

Day-Brite

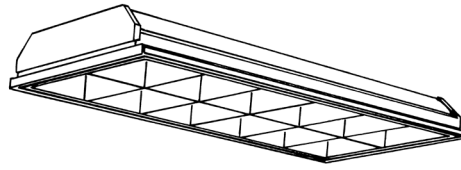
CFI

by @ignify

Recessed

LP3 paralouver 2x4

2 Lamp, T8, T5, or T5HO
12, 16, or 32 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: 2LP3GA232-26AL-UNV-1/2-EBLHE-LPT835HL

Width	Family	Ceiling Type	Air Function	No. of Lamps (not included)	Lamp Type	Louver Config. (cells wide x cells long)	Louver Finish	Voltage	Options
2	LP3			2	—	—	—	—	
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	28 28WT5 (46") 32 32WT8 (48") 54HO 54WT5HO (46")	26 2x6 28 2x8 48 4x8	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 DWC Deep wireway cover PAF Housing painted after fabrication EB Electronic ballast, <10% THD, std. ballast factor EB10R T8 electronic ballast, program rapid start, <10% THD EBLHE T8 electronic ballast, high efficiency, std. 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 ESCAN B50-CAN emerg. ballast, Canada market, T8, 1100-1400 lumens, 120/347V ESST 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 T8/T5 hi lumen lamps, 80+ CRI, 3000K LPT835HL Installed T8/T5 hi lumen lamps, 80+ CRI, 3500K LPT841HL Installed T8/T5 hi lumen lamps, 80+ CRI, 4100K CHIC Chicago plenum rated

Accessories (order separately)

- **FMA24** 2'x4' "F" mounting frame for NEMA "F" mounting
- **FKDP24** Flange conversion kit 2x4



2LP3 LP3 paralouver recessed 2x4

2 lamp, T8, T5, or T5HO, 12, 16, or 32 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”)
- Designed for air supply/return through side slots and/or heat transfer. Select the appropriate catalog no. for air function desired. Air pattern control blades in side slots must be ordered as an option. Air boots by others.
- 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.

- Built in grid clips designed for use with standard 1-1/2” high grid ceiling members.
- Standard wireway cover is designed to accommodate small can ballasts. Use of emergency ballasts or specification of ballasts other than generic ballasts may require the use of a larger wireway cover. Deep wireway cover (DWC) accommodates 2-3/8” W x 1-1/2” H ballasts and may be specified when ordering.

Electrical

- cULus listed for damp locations.
- Self-contained fluorescent emergency power packs can be incorporated. LP series emergency ballasts are recommended for use with the standard wireway cover. Standard series emergency ballasts may be used with the larger wireway cover.

Enclosure

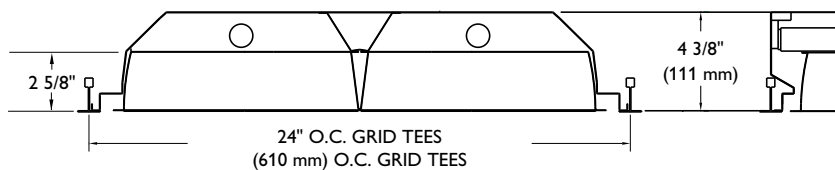
- Parabolic-shaped louvers closely controlled for uniform low-brightness appearance, and interlocked to avoid vibration.

- Choice of semi-specular (AL) low iridescence anodized aluminum or matte white paint louver finishes.
- **12 Cell:** Lengthwise shielding is 19°. Crosswise shielding is 26°.
- **16 Cell:** Lengthwise shielding is 25°. Crosswise shielding is 26°.
- **32 Cell:** Lengthwise shielding is 25°. Crosswise shielding is 28°.
- 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.
- Guide-post spring loaded latches standard.

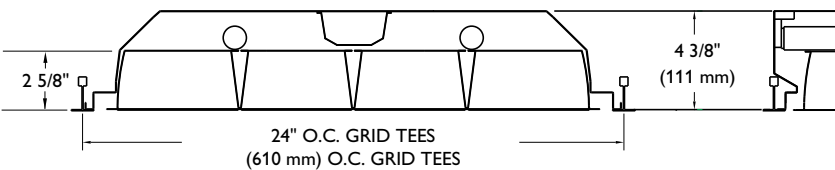
IESNA RP-1

- 32 cell fixtures meet the requirements of IESNA RP-1 for use in spaces containing video display terminals.

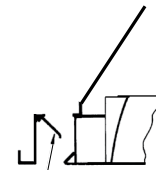
Dimensions



12 or 16 Cell - Standard Wireway Cover Shown

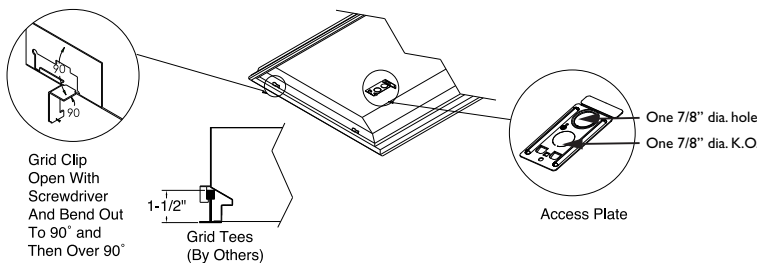


32 Cell - Deep Wireway Cover Shown



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

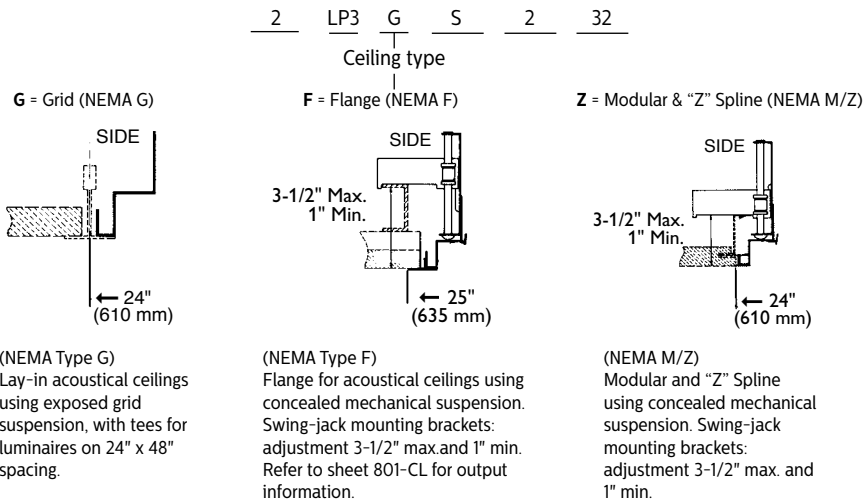


Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, “Contain Mercury” and/or the symbol “HG”. Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and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

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Ceiling configuration



Photometry

LP3 2x4 2 Lamp T8 12 Cell

Efficiency – 80.7%

LER – 66

TER – 59

Catalog No.	2LP3GS232-26AL-1/2-EB	Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
Test No.	20891	0	1533	1533	1533	0-30	1217	21.4	26.5	45	2334	3234	4519
S/MH	1.8	5	1546	1533	1516	0-40	2094	36.7	45.5	55	2190	3543	3632
Lamp Type	F32T8	10	1519	1516	1503	0-60	4176	73.3	90.8	65	1208	1613	1142
Lumens/Lamp	2850	15	1478	1482	1480	0-90	4600	80.7	100.0	75	120	221	252
Ballast Factor	0.88	20	1427	1440	1474					85	56	75	75
Input Watts	61	25	1363	1400	1485								
		30	1288	1371	1550								
		35	1206	1360	1657								
		40	1112	1377	1788								
		45	1012	1402	1959								
		50	903	1390	1873								
		55	770	1246	1277								
		60	584	873	524								
		65	313	418	296								
		70	68	133	149								
		75	19	35	40								
		80	9	12	14								
		85	3	4	4								

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	95	95	95		93	93	93			90	90	
1	89	85	82		86	83	81			81	79	
2	81	76	70		80	73	69			71	68	
3	75	67	60		72	66	59			63	58	
4	68	58	53		67	57	52			56	51	
5	63	53	46		60	52	45			50	45	
6	57	46	40		56	46	40			45	39	
7	53	42	35		52	41	34			40	34	
8	50	39	32		47	38	32			36	30	
9	46	34	28		45	34	28			34	28	
10	42	33	26		41	32	26			30	26	

Comparative yearly lighting energy cost per 1000 lumens – \$3.64 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.

2LP3 LP3 paralouver recessed 2x4

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LP3 2x4 2 Lamp T8 32 Cell		Efficiency – 67.8%				LER – 56				TER – 50					
Catalog No.	2LP3GS232-48AL-1/2-EB	Candlepower				Light Distribution				Average Luminance					
Test No.	20887	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross		
S/MH	2.2	0	1173	1173	1173	0-30	964	16.9	25.0	45	1864	3043	4540		
Lamp Type	F32T8	5	1180	1173	1166	0-40	1736	30.4	44.9	55	1675	3171	3515		
Lumens/Lamp	2850	10	1159	1163	1156	0-60	3625	63.6	93.9	65	521	845	459		
Ballast Factor	0.88	15	1127	1138	1154	0-90	3862	67.8	100.0	75	139	151	151		
Input Watts	61	20	1088	1118	1195										
		25	1048	1118	1275										
		30	998	1138	1417										
		35	945	1185	1607										
		40	882	1256	1810										
		45	808	1319	1968										
		50	714	1306	1865										
		55	589	1115	1236										
		60	383	659	395										
		65	135	219	119										
		70	47	53	51										
		75	22	24	24										
		80	11	12	11										
		85	3	4	3										
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.															
						Coefficients of Utilization									
						EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)									
						pcc		80			70			50	
						pw		70			50			30	
						RCR									
						0	81	81	81	79	79	79	75	75	
						1	75	71	69	72	70	68	68	66	
						2	68	64	59	67	63	58	59	56	
						3	63	56	52	60	55	51	54	50	
						4	57	50	45	56	48	44	47	42	
						5	53	45	39	52	44	38	41	38	
						6	48	40	34	46	39	34	38	33	
						7	45	35	29	44	34	29	34	28	
						8	41	32	27	40	32	27	30	26	
						9	39	29	23	38	28	23	28	23	
						10	35	27	22	34	27	22	26	20	

