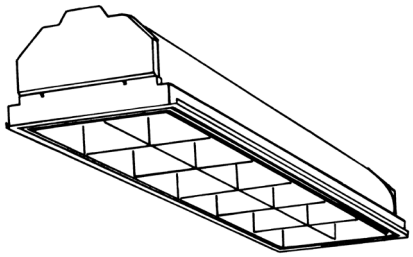
Day-Brite CFI

by signify

Recessed

LP3 paralouver 1x4

2 Lamp, T8, T5, or T5HO
12 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: 1LP3GA232-26AL-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
1	LP3			2	–	26	–	–	
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")	**26** 2x6	**AL** Semi-specular anodized aluminum low iridescence **FL** Full specular low iridescence	**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
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, 1T8, 100-1400 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	Chicage plenum rated

Accessories (order separately)

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

1LP3 LP3 paralouver recessed 1x4

2 lamp, T8, T5, or T5HO, 12 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.
- T bar grid clips built into fixture end plates, no extra parts required.

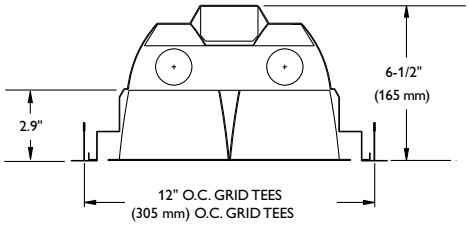
Electrical

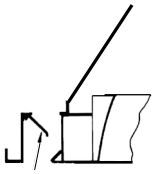
- cULus listed for damp locations.
- Self-contained fluorescent emergency power packs can be incorporated.

Enclosure

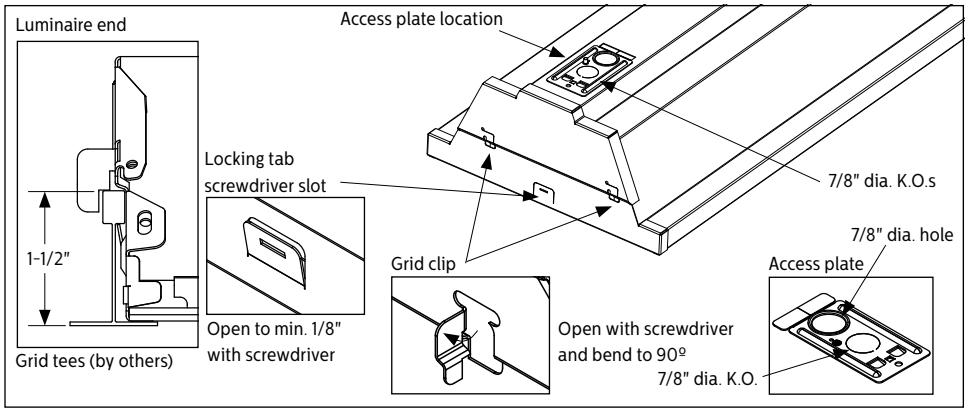
- Parabolic-shaped louvers closely controlled for uniform low-brightness appearance, and interlocked to avoid vibration.
- Choice of semi-specular (AL) low iridescence anodized aluminum or matte white paint louver finishes.
- 12 Cell: Lengthwise shielding is 23°. Crosswise shielding is 51°.
- Bottom 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



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

1LP3 LP3 paralouver recessed 1x4

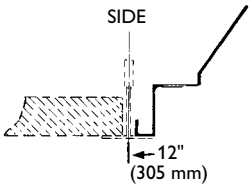
2 lamp, T8, T5, or T5HO, 12 cell

Ceiling configuration

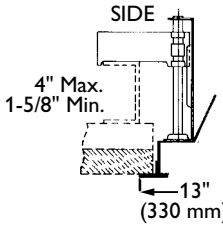
1 LP3 G S 2 32

Ceiling type

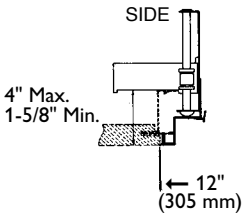
G = Grid (NEMA G) **F** = Flange (NEMA F) **Z** = Modular & "Z" Spline (NEMA M/Z)



(NEMA Type G)
Lay-in acoustical ceilings using exposed grid suspension, with tees for luminaires on 12" x 48" spacing.



(NEMA Type F)
Flange for acoustical ceilings using concealed mechanical suspension. Swing-jack mounting brackets: adjustment 4" max. and 1-5/8" min. Refer to sheet 801-CL for cut-out information.



(NEMA M/Z)
Modular and "Z" Spline using concealed mechanical suspension. Swing-jack mounting brackets: adjustment 4" max. and 1-5/8" min.

Photometry

LP3 1x4 2 Lamp T8 12 Cell **Efficiency – 60.5%** **LER – 52** **TER – 48**

Catalog No.	1LP3GS232-26AL-1/2-EB
Test No.	20633
S/MH	1.2
Lamp Type	F32T8
Lumens/Lamp	2850
Ballast Factor	.88
Input Watts	58

Comparative yearly lighting energy cost per 1000 lumens – **$4.62** 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	1625	1625	1625
5	1614	1613	1603
10	1579	1562	1536
15	1528	1472	1398
20	1472	1339	1250
25	1391	1202	1222
30	1306	1111	1258
35	1208	1080	1365
40	1101	1064	1280
45	978	1020	1075
50	844	869	1048
55	693	680	555
60	512	435	192
65	293	154	76
70	90	53	36
75	33	25	17
80	14	11	8
85	4	4	2

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	1148	20.1	33.3
0-40	1883	33.0	54.6
0-60	3228	56.6	93.7
0-90	3446	60.5	100.0

Average Luminance

Angle	End	45°	Cross
45	5026	5242	5524
55	4390	4308	3516
65	2519	1324	653
75	463	351	239
85	167	167	83

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	71	71	71	69	69	69	67	67
1	67	65	63	66	64	61	60	59
2	61	57	55	60	56	54	55	52
3	56	52	47	56	51	46	48	46
4	53	46	41	52	46	40	44	40
5	48	41	36	47	40	36	40	35
6	45	38	33	44	36	33	35	32
7	41	34	29	40	34	28	33	28
8	39	32	27	38	30	27	29	26
9	36	28	23	35	28	23	28	23
10	34	27	22	34	26	22	26	22

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