

1' X 4'
1, 2, or 3 Lamp
T8 or T12

APPLICATION

- Premium quality recessed static troffer for use in:
 - Grid inverted T (NEMA “G”) ceilings.
 - Flange-type ceilings with concealed mechanical suspension (NEMA “F”)
 - Modular and “Z” spline (NEMA “M/Z”) ceilings.
 - Contact Day-Brite for other ceiling types.
- For areas where vandalism is common.

CONSTRUCTION/FINISH

- Die formed ribbed and embossed steel housing.
- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- Access plate (2 K.O.’s) factory installed includes grounding screw.
- T Bar grid clips (UL listed, patented) built into fixture end plates, no extra parts required.

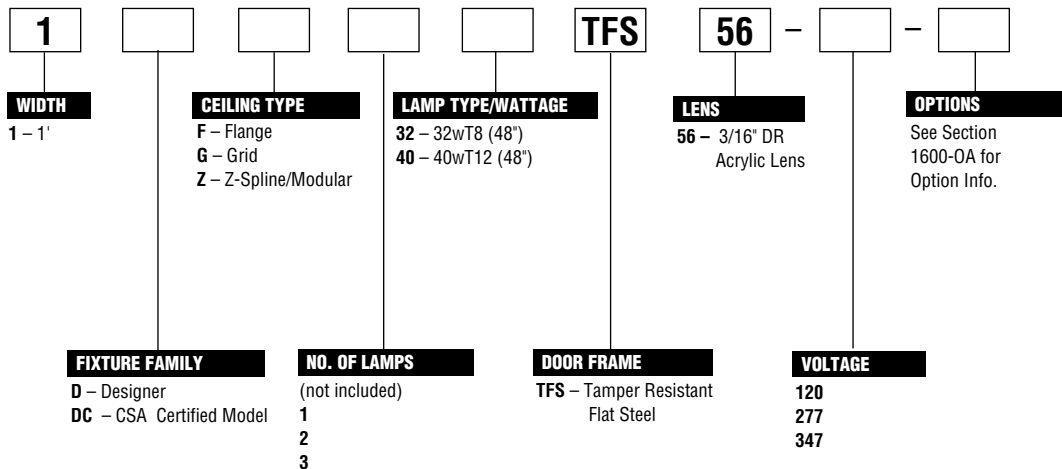
ELECTRICAL

- Class P, HPF, CBM certified ballasts comply with Federal Ballast Law (Public Law 100-357, 1988).
- UL listed for damp locations. C.S.A. certified optional.
- Self-contained fluorescent emergency power packs can be incorporated.

ENCLOSURES

- Flat steel door frame with mitered corner hinges from either side.
- Vandal-resistant latches secured with 2 Holt-head screws. Special screwdriver (part# 156737) available from Day-Brite.
- Vanguard high-impact extruded acrylic Gridless Octex; nominal thickness, 3/16", minimum weight 15 oz./sq. ft.
- Full perimeter gasketing between door frame and lens.
- Withstands impact of 70 ft. lbs. at 75 degrees Fahrenheit, with the lens supported on all 4 edges.

CATALOG NUMBER



NOTES:

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

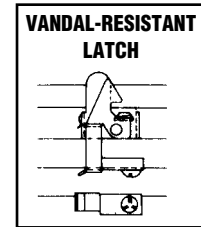
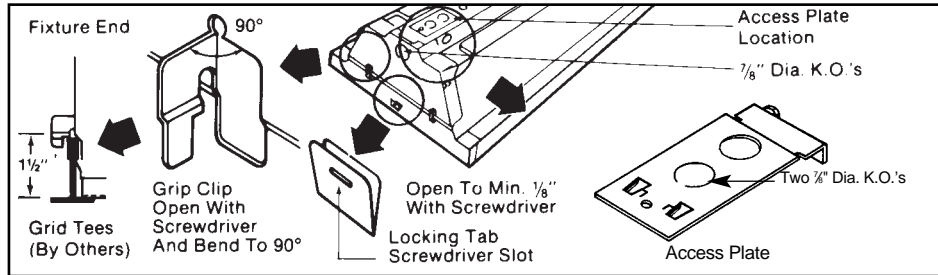
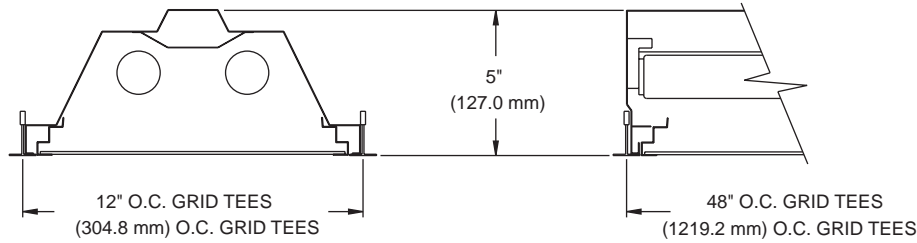
Example: -1/1-EB = One 1 Lamp Electronic Ballast.
Example: -1/2-EB = One 2 Lamp Electronic Ballast.

Example: -1/3-EB = One 3 Lamp Electronic Ballast.

1' x 4' VANDAL RESISTANT



DIMENSIONS



PHOTOMETRIC DATA

CATALOG # 1DG232-TFS56-1/2-EB
TEST # 16183 S/MH= 1.2

LAMPS = F32 T8
BALLAST = ELECTRONIC BALLAST FACTOR = .92

LER = FL-56

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$4.29 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 61.7%

CANDLEPOWER				
Angle	End	45	Cross	
0	1690	1690	1690	
5	1688	1686	1676	
10	1666	1667	1658	
15	1629	1631	1625	
20	1575	1577	1560	
25	1505	1504	1468	
30	1423	1394	1341	
35	1316	1255	1225	
40	1183	1110	1123	
45	985	911	856	
50	682	640	578	
55	457	480	413	
60	318	324	269	
65	206	207	179	
70	152	143	156	
75	121	96	125	
80	81	77	76	
85	42	43	39	

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
1' X 4'	5	-	97	58	41
2 Lamp	2	-	70	42	-
	1	-	52	31	-

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 2900 LUMEN LAMPS

ANGLE	END	45°	CROSS
45	4814	4453	4184
55	2754	2892	2488
65	1685	1693	1464
75	1616	1282	1669
85	1665	1705	1546

TYPICAL V.C.P.'s

Room Size	Mounting Height			
	Lengthwise		Crosswise	
	8.5	10	8.5	10
30x30	62	66	62	66
40x40	59	61	59	62
60x30	64	67	64	68
60x60	55	57	56	58
100x100	54	55	54	55

COEFFICIENT OF UTILIZATION

pfc ccc pw	20				70				50			
	70	50	30	70	50	30	70	50	30	70	50	30
RCR												
0	72	72	72	71	71	71	68	68	68	68	68	68
1	68	66	63	67	64	61	61	59	59	59	59	59
2	63	58	55	60	57	54	55	53	53	53	53	53
3	57	53	47	56	52	47	50	46	46	46	46	46
4	54	46	42	53	46	41	45	40	40	40	40	40
5	50	42	38	48	41	38	40	36	36	36	36	36
6	46	39	34	45	38	34	36	33	33	33	33	33
7	42	35	30	41	34	29	34	29	29	29	29	29
8	40	33	28	40	32	28	32	27	27	27	27	27
9	38	29	25	36	29	25	28	25	25	25	25	25
10	35	28	23	34	28	23	27	23	23	23	23	23

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	1306	22.5	36.5
0-40	2096	36.1	58.6
0-60	3201	55.2	89.4
0-90	3579	61.7	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 & T8 LAMP (RELAMP AT 70% LAMP LIFE)