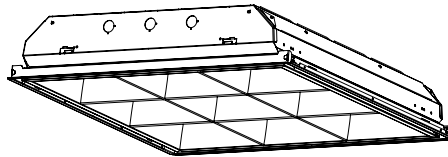


Recessed

LP3 paralouver 2x2

3 Lamp, T8, T5, or T5HO
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: 2LP3GA317R-33AL-UNV-1/3-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			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	14 14WT5 (22") 17 17WT8 (24") 24HO 24WT5HO (22") 31U1 31WT8 1-5/8" (24")	R Revised housing	33 3x3 44 4x4	AL Semi-specular anodized aluminum low iridescence M 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 EB1OR 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, T8, 350-450 lumens, 120/277V E1CAN B100-CAN emerg. ballast, Canada market, T8, 350-450 lumens, 120/347V E7 B60 emerg. ballast, T8, 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, T8, 1100-1400 lumens, UNV E7LP LP550 emerg. ballast T5/T5HO, 430-700 lumens, 120/277V E6LP LP600 emerg. ballast U.S. or Canada market, T5/T5HO, 750-1325 lumens, 120/277V
								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 T8/T5/T5HO lamps, 80+ CRI, 3000K LPT835 Installed T8/T5/T5HO lamps, 80+ CRI, 3500K LPT841 Installed T8/T5/T5HO lamps, 80+ CRI, 4100K LPT830HL Installed 17WT8 hi lumen lamps, 80+ CRI, 3000K LPT835HL Installed 17WT8 hi lumen lamps, 80+ CRI, 3500K LPT841HL Installed 17WT8 hi lumen lamps, 80+ CRI, 4100K CHIC Chicago plenum rated		

Accessories (order separately)

FMA22

2'x2' "F" mounting frame for NEMA "F" mounting

FKDP22

Flange conversion kit 2x2

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, T8, T5, or T5HO, 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.
- 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.
- 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.

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.
- 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.

Electrical

Enclosure

- Parabolic-shaped louvers closely controlled for uniform low- brightness appearance, and interlocked to avoid vibration.

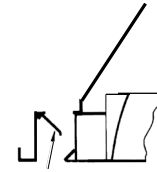
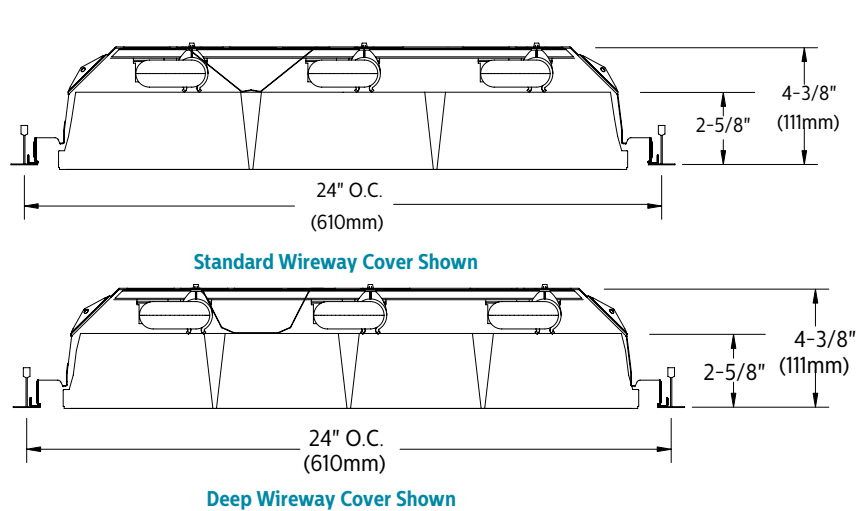


Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, “Contain Mercury” and/or the symbol “HG”. Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and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

2LP3 LP3 paralouver recessed 2x2

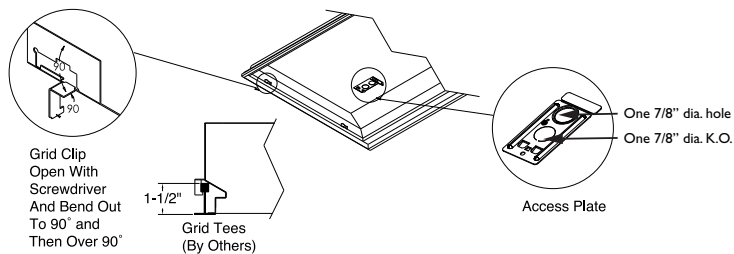
3 lamp, T8, T5, or T5HO, 9 or 16 cell

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 available

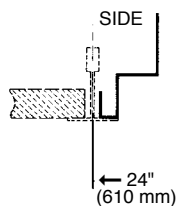


Ceiling configuration

2 LP3 G S 3 31U1 R

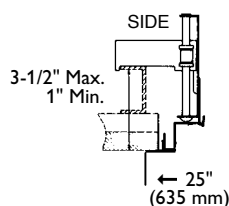
Ceiling type

G = Grid (NEMA G)



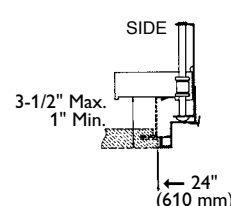
(NEMA Type G)
Lay-in acoustical ceilings using exposed grid suspension, with tees for luminaires on 24" x 24" spacing.

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.

2LP3 LP3 paralouver recessed 2x2

3 lamp, T8, T5, or T5HO, 9 or 16 cell

Photometry

LP3 2x2 3 Lamp T8 U1-5/8" 9 Cell

Efficiency – 70.8%

LER – 65

TER – 60

		Candlepower				Light Distribution				Average Luminance			
Catalog No.	2LP3GS3331U1R-33AL-1/3-EB	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
Test No.	22830	0	2412	2412	2412	0-30	1963	23.4	33.0	45	7590	8629	9544
S/MH	1.4	5	2391	2411	2423	0-40	3272	39.0	55.0	55	6655	6826	5895
Lamp Type	FB031T8	10	2346	2398	2442	0-60	5553	66.1	93.4	65	3393	2553	1863
Lumens/Lamp	2800	15	2281	2387	2487	0-90	5944	70.8	100.0	75	679	502	475
Ballast Factor	0.88	20	2194	2344	2512					85	363	282	202
Input Watts	80	25	2096	2306	2493								
		30	1991	2237	2440								
		35	1853	2116	2309								
		40	1704	1950	2122								
		45	1527	1736	1920								
		50	1326	1471	1542								
		55	1086	1114	962								
		60	793	685	470								
		65	408	307	224								
		70	120	102	79								
		75	50	37	35								
		80	22	17	15								
		85	9	7	5								

Comparative yearly lighting energy cost per 1000 lumens – **\$3.69** 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.

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	83	83	83	81	81	81	79	79	
1	79	76	73	77	73	71	70	69	
2	72	68	64	70	67	63	64	60	
3	67	60	56	65	58	55	56	54	
4	61	54	48	59	53	47	52	46	
5	56	48	42	56	47	42	46	41	
6	53	44	38	52	44	38	41	36	
7	48	40	34	47	40	34	39	34	
8	46	36	30	45	35	30	34	29	
9	42	34	28	41	33	28	32	28	
10	40	30	26	39	30	26	29	25	

LP3 2x2 3 Lamp T8 U1-5/8" 16 Cell

Efficiency – 63.4%

LER – 59

TER – 54

		Candlepower				Light Distribution				Average Luminance			
Catalog No.	2LP3GS3331U1R-44AL-1/3-EB	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
Test No.	22826	0	2357	2357	2357	0-30	1786	21.3	33.5	45	7178	7645	8902
S/MH	1.4	5	2341	2341	2349	0-40	2937	35.0	55.1	55	5968	6692	7310
Lamp Type	FB031T8	10	2289	2284	2281	0-60	5075	60.4	95.3	65	832	1580	948
Lumens/Lamp	2800	15	2209	2188	2198	0-90	5325	63.4	100.0	75	244	326	353
Ballast Factor	.88	20	2132	2091	2149					85	121	202	202
Input Watts	80	25	2029	1996	2138								
		30	1911	1915	2082								
		35	1783	1824	1986								
		40	1627	1695	1876								
		45	1444	1538	1791								
		50	1232	1363	1587								
		55	974	1092	1193								
		60	512	667	687								
		65	100	190	114								
		70	39	50	54								
		75	18	24	26								
		80	7	12	12								
		85	3	5	5								

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.

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	56	64	59	56	57	55	
3	59	55	50	58	54	50	52	47	
4	56	48	44	54	47	44	46	42	
5	51	44	39	50	42	39	41	38	
6	47	40	34	46	39	34	38	34	
7	44	35	30	42	35	30	34	29	
8	40	33	28	40	33	28	32	28	
9	38	29	26	38	29	25	28	25	
10	35	28	23	34	28	23	27	23	

