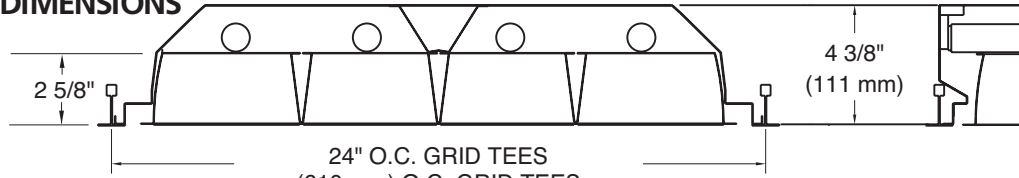


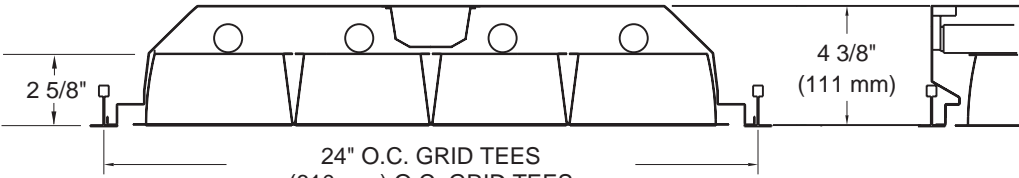
2' x 4' 4 LAMP LP3 PARALOUVER



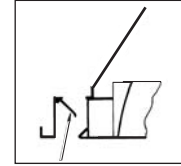
DIMENSIONS



STANDARD WIREWAY COVER SHOWN

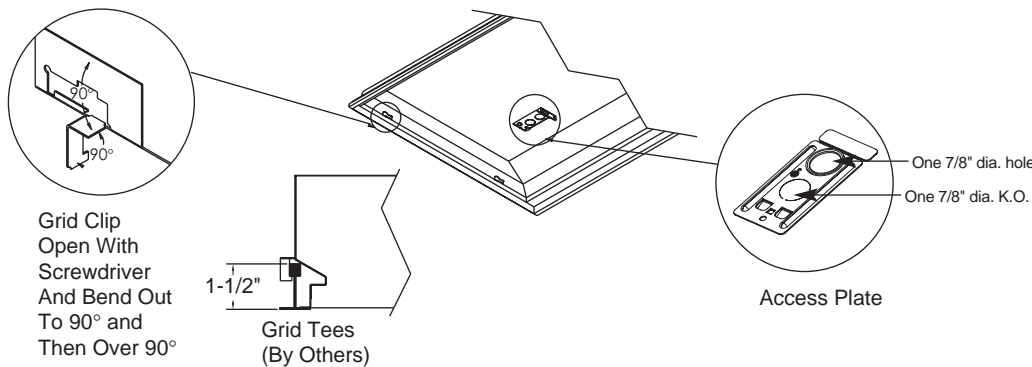


DEEP WIREWAY COVER SHOWN



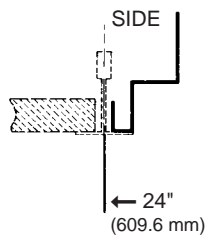
Optional Air Pattern Control (on Air and Combination Units)

- 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



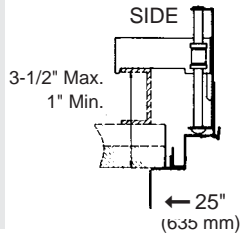
2 LP3 G S 4 32
CEILING TYPE

G = GRID (NEMA G)



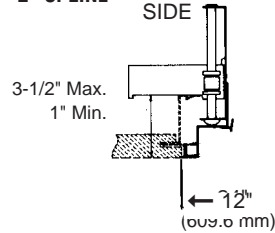
(NEMA Type G)
Lay-in acoustical ceilings using exposed grid suspension, with tees for fixtures on 24" x 48" spacing.

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 cut-out information.

Z = (NEMA M/Z) MODULAR AND "Z" SPLINE



(NEMA M/Z)
Modular and "Z" Spline using concealed mechanical suspension. Swing-jack mounting brackets: adjustment 3-1/2" max. and 1" min.

FOR PHOTOMETRIC TESTS ON WHITE LOUVERS ASK FOR TEST #'S:

24 CELL – 20859
32 CELL – 20853

NVLAP The photometric results were obtained in the Day-Brite Lighting Laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

254.2-PLV

PHOTOMETRIC DATA

CATALOG # 2LP3GS432-46FL-1/4-EB LAMPS = F32 T8 INPUT WATTS = 118
 TEST #20856 S/MH= 1.5 BALLAST = ELECTRONIC BALLAST FACTOR = .88

LER = FP-64

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.75 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 75.2%

CANDLEPOWER				
Angle	End	45	Cross	
0	3287	3287	3287	
5	3300	3303	3295	
10	3252	3328	3358	
15	3167	3330	3464	
20	3057	3348	3635	
25	2927	3395	3846	
30	2776	3438	4097	
35	2598	3514	3737	
40	2399	3389	2800	
45	2187	2854	1846	
50	1922	2078	1513	
55	1620	1327	1425	
60	1236	884	786	
65	604	398	30	
70	68	23	12	
75	10	9	6	
80	6	5	3	
85	3	2	1	

MAINTAINED ILLUMINATION TABLE- Square Feet/Fixture*

- 80-50-20 Reflectances (Ceiling-Wall-Floor)
- LLF = 0.75 2850 Lumens/Lamp very clean
- Room width divided by room height = 5 or more, 2 or 1

Fixture Size & # of Lamps	Room Width Room Height =	Approx. Area (sq. ft.) per Fixture				
		10 ft-c	30 ft-c	50 ft-c	70 ft-c	100 ft-c
4 Lamp T8	5	-	-	139	99	70
	2	-	-	100	71	50
	1	-	123	74	53	37

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 2850 LUMEN LAMPS

ANGLE	END	45°	CROSS
45	5045	6584	4258
55	4607	3774	4052
65	2331	1536	116
75	63	57	38
85	56	37	19

TYPICAL V.C.P.'s

Room Size	Mounting Height			
	Lengthwise		Crosswise	
	8.5	10	8.5	10
30x30	85	77	91	83
40x40	90	84	94	89
60x30	90	84	94	89
60x60	93	89	96	92
100x100	96	93	98	95

COEFFICIENT OF UTILIZATION

pfc pcc pw RCR	20			70			50		
	70	50	30	70	50	30	50	30	
0	90	90	90	86	86	86	83	83	
1	83	81	79	81	79	77	76	73	
2	78	71	68	76	70	67	68	65	
3	71	65	59	69	64	58	61	56	
4	66	57	52	64	56	52	55	51	
5	60	52	46	58	52	46	50	45	
6	56	46	40	55	46	40	45	40	
7	52	42	36	51	41	36	40	35	
8	48	39	33	47	39	33	38	33	
9	46	35	29	45	35	29	34	29	
10	42	33	28	41	33	27	32	27	

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	2832	24.8	33.0
0-40	4895	42.9	57.1
0-60	8147	71.5	95.0
0-90	8578	75.2	100.0

LLF = .75 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94 CLEAN 0.90
 LLD = 0.91 @ 40% RATED LAMP LIFE BF = .88 ELECTRONIC BALLAST & T-8 LAMP (RELAMP AT 70% LAMP LIFE)

PHOTOMETRIC DATA

CATALOG # 2LP3GS432-46AL-1/4-EB LAMPS = F32 T8 INPUT WATTS = 118
 TEST #20858 S/MH= 1.5 BALLAST = ELECTRONIC BALLAST FACTOR = .88

LER = FP-60

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$4.00 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 70.3%

CANDLEPOWER				
Angle	End	45	Cross	
0	3231	3231	3231	
5	3235	3232	3235	
10	3181	3240	3293	
15	3099	3234	3368	
20	2999	3220	3471	
25	2880	3205	3575	
30	2736	3175	3664	
35	2568	3082	3343	
40	2373	2848	2658	
45	2155	2385	1890	
50	1886	1801	1511	
55	1565	1257	1294	
60	1160	838	785	
65	617	419	189	
70	163	122	78	
75	54	48	35	
80	25	21	16	
85	9	8	5	

MAINTAINED ILLUMINATION TABLE- Square Feet/Fixture*

- 80-50-20 Reflectances (Ceiling-Wall-Floor)
- LLF = 0.75 2850 Lumens/Lamp very clean
- Room width divided by room height = 5 or more, 2 or 1

Fixture Size & # of Lamps	Room Width Room Height =	Approx. Area (sq. ft.) per Fixture				
		10 ft-c	30 ft-c	50 ft-c	70 ft-c	100 ft-c
4 Lamp T8	5	-	-	130	93	65
	2	-	-	93	67	47
	1	-	115	69	49	35

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 2850 LUMEN LAMPS

ANGLE	END	45°	CROSS
45	4971	5502	4360
55	4451	3575	3680
65	2381	1617	729
75	340	303	221
85	168	150	94

TYPICAL V.C.P.'s

Room Size	Mounting Height			
	Lengthwise		Crosswise	
	8.5	10	8.5	10
30x30	80	74	84	79
40x40	84	79	88	83
60x30	85	81	89	84
60x60	87	83	90	86
100x100	91	88	94	92

COEFFICIENT OF UTILIZATION

pfc pcc pw RCR	20			70			50		
	70	50	30	70	50	30	50	30	
0	83	83	83	81	81	81	78	78	
1	78	76	72	76	73	71	70	68	
2	71	68	64	70	66	63	64	60	
3	67	59	56	65	58	55	56	54	
4	61	54	48	59	53	47	52	46	
5	56	48	42	56	47	42	46	41	
6	53	44	39	52	44	38	41	38	
7	48	40	34	47	40	34	39	34	
8	46	36	30	45	35	30	34	30	
9	42	34	28	41	33	28	33	28	
10	40	30	26	39	30	26	29	26	

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	2712	23.8	33.8
0-40	4585	40.2	57.2
0-60	7509	65.9	93.6
0-90	8018	70.3	100.0

LLF = .75 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94 CLEAN 0.90
 LLD = 0.91 @ 40% RATED LAMP LIFE BF = .88 ELECTRONIC BALLAST & T-8 LAMP (RELAMP AT 70% LAMP LIFE)

2' x 4' 32 CELL LP3 PARALOUVER



PHOTOMETRIC DATA

CATALOG # 2LP3GS432-48FL-1/4-EB
TEST #20850 S/MH= 1.5

LAMPS = F32 T8
BALLAST = ELECTRONIC

INPUT WATTS = 117
BALLAST FACTOR = .88

LER = FP-62

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.87 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 72.7%

CANDLEPOWER				
Angle	End	45	Cross	
0	3322	3322	3322	
5	3328	3342	3331	
10	3271	3349	3392	
15	3179	3354	3496	
20	3065	3369	3651	
25	2933	3397	3866	
30	2785	3460	4143	
35	2602	3505	4756	
40	2409	3366	2782	
45	2169	2757	1793	
50	1881	1970	1609	
55	1542	1297	1381	
60	963	768	863	
65	53	180	29	
70	11	13	11	
75	6	6	5	
80	4	4	3	
85	3	2	2	

MAINTAINED ILLUMINATION TABLE- Square Feet/Fixture*

- 80-50-20 Reflectances (Ceiling-Wall-Floor)
- LLF = 0.75 2850 Lumens/Lamp very clean
- Room width divided by room height = 5 or more, 2 or 1

Fixture Size & # of Lamps	Room Width Room Height =	Approx. Area (sq. ft.) per Fixture				
		10 ft-c	30 ft-c	50 ft-c	70 ft-c	100 ft-c
4 Lamp T8	5	-	-	135	96	67
	2	-	-	98	70	49
	1	-	121	73	52	36

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 2850 LUMEN LAMPS

ANGLE	END	45°	CROSS
45	5003	6360	4136
55	4385	3688	3927
65	205	695	112
75	38	38	32
85	56	37	37

TYPICAL V.C.P.'s

Room Size	Mounting Height			
	Lengthwise		Crosswise	
	8.5	10	8.5	10
30x30	91	85	92	86
40x40	95	90	95	91
60x30	95	90	95	91
60x60	96	93	97	94
100x100	98	96	98	96

LLF = .75 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94 CLEAN 0.90
LLD = 0.91 @ 40% RATED LAMP LIFE BF = .88 ELECTRONIC BALLAST & T-8 LAMP (RELAMP AT 70% LAMP LIFE)

COEFFICIENT OF UTILIZATION

pfc pcc pw RCR	20			70			50		
	70	50	30	70	50	30	50	30	
0	86	86	86	84	84	84	81	81	
1	81	79	78	79	77	75	73	71	
2	75	70	67	73	68	66	67	64	
3	69	63	57	68	61	57	59	56	
4	64	56	51	63	56	51	54	50	
5	59	51	46	57	51	45	48	44	
6	55	46	40	54	46	40	45	40	
7	51	41	36	50	41	35	40	35	
8	47	39	33	46	38	33	36	32	
9	45	35	29	44	34	29	34	28	
10	41	33	27	40	32	27	32	27	

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	2848	25.0	34.3
0-40	4913	43.1	59.2
0-60	8060	70.7	97.2
0-90	8293	72.7	100.0

PHOTOMETRIC DATA

CATALOG # 2LP3GS432-48AL-1/4-EB
TEST #20852 S/MH= 1.5

LAMPS = F32 T8
BALLAST = ELECTRONIC

INPUT WATTS = 119
BALLAST FACTOR = .88

LER = FP-57

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$4.21 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 67.8%

CANDLEPOWER				
Angle	End	45	Cross	
0	3275	3275	3275	
5	3283	3276	3268	
10	3226	3276	3324	
15	3127	3266	3401	
20	3019	3248	3509	
25	2895	3226	3616	
30	2749	3185	3624	
35	2575	3064	3230	
40	2374	2767	2523	
45	2118	2272	1802	
50	1815	1675	1545	
55	1441	1173	1314	
60	875	734	776	
65	239	298	214	
70	93	89	89	
75	43	44	41	
80	20	20	18	
85	6	6	5	

MAINTAINED ILLUMINATION TABLE- Square Feet/Fixture*

- 80-50-20 Reflectances (Ceiling-Wall-Floor)
- LLF = 0.75 2850 Lumens/Lamp very clean
- Room width divided by room height = 5 or more, 2 or 1

Fixture Size & # of Lamps	Room Width Room Height =	Approx. Area (sq. ft.) per Fixture				
		10 ft-c	30 ft-c	50 ft-c	70 ft-c	100 ft-c
4 Lamp T8	5	-	-	126	90	63
	2	-	-	91	65	45
	1	-	113	68	48	34

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 2850 LUMEN LAMPS

ANGLE	END	45°	CROSS
45	4886	5241	4157
55	4098	3336	3737
65	922	1150	826
75	271	277	258
85	112	112	94

TYPICAL V.C.P.'s

Room Size	Mounting Height			
	Lengthwise		Crosswise	
	8.5	10	8.5	10
30x30	85	80	86	80
40x40	88	84	89	85
60x30	89	85	90	86
60x60	90	87	91	88
100x100	94	92	95	92

LLF = .75 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94 CLEAN 0.90
LLD = 0.91 @ 40% RATED LAMP LIFE BF = .88 ELECTRONIC BALLAST & T-8 LAMP (RELAMP AT 70% LAMP LIFE)

COEFFICIENT OF UTILIZATION

pfc pcc pw RCR	20			70			50		
	70	50	30	70	50	30	50	30	
0	81	81	81	79	79	79	75	75	
1	76	72	70	73	71	69	68	67	
2	69	66	61	68	64	60	61	58	
3	65	58	54	63	57	54	56	52	
4	59	53	47	57	52	46	50	46	
5	55	47	41	54	46	41	46	40	
6	51	42	38	50	42	38	41	36	
7	47	39	34	46	39	34	38	33	
8	45	35	30	44	35	30	34	29	
9	41	33	28	40	33	28	32	28	
10	39	30	26	38	29	26	29	25	

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	2733	24.0	35.3
0-40	4578	40.2	59.2
0-60	7357	64.5	95.2
0-90	7732	67.8	100.0

254.2-PLV

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