

**1, 2 or 3 Lamp
T5, T5HO, T8, T12,
Slimline, or
High Output T8(380mA) or T12(800mA)**

**NSF Certified for Non-Food Zone Installations.
ELECTRICAL**

APPLICATION

- Acceptable for outdoor as well as indoor installations.
- **Wet Location**-Areas of high humidity, water vapor, rain, incidental water spray, or other non-corrosive or non-flammable liquid.
- IP67 rating standard.
- **Mounting brackets available, order separately.**
- High ambient models (28wT5/32wT8 only) rated for use in 130°F ambient. Standard models carry the standard UL indoor rating of 25°C (77°F) ambient.
- IP67 rating.

CONSTRUCTION/FINISH

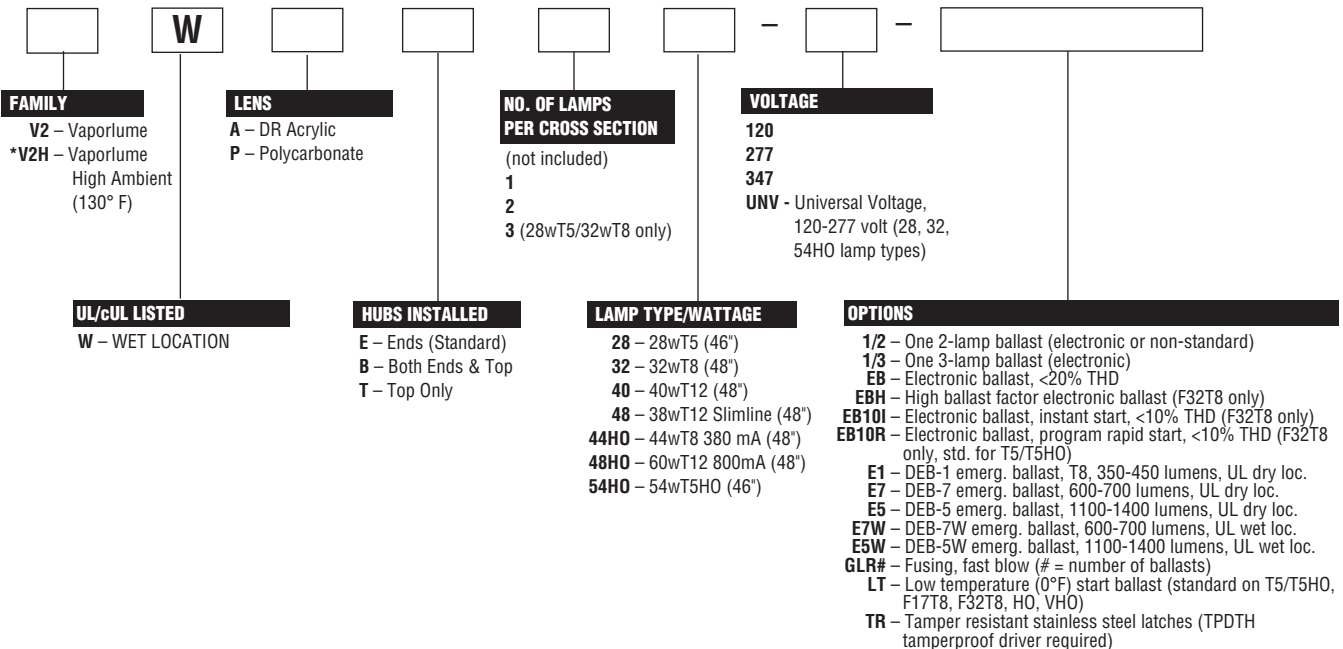
- Non-conductive, non-corrosive housing.
- Smooth exterior surface for easy cleaning.
- White molded fiberglass reinforced polyester body.
- High impact DR acrylic molded lens.
- Continuous closed cell, foam in-place gasket.
- Stainless steel cam action latches.
- Lighting channel painted after fabrication with polyester powder coating.
- Two gasketed threaded (1/2" trade size) wet location hubs installed on ends as standard, also available on top of housing.

- Class P, HPF, CBM certified ballasts.
- Electronic ballasts are standard on high ambient and high output (44HO and 48HO) models, please include EB ballast designator in catalog number. Magnetic HO ballasts are more expensive than electronic and are suitable for cold ambient applications only.
- Self-contained fluorescent emergency ballasts available: Wet location only, use DEB-7W or DEB-5W.
- UL/cUL listed.
- Wet Location UL 1598, also suitable for damp locations.
- Day-Brite's standard luminaires for high output T8 (380mA) or T12 (800mA) include ballasts rated for -20°F starting temperature where available.

ACCESSORIES

- **TBK** – Stainless Steel Top Surface Mounting Brackets (pair)
- **EBK** – Stainless Steel End Surface Mounting Brackets (pair)
- **WBK** – Wraparound stainless steel brackets (pair) for surface or chain mounting
- **FKR-126** – Chain Hanger Set (requires TBK or TBKG)
- **TPDTH** – Tamperproof driver, Torx head pin drive (required with TR option)

CATALOG NUMBER



* 32 or 40 lamps only.

See section 1600-OA for option info.

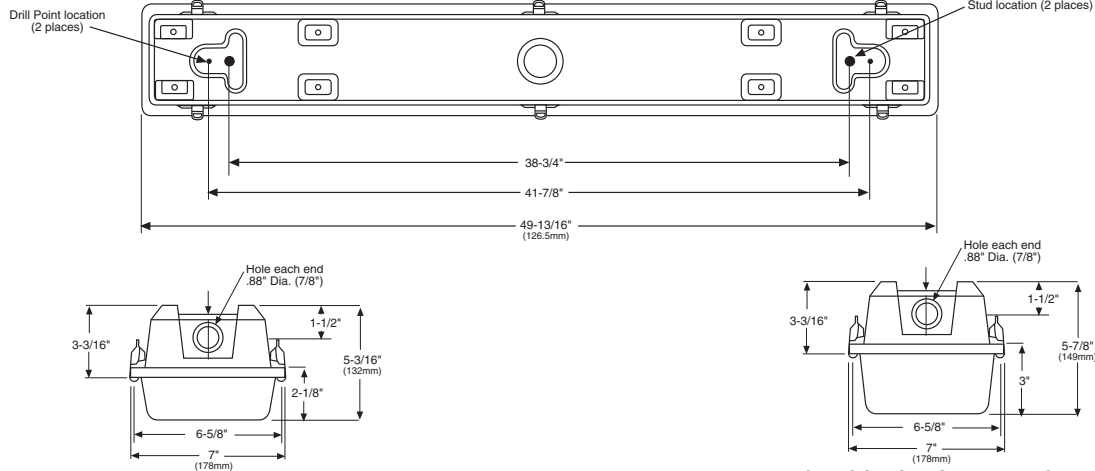
JOB INFORMATION

1504.4-PF

4' SPECIFICATION VAPORLUME



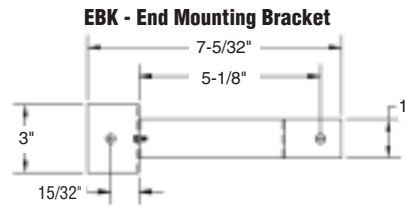
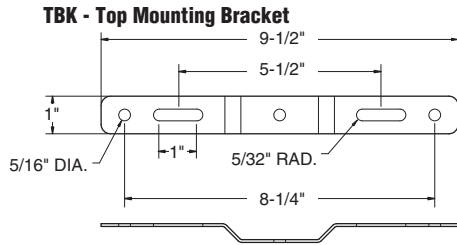
DIMENSIONS



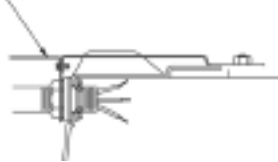
SHALLOW LENS VERSION (STANDARD)

DEEP LENS VERSION FOR HIGH AMBIENT, OR WHEN 800MA LAMPS ARE OPERATED ON MAGNETIC BALLASTS.

MOUNTING BRACKETS



EBK - End Mounting Bracket



PHOTOMETRIC DATA

CATALOG # V2WAE232-120-1/2-EB
TEST #20017 S/MH=1.5

LAMPS = F32T8
BALLAST = ELECTRONIC

INPUT WATTS = 54
BALLAST FACTOR = .88

LER = F-79

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.04 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 85.1%

CANDLEPOWER				
Angle	End	45	Cross	
0	1109	1109	1109	
5	1102	1105	1104	
15	1066	1096	1116	
25	988	1063	1117	
35	871	1007	1110	
45	717	921	1065	
55	528	796	973	
65	336	661	867	
75	174	552	739	
85	53	369	511	
95	19	199	323	
105	15	112	190	
115	7	56	83	
125	3	28	39	
135	2	13	23	
145	4	7	13	
155	4	4	6	
165	5	5	7	
175	6	7	8	

MAINTAINED ILLUMINATION TABLE - Square Feet/Fixture*

- 80-50-20 Reflectances (Ceiling-Wall-Floor)
- LLF = 0.75 2850 Lumens/Lamp 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 F32 T8	5	-	119	71	51	36
	2	-	77	46	33	-
	1	-	55	33	-	-

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 2850 LUMEN LAMPS

ANGLE	END	45°	CROSS
45	5162	5457	5986
55	4608	5337	6090
65	3872	5287	6339
75	3090	5685	6743
85	2194	5573	6459

TYPICAL V.C.P.'s Room Mounting Height

Room Size	Mounting Height			
	Lengthwise		Crosswise	
	8.5	10	8.5	10
30x30	30	37	24	30
40x40	26	30	21	25
60x30	31	36	27	33
60x60	24	26	19	21
100x100	22	23	18	19

COEFFICIENT OF UTILIZATION

pfc pcc pw	20				70				50			
	70	50	30	10	70	50	30	10	70	50	30	10
RCR												
0	100	100	100	95	95	95	91	91	91	91	91	91
1	88	82	78	84	80	76	75	71	71	71	71	71
2	79	70	64	76	68	61	64	58	58	58	58	58
3	70	60	53	68	58	52	56	48	48	48	48	48
4	65	54	45	61	52	44	48	41	41	41	41	41
5	58	47	39	56	46	38	42	36	36	36	36	36
6	55	42	34	53	40	34	39	32	32	32	32	32
7	51	38	29	48	36	29	34	28	28	28	28	28
8	46	34	27	45	34	27	32	26	26	26	26	26
9	44	32	25	41	30	23	28	23	23	23	23	23
10	40	28	22	40	28	22	27	20	20	20	20	20

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	905	15.9	18.7
0-40	1532	26.9	31.6
0-60	2923	51.3	60.3
0-90	4438	77.9	91.5
90-180	412	7.2	8.5
0-180	4850	85.1	100.0

LLF = .75 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94 CLEAN 0.90
LDD = 0.91 @ 40% RATED LAMP LIFE BF = 0.88 ELECTRONIC BALLAST & T8 LAMP (RELAMP AT 70% LAMP LIFE)

1504.4-PF

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PHILIPS