	1231	22.0	32.1
0-40	2062	36.8	53.8
0-60	3556	63.5	92.8
0-90	3830	68.4	100.0

Average Luminance

Angle	End	45°	Cross
45	4817	5607	6228
55	4338	4510	4314
65	2395	1838	1397
75	489	353	353
85	202	202	121

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	72	70	73	71	69	68	67
2	69	65	60	68	64	60	61	58
3	65	57	53	63	56	53	55	51
4	58	52	46	57	51	46	50	45
5	55	46	40	53	46	40	45	40
6	51	41	36	48	41	35	40	35
7	46	38	33	46	38	33	36	32
8	44	34	29	42	34	28	34	28
9	40	32	27	40	32	27	30	26
10	38	29	25	36	28	23	28	23

LP3 2x2 2 Lamp T8 U6" 16 Cell — Efficiency – 63.3% — LER – 55 — TER – 50

Catalog No.	2LP3GS231U6R-44AL-1/2-EB
Test No.	22792
S/MH	1.3
Lamp Type	FB032T8/6
Lumens/Lamp	2800
Ballast Factor	0.88
Input Watts	57

Comparative yearly lighting energy cost per 1000 lumens – **$4.36** 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	1569	1569	1569
5	1560	1568	1574
10	1529	1554	1574
15	1479	1523	1544
20	1422	1464	1517
25	1353	1408	1471
30	1279	1338	1412
35	1192	1244	1357
40	1093	1153	1262
45	970	1040	1086
50	832	873	854
55	666	653	677
60	368	398	468
65	84	131	82
70	30	34	37
75	12	15	16
80	6	8	7
85	3	4	3

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	1228	21.9	34.6
0-40	2016	36.0	56.9
0-60	3378	60.3	95.3
0-90	3545	63.3	100.0

Average Luminance

Angle	End	45°	Cross
45	4821	5169	5398
55	4081	4001	4149
65	699	1089	682
75	163	204	217
85	121	161	121

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	75	75	75	73	73	73	69	69
1	70	68	66	68	67	65	64	63
2	65	60	57	64	59	56	57	55
3	59	55	50	58	54	50	52	48
4	56	48	44	54	47	44	46	42
5	52	44	39	50	44	39	41	38
6	47	40	34	46	40	34	38	34
7	44	36	30	42	35	30	34	30
8	40	33	28	40	33	28	32	28
9	39	30	26	38	29	26	29	25
10	35	28	23	34	28	23	27	23

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