

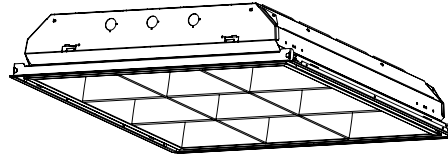
# Day-Brite CFI

by @ignify

## 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 APC ASC 2WC DWC 2DWC PAF EB EB10R EBHE EBLHE EBHHE EBSD EBD7 EBDX EBD E1 E1CAN E7 E5 ESCAN ESST One 2-lamp ballast Air pattern control blades Snap out air slot covers Two wireway covers One deep wireway cover Two deep wireway covers Housing painted after fabrication Electronic ballast, <10% THD, std. ballast factor T8 electronic ballast, program rapid start, <10% THD T8 electronic ballast, high efficiency, std. ballast factor T8 electronic ballast, high efficiency, low ballast factor T8 electronic ballast, high efficiency, high ballast factor T8 electronic step dimming ballast, .88 ballast factor Advance Mark 7 dimming ballast, 0-10V (low voltage) control Advance Mark 10 dimming ballast, phase control Electronic dimming ballast, customer specified B100 emerg. ballast, 350-450 lumens, 120/277V B100-CAN emerg. ballast, Canada market, T8, 350-450 lumens, 120/347V B60 emerg. ballast, 600-700 lumens, 120/277V B50 emerg. ballast, U.S. or Canada market, T8, 1100-1400 lumens, UNV B50-CAN emerg. ballast, Canada market, T8, 1100-1400 lumens, 120/347V 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 Chicago 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.
- 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.

## 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.

## 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.

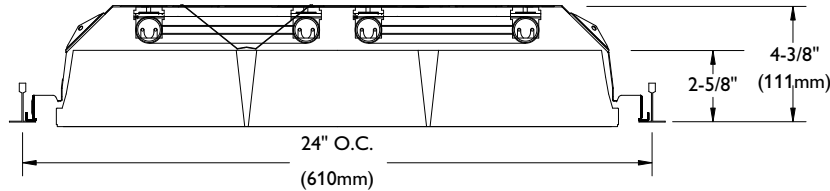


Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and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

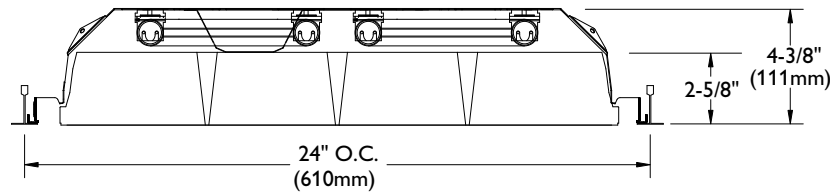
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2 lamp, T8 U6", 9 or 16 cell

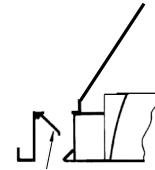
## Dimensions



Standard Wireway Cover Shown

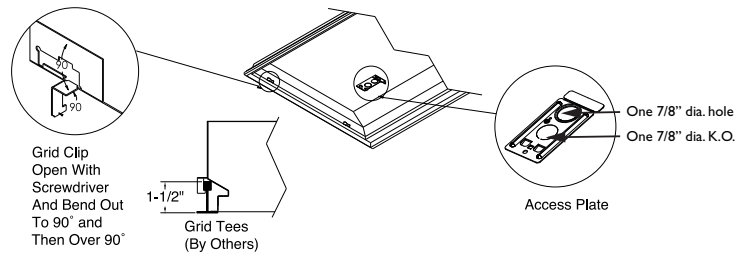


Deep Wireway Cover Shown



### 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 available

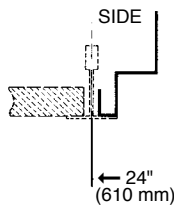


## Ceiling configuration

2 LP3 G S 2 3IU6 R

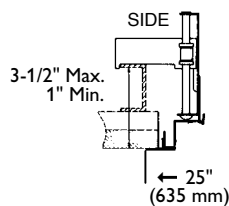
Ceiling type

G = Grid (NEMA G)



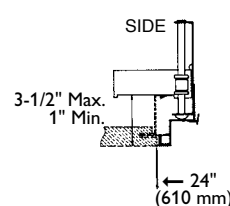
(NEMA Type G)  
Lay-in acoustical ceilings using exposed grid suspension, with tees for luminaires on 24" x 24" spacing.

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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## Photometry

### LP3 2x2 2 Lamp T8 U6" 9 Cell

Efficiency – 68.4%

LER – 59

TER – 54

		Candlepower				Light Distribution				Average Luminance			
Catalog No.	2LP3GS231U6R-33AL-1/2EB	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
Test No.	22795	0	1517	1517	1517	0-30	1231	22.0	32.1	45	4817	5607	6228
S/MH	1.5	5	1505	1515	1524	0-40	2062	36.8	53.8	55	4338	4510	4314
Lamp Type	FB032T8/6	10	1475	1506	1535	0-60	3556	63.5	92.8	65	2395	1838	1397
Lumens/Lamp	2800	15	1430	1491	1550	0-90	3830	68.4	100.0	75	489	353	353
Ballast Factor	0.88	20	1376	1468	1569					85	202	202	121
Input Watts	57	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								

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.

### LP3 2x2 2 Lamp T8 U6" 16 Cell

Efficiency – 63.3%

LER – 55

TER – 50

		Candlepower				Light Distribution				Average Luminance			
Catalog No.	2LP3GS231U6R-44AL-1/2-EB	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
Test No.	22792	0	1569	1569	1569	0-30	1228	21.9	34.6	45	4821	5169	5398
S/MH	1.3	5	1560	1568	1574	0-40	2016	36.0	56.9	55	4081	4001	4149
Lamp Type	FB032T8/6	10	1529	1554	1574	0-60	3378	60.3	95.3	65	699	1089	682
Lumens/Lamp	2800	15	1479	1523	1544	0-90	3545	63.3	100.0	75	163	204	217
Ballast Factor	0.88	20	1422	1464	1517					85	121	161	121
Input Watts	57	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								

Comparative yearly lighting energy cost per 1000 lumens – **\$4.36** based on 3000 hrs. and \$.08 pwr KWH.

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