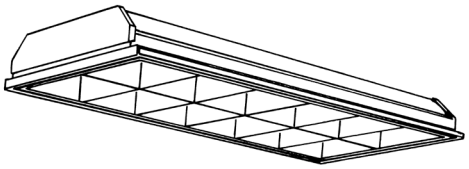
Day-Brite CFI

by signify

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
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 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)

- **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.

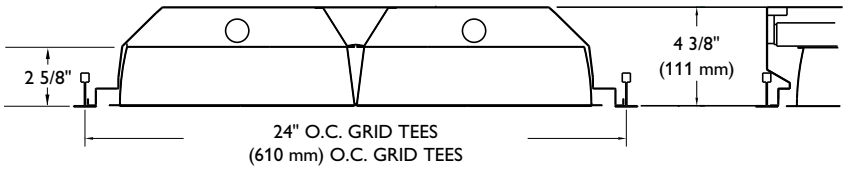
Enclosure

- 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.

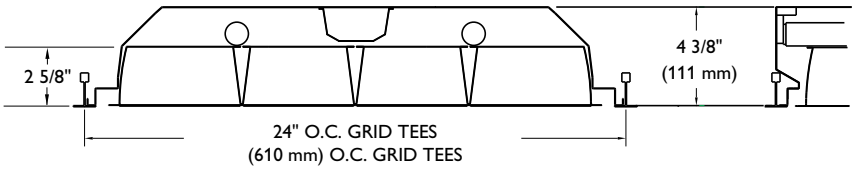
IESNA RP-1

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

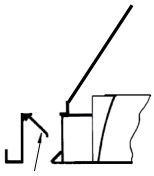
Dimensions



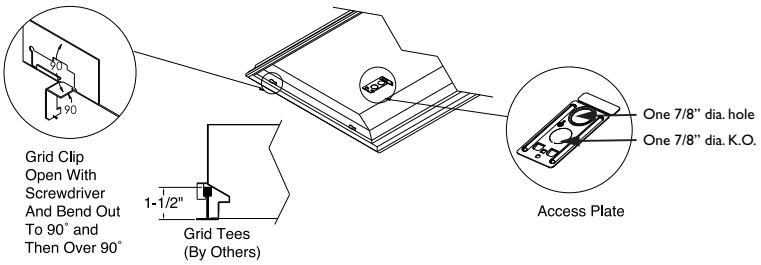
12 or 16 Cell - Standard Wireway Cover Shown



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 available0



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

2LP3 LP3 paralouver recessed 2x4

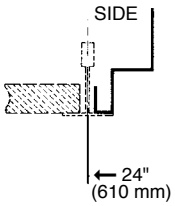
2 lamp, T8, T5, or T5HO, 12, 16, or 32 cell

Ceiling configuration

2 LP3 G S 2 32

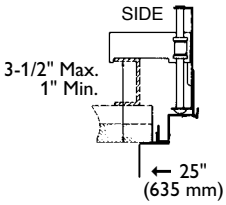
Ceiling type

G = Grid (NEMA G)



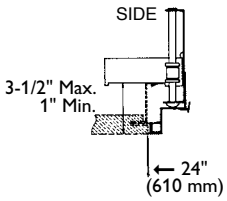
(NEMA Type G)
Lay-in acoustical ceilings using exposed grid suspension, with tees for luminaires on 24" x 48" spacing.

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.

Photometry

LP3 2x4 2 Lamp T8 12 Cell **Efficiency – 80.7%** **LER – 66** **TER – 59**

Catalog No.	2LP3GS232-26AL-1/2-EB
Test No.	20891
S/MH	1.8
Lamp Type	F32T8
Lumens/Lamp	2850
Ballast Factor	0.88
Input Watts	61

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.

Candlepower

Angle	End	45	Cross
0	1533	1533	1533
5	1546	1533	1516
10	1519	1516	1503
15	1478	1482	1480
20	1427	1440	1474
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

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	1217	21.4	26.5
0-40	2094	36.7	45.5
0-60	4176	73.3	90.8
0-90	4600	80.7	100.0

Average Luminance

Angle	End	45°	Cross
45	2334	3234	4519
55	2190	3543	3632
65	1208	1613	1142
75	120	221	252
85	56	75	75

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

2LP3 LP3 paralouver recessed 2x4

2 lamp, T8, T5, or T5HO, 12, 16, or 32 cell

LP3 2x4 2 Lamp T8 32 Cell **Efficiency – 67.8%** **LER – 56** **TER – 50**

Catalog No.	2LP3GS232-48AL-1/2-EB
Test No.	20887
S/MH	2.2
Lamp Type	F32T8
Lumens/Lamp	2850
Ballast Factor	0.88
Input Watts	61

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.

Candlepower

Angle	End	45	Cross
0	1173	1173	1173
5	1180	1173	1166
10	1159	1163	1156
15	1127	1138	1154
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

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	964	16.9	25.0
0-40	1736	30.4	44.9
0-60	3625	63.6	93.9
0-90	3862	67.8	100.0

Average Luminance

Angle	End	45°	Cross
45	1864	3043	4540
55	1675	3171	3515
65	521	845	459
75	139	151	151
85	56	75	56

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	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

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