

**3 Lamp T8
18 Cell**

APPLICATION

- 3 lamp LPW provides 14% energy savings and 2% greater light output compared to a standard 3 lamp T8 electronic parabolic.
- 20% longer lamp life (24,000 hours vs. 20,000) provides longer relamping intervals for lower maintenance costs.
- Payback of additional cost (compared to standard 3 lamp parabolic) is less than one year in most cases.
- Shipped with factory installed high lumen output/high color rendering T8 lamps.
- Designed for air supply/return through side slots and/or heat transfer through openings in top. Select the appropriate catalog no. for air function desired. Air boots by others.

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 (UL listed, patented) grid clips designed for use with standard 1-1/2" high grid ceiling members.
- Standard wireway cover is designed to accommodate small can ballasts. Specification (or field installation) of large can standard/emergency ballasts will require the use of a larger wireway cover.
- One piece unitized body including end plates for added rigidity.

ELECTRICAL

- Electronic ballast standard.
- Class P, HPF ballasts comply with ©Federal Ballast Law (Public Law 100-357,1988).
- UL listed for damp locations. Canadian certified optional.
- Self-contained fluorescent emergency power packs can be incorporated. Bodine LP series emergency ballasts are recommended for use with the standard wireway cover. DEB series emergency ballasts may be used with the larger wireway cover.

ENCLOSURES

- 18 cell parabolic-shaped louvers closely controlled for uniform low-brightness appearance, and interlocked to avoid vibration.
- Choice of low iridescence anodized aluminum (AL), specular (FL), or white louver finishes.
- Lengthwise shielding is 19°. Crosswise shielding is 36°.
- 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.

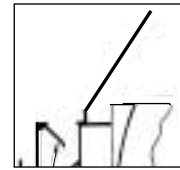
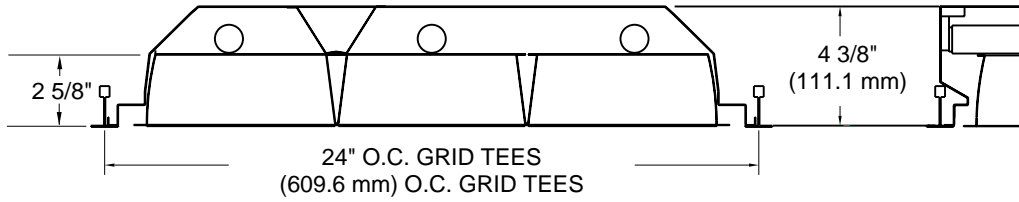
CATALOG NUMBER

2				3	32	-	36								
WIDTH	CEILING TYPE		NO. OF LAMPS		LOUVER CONFIGURATION		VOLTAGE					LAMPS			
2 - 2'	F - Flange G - Grid T - Screw Slot Z - Z Spline Modular		(included) 3		(cells wide x cells long) 36 - 3 x 6		120 277 347 (consult factory for availability)					LPT830HL - Lamped with 85+ CRI, 3000K lamps LPT835HL - Lamped with 85+ CRI, 3500K lamps LPT841HL - Lamped with 85+ CRI, 4100K lamps			
FIXTURE FAMILY	AIR FUNCTION	LAMP TYPE/WATTAGE	LOUVER FINISH	BALLAST	OPTIONS										
LPW - Watt Watcher Paralouver LPWC - Canadian Model	A - Air Supply/Return C - Combination (Air & Heat Transfer) H - Heat Transfer S - Static (no air function)	32 - 32wT8 (48')	AL - Anodized Aluminum Low Iridescence FL - Full Specular Low Iridescence W - Painted White	Generic Electronic Ballasts (Brand selected by Day-Brite) Suffix Catalog # with - Ballast Quantity - / -EB Lamps Per Ballast.	ASC - Air Slot Covers APC - Air Pattern Control Blades										
<p>Example: -1/2-EB = One 2 Lamp Electronic Ballast.</p>															

2' x 4' 3 LAMP WATT WATCHER PARALOUVER

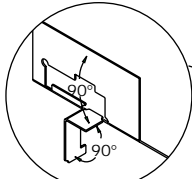


DIMENSIONS

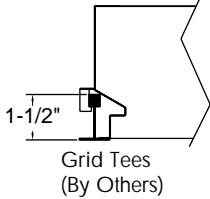


Optional Air Pattern Control (on Air and Combination Units)

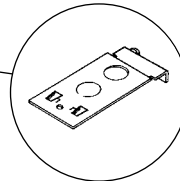
- Fully adjustable
 - Closed= Static
 - 45°= Horizontal Air Supply
 - 90°= (fully open) - Vertical Air Supply
- Side Slots may also be used for Return Air to Plenum
- Air Slot Covers are snap in covers for side slots, non-adjustable (installed at factory when ordered).



Grid Clip Open With Screwdriver And Bend Out To 90° and Then Over 90°



Grid Tees (By Others)

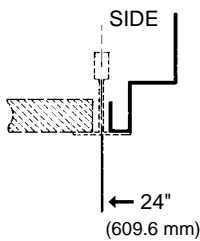


Access Plate

2 LPW G S 3 32

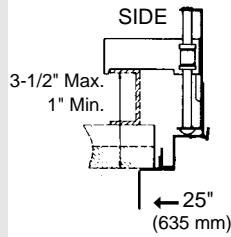
CEILING TYPE

G = GRID (NEMA G)



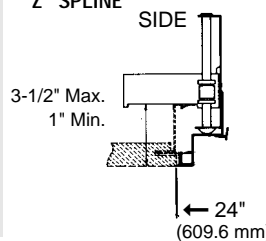
(NEMA Type G) Lay-in acoustical ceilings using exposed grid suspension, with tees for fixtures on 24" x 48" spacing.

F = FLANGE (NEMA F)



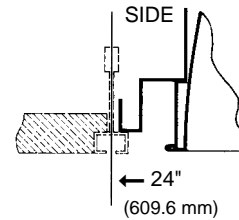
(NEMA Type F) Flange for acoustical ceilings using concealed mechanical suspension. Swing-jack mounting brackets: adjustment 3-1/2" max. and 1" min.

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.

T = SCREW SLOT (NEMA SS)



Louvered fixture with louvers at the ceiling plane (NEMA Type SS) Typical Screw Slot Ceiling System. Bottom of louver is flush with ceiling plane.

PHOTOMETRIC DATA

CATALOG # 2LPWGS332-36AL-1/3-EB
TEST #21548 S/MH= 1.7

LAMPS = F32 T8
BALLAST = ELECTRONIC

INPUT WATTS = 76
BALLAST FACTOR = .77

LER = 65

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.69 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 75%

CANDLEPOWER				
Angle	End	45	Cross	
0	2322	2322	2322	
5	2319	2313	2322	
10	2281	2311	2343	
15	2221	2295	2383	
20	2145	2285	2458	
25	2054	2282	2576	
30	1950	2293	2732	
35	1837	2312	2751	
40	1701	2284	2546	
45	1551	2119	2104	
50	1380	1771	1482	
55	1169	1262	964	
60	893	757	615	
65	480	393	369	
70	138	127	94	
75	32	38	39	
80	14	17	15	
85	6	7	5	

MAINTAINED ILLUMINATION TABLE- Square Feet/Fixture*

■ 80-50-20 Reflectances (Ceiling-Wall-Floor) ■ LLF = .66 3200 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
2x4	5	-	-	102	73	51
3-lamp	2	-	120	72	52	36
	1	-	88	53	38	-

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 3200 LUMEN LAMPS

ANGLE	END	45°	CROSS
45	4017	5488	5450
55	3732	4030	3078
65	2081	1703	1599
75	227	268	276
85	126	147	106

TYPICAL V.C.P.'s

Room Size	Mounting Height			
	Lengthwise	Crosswise	8.5	10
30x30	81	76	83	78
40x40	86	82	87	83
60x30	87	83	88	84
60x60	89	85	90	86
100x100	92	90	94	91

COEFFICIENT OF UTILIZATION

pfc pcc pw RCR	20						70						50					
	70	50	30	70	50	30	50	30	70	50	30	50	30	70	50	30		
0	89	89	89	86	86	86	82	82	82	82	82	82	82	82	82	82		
1	82	80	78	81	79	76	76	73	76	76	76	76	76	76	76	76		
2	77	70	67	75	69	66	68	64	68	68	68	68	68	68	68	68		
3	70	64	57	68	61	56	59	56	59	59	59	59	59	59	59	59		
4	65	56	51	63	56	50	54	48	54	54	54	54	54	54	54	54		
5	59	51	45	57	50	44	48	42	48	48	48	48	48	48	48	48		
6	55	46	40	54	45	39	44	39	44	44	44	44	44	44	44	44		
7	51	41	34	50	40	34	40	34	40	40	40	40	40	40	40	40		
8	47	38	32	46	36	32	35	30	35	35	35	35	35	35	35	35		
9	44	34	28	42	34	28	33	28	33	33	33	33	33	33	33	33		
10	41	32	26	40	32	26	30	26	30	30	30	30	30	30	30	30		

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	1936	22.6	30.2
0-40	3370	39.4	52.5
0-60	5924	69.3	92.4
0-90	6415	75.0	100.0

LLF = .66 LLF = LIGHT LOSS FACTOR LFF = LDD X LLD X BF LDD = VERY CLEAN 0.94 CLEAN 0.90 LLD = 0.91 @ 40% RATED LAMP LIFE BF = .77 ELECTRONIC BALLAST & F32T8 LAMP (RELAMP AT 70% LAMP LIFE)

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



262-PLV

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