

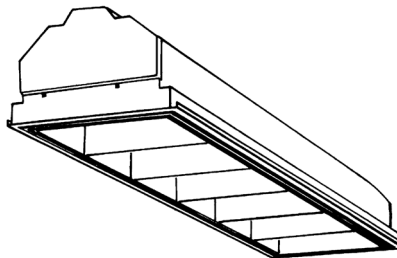
Day-Brite CFI

by @ignify

Recessed

LP3 paralouver 1x4

2 Lamp, T8, T5, or T5HO
8 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: 1LP3GS232-18AL-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
1	LP3			2	—	18	—	—	
1 1'	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")	18 1x8	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 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 EBLHE 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 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)

- **FMA14** 1'x4' "F" mounting frame for NEMA "F" mounting



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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.
- T bar grid clips built into fixture end plates, no extra parts required.

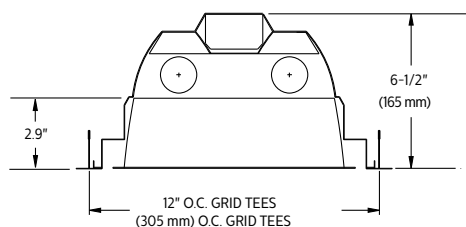
Electrical

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

Enclosure

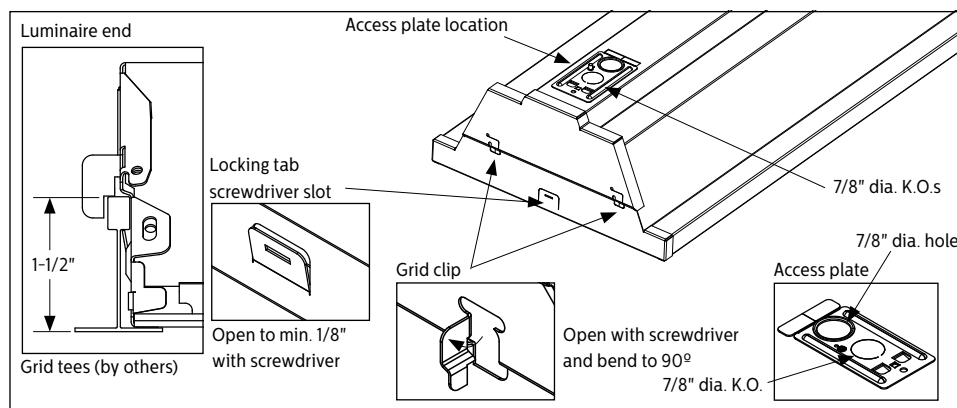
- Parabolic-shaped louvers closely controlled for uniform low-brightness appearance, and interlocked to avoid vibration.
- Choice of semi-specular (AL) low iridescence anodized aluminum or matte white paint louver finishes.
- 8 Cell: Lengthwise shielding is 30°. Crosswise shielding is 29°.
- Bottom aluminum 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.

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

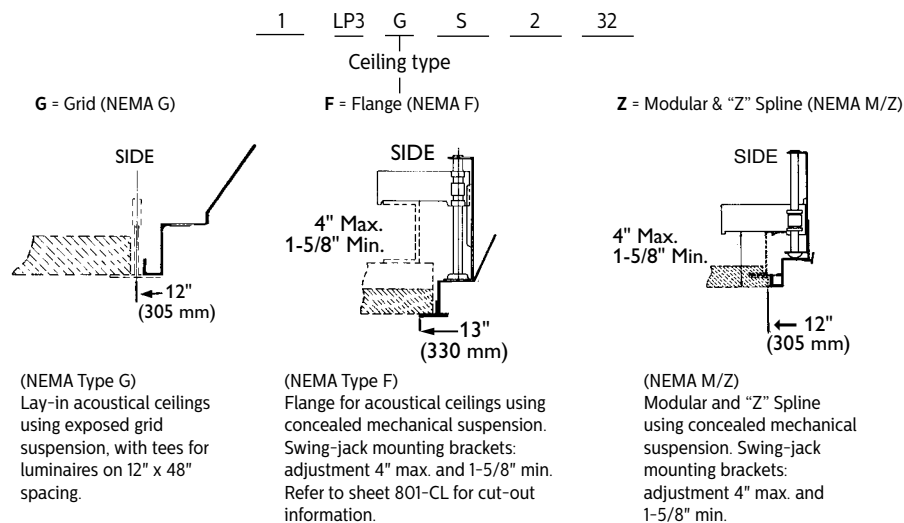


Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, “Contain Mercury” and/or the symbol “HG”. Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and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

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Ceiling configuration



Photometry

LP3 1x4 2 Lamp T8 8 Cell

Efficiency – 68.1%

LER – 59

TER – 54

		Candlepower				Light Distribution				Average Luminance			
Catalog No.	1LP3GS232-18AL-1/2-EB	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
Test No.	20631	0	1532	1532	1532	0-30	1196	21.0	30.8	45	4810	6264	6814
S/MH	1.6	5	1524	1525	1517	0-40	2034	35.7	52.4	55	4074	5131	5467
Lamp Type	F32T8	10	1488	1501	1507	0-60	3624	63.6	93.4	65	1453	1754	2012
Lumens/Lamp	2850	15	1441	1464	1488	0-90	3880	68.1	100.0	75	295	351	379
Ballast Factor	.88	20	1386	1418	1475					85	83	167	167
Input Watts	58	25	1317	1365	1471								
		30	1242	1324	1512								
		35	1152	1287	1647								
		40	1054	1271	1570								
		45	936	1219	1326								
		50	803	1053	1287								
		55	643	810	863								
		60	410	513	414								
		65	169	204	234								
		70	52	66	79								
		75	21	25	27								
		80	8	11	12								
		85	2	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	81	81	81	79	79	79	76	76				
1	76	72	70	73	70	68	68	67				
2	69	65	60	68	64	59	60	57				
3	64	57	53	63	56	52	55	51				
4	58	52	46	57	51	46	48	45				
5	54	46	40	53	46	40	44	40				
6	50	41	35	48	40	35	40	34				
7	46	38	32	45	36	32	35	32				
8	42	34	28	41	34	28	33	28				
9	40	32	26	40	30	26	30	26				
10	38	28	23	36	28	23	28	23				

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.

