

**T8 or T12
PL 3 Plastic Louver**

These fixtures meet the basic requirements of IESNA RP-1 for use in spaces containing Video Display Terminals.

CONSTRUCTION/FINISH

- Quality recessed troffer for the following "NEMA" ceiling types:
NEMA "G"-Grid, NEMA "NFSG"-Narrow Faced Slot Grid, NEMA "GR"-Grid Regressed, NEMA "NFG" Narrow Faced Grid, NEMA "F"-Flange.
- Field assembled and installed "F" mounting Frame adapts fixture for use in NEMA "F" ceilings requiring flanges.
- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- Troffer body die-formed CR steel with reinforcing ribs for rigidity.
- 7/8" K.O.'s provided in each end cap and quick wire access plate in housing top with two 7/8" K.O.'s provided.
- Snap on wireway cover.
- "T" bar grid clips (U.L. listed and patented) built into fixture end plates, no extra parts required.
- Low profile body minimizes clearance required.
- All units have wire hanger tabs for independent wire suspension.

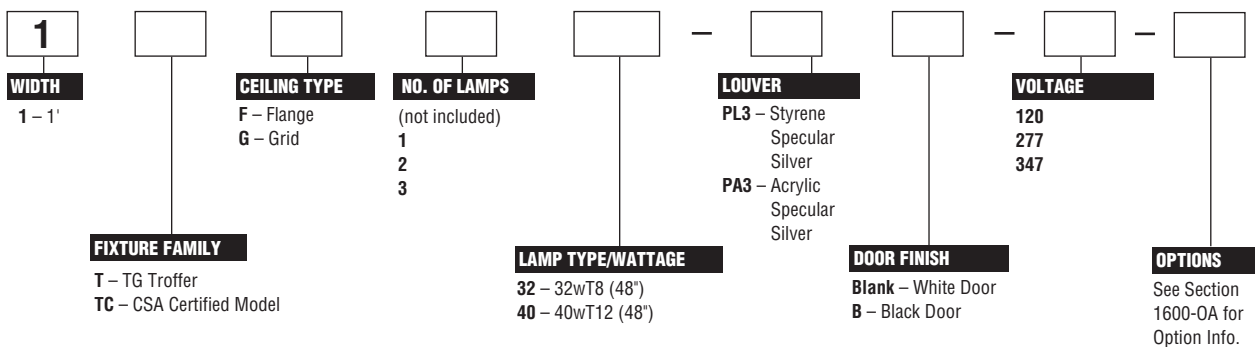
ELECTRICAL

- Class P, HPF, CBM certified ballasts comply with Federal Ballast Law (Public Law 100-357, 1988).
- UL listed, suitable for damp locations. C.S.A. certified optional.
- Self-contained fluorescent emergency power packs can be incorporated. UL listed for dry locations.
- No exposed internal wiring.

ENCLOSURES

- Flat steel door frame has mitered corners.
- Hinged and latched (from either side) door frame.
- Mechanically designed interlocks eliminate light leaks.
- Louver is Specular Silver Polystyrene high efficiency Paralite 3 (3/4" x 3/4" x 1/2") with durabolic finish which assures durability and ease of cleaning.
- 35° Shielding.
- White (standard) or black (optional) door frames available.
- Shipped with plastic film to keep out construction dirt.

CATALOG NUMBER



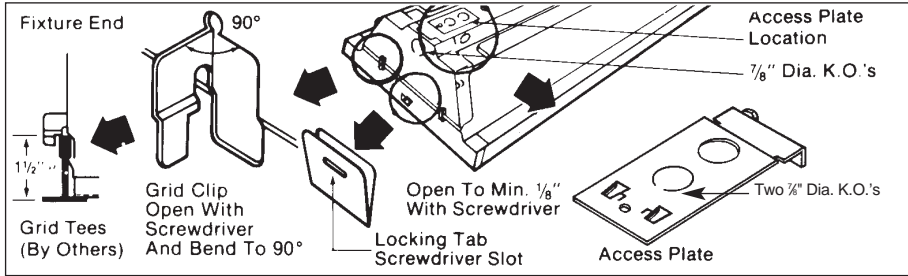
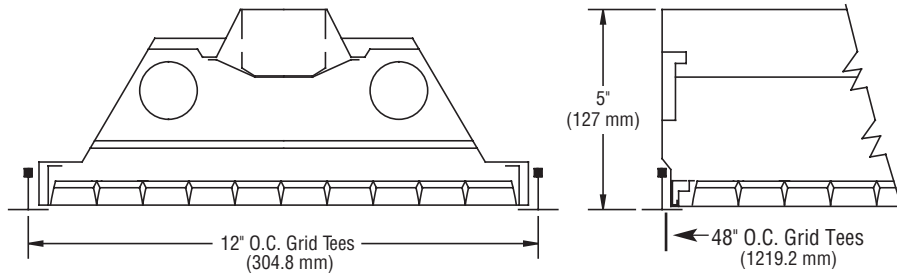
NOTES:

- With generic Electronic Ballasts (Brand selected by Day-Brite)
Suffix Catalog # with— **Ballast Quantity** — / — **-EB Lamps Per Ballast.**

Example: -1/2-EB = One 2 Lamp Electronic Ballast.

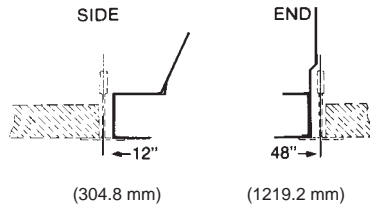
Example: -1/21-EB = One 2 Lamp Electronic Ballast and One 1 Lamp Electronic Ballast.

DIMENSIONS



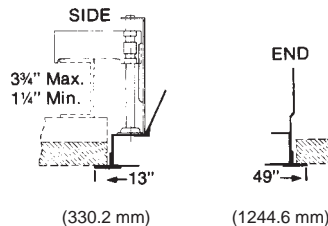
1 T G 2 32 -
FIXTURE TYPE

G = GRID (NEMA G)



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

F = FLANGE (NEMA F)



(NEMA Type F)
Flange for acoustical ceilings using concealed mechanical suspension. Swing-jack mounting brackets: adjustment 3/4" max. and 1/4" min.

PHOTOMETRIC DATA

CATALOG # 1TG240-PL3-1/2-EB
TEST #15155 S/MH=1.1

LAMPS = F32 T8
BALLAST = ELECTRONIC

INPUT WATTS = 59
BALLAST FACTOR = .92

LER = FP-45

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$5.33 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 50.0%

CANDLEPOWER				
Angle	End	45	Cross	
0	1427	1427	1427	
5	1426	1447	1440	
10	1407	1437	1421	
15	1363	1389	1350	
20	1306	1308	1292	
25	1237	1229	1184	
30	1151	1121	1061	
35	1057	989	962	
40	960	862	868	
45	852	744	787	
50	732	632	678	
55	575	520	547	
60	396	335	403	
65	43	63	47	
70	0	0	1	
75	0	0	0	
80	0	0	0	
85	0	0	0	

MAINTAINED ILLUMINATION TABLE- Square Feet/Fixture*

- 80-50-20 Reflectances (Ceiling-Wall-Floor)
- LLF = 0.76 2900 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
2-Lamp 32W T-8	5	-	78	47	34	-
	2	-	59	36	-	-
	1	129	43	-	-	-

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 2900 LUMEN LAMPS				
ANGLE	END	45°	CROSS	
45	5115	4467	4725	
55	4255	3848	4048	
65	432	633	472	
75	0	0	0	
85	0	0	0	

TYPICAL V.C.P.'s				
Room Size	Mounting Height		Crosswise	
	8.5	10	8.5	10
30x30	91	85	91	85
40x40	94	90	94	90
60x30	94	90	94	90
60x60	96	93	96	93
100x100	98	96	98	96

COEFFICIENT OF UTILIZATION

pfc pcc pw RCR	20		70		50	
	70	50	30	70	50	30
0	58	58	58	57	57	55
1	55	53	52	54	52	51
2	52	49	46	50	48	46
3	48	44	41	47	43	41
4	45	40	37	44	39	36
5	41	36	32	40	36	32
6	38	33	29	37	32	29
7	35	29	26	34	29	25
8	32	26	23	32	26	22
9	30	24	20	29	23	20
10	28	22	18	27	21	18

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	1165.	20.1	40.2
0-40	1794.	30.9	61.9
0-60	2837.	48.9	97.8
0-90	2900.	50.0	100.0

LLF = .76 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94 CLEAN 0.90
 LLD = 0.88 @ 40% RATED LAMP LIFE BF = 0.92 ELECTRONIC BALLAST & T-8 LAMP (RELAMP AT 70% LAMP LIFE)