

**2 Lamp
T8 or T12 or Slimline or
High Output T8(380mA) or T12(800mA)
3 Lamp T8**

**NSF International
Certified for C-2 Splash Zone Applications
UL Wet Location Listed**

APPLICATION

- An inspection area fixture to meet the stringent standards of food processing environments where surfaces are subject to occasional soiling, spilling, or splash contact.
- Prismatic lensed unit has interior prisms with field selectable wide or narrow optical distribution for custom fixture performance per application and mounting height.
- Acceptable for outdoor installations.
- Stainless steel suspension mount, hanging brackets included. Stainless steel surface mounting bracket optional.
- Shipped complete with lamps (3500K, 80 plus CRI) and 6' SO power cord installed (plug not included).
- Rated for areas of high humidity, water vapor, rain, incidental water spray, or other non-corrosive or non-flammable liquids.
- Tested to withstand 1200 psi at 3.8 gpm without leaking.
- Optional Brad Harrison watertight threaded quick-disconnect receptacle.

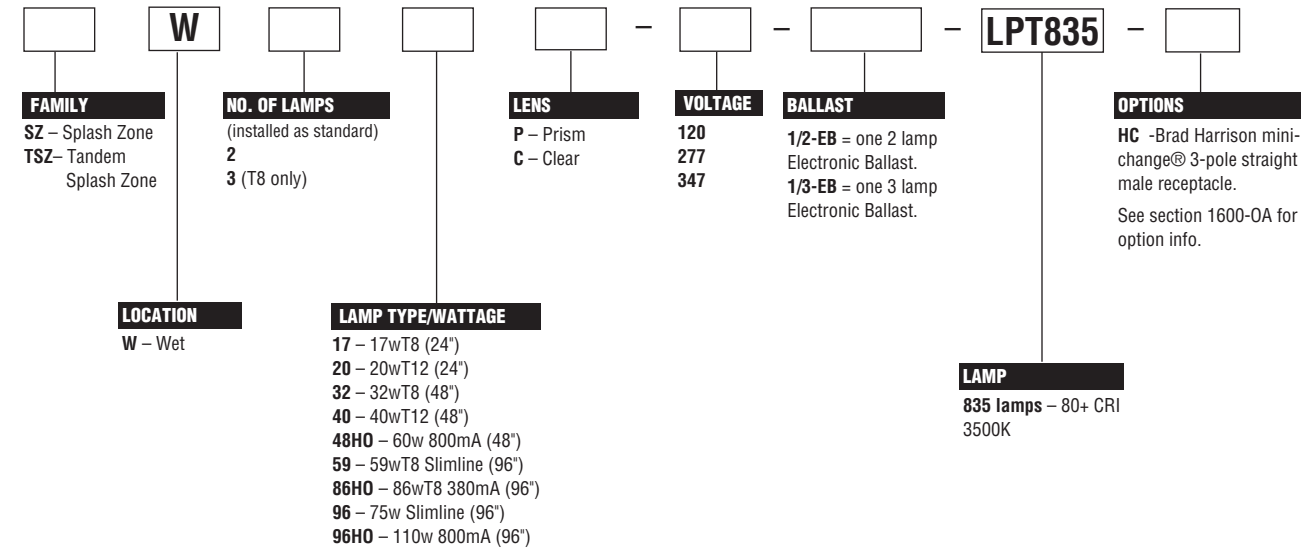
CONSTRUCTION/FINISH

- Heavy duty prismatic acrylic lens with wide distribution installed standard. Prismatic lens can be field rotated for narrow distribution. Clear acrylic lens also available.
- Non-conductive, non-corrosive housing.
- Smooth exterior for easy cleaning.
- High impact .100" nominal thickness acrylic lens.
- Molded fiberglass reinforced ends.
- Continuous silicone rubber gaskets.
- Lighting channel painted after fabrication with polyester powder coating.
- All exterior mounting brackets and hardware are stainless steel.

ELECTRICAL

- UL/cUL listed for Wet Location, UL 1570/cUL C22.2 No. 9.
- Energy saving electronic ballasts are standard.
- Low temperature ballast available on some models.
- Day-Brite's standard fixtures for high output T8 (380mA) and T12 (800mA) include ballasts rated for -20°F starting temperatures.

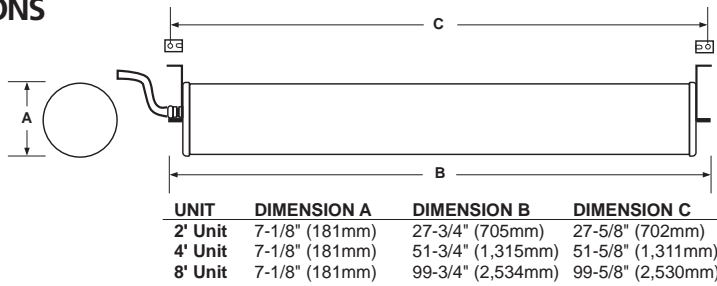
CATALOG NUMBER



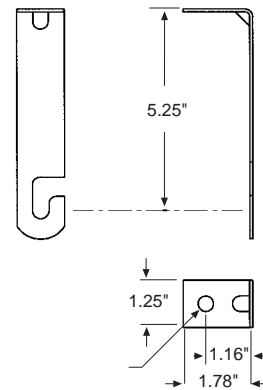
NOTES:

- Accessory catalog number **szb** (pair of surface mounting brackets) to be ordered separately.

DIMENSIONS



SZB- SURFACE MOUNTING BRACKET



CONFIGURATIONS

TWO LAMP

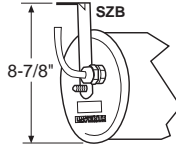


THREE LAMP



T8 Lamps Only

SURFACE BRACKET



PHOTOMETRIC DATA

CATALOG # SZW232P-1/2-EB
TEST # 19252 S/MH=1.6

LAMPS = F32T8
BALLAST = ELECTRONIC

INPUT WATTS = 55
BALLAST FACTOR = .88

LER = 75

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.20 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY = 82.6

NARROW DISTRIBUTION

CANDLEPOWER				
Angle	End	45	Cross	
0	1002	1002	1002	
5	997	1007	1007	
15	957	1059	1118	
25	895	1104	1170	
35	777	1072	1078	
45	648	899	948	
55	507	755	921	
65	345	651	839	
75	114	489	646	
85	13	314	459	
95	5	188	364	
105	5	101	216	
115	5	60	111	
125	7	37	64	
135	8	35	38	
145	10	17	24	
155	10	14	18	
165	12	11	14	
175	12	12	12	

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' 2-Lamp	5	-	116	69	50	35
	2	-	75	45	32	-
	1	-	54	32	-	-

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 2850 LUMEN LAMPS

ANGLE	END	45°	CROSS
45	3844	3367	3207
55	3521	2926	3164
65	3000	2700	3020
75	1382	2254	2523
85	274	1687	2027

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

COEFFICIENT OF UTILIZATION

pfc	20			70			50		
	70	50	30	70	50	30	50	30	50
RCR	95	95	95	93	93	93	86	86	86
0	85	81	77	82	78	73	72	69	69
1	77	68	63	73	67	60	63	57	57
2	69	59	52	67	57	51	54	47	47
3	63	52	45	60	51	42	47	40	40
4	57	46	39	56	45	38	41	35	35
5	53	41	34	51	40	33	38	32	32
6	48	36	29	46	35	28	34	28	28
7	46	34	27	44	33	26	30	25	25
8	42	30	23	40	29	23	28	23	23
9	40	28	22	38	28	20	26	20	20
10									

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	885	15.5	18.8
0-40	1512	26.5	32.1
0-60	2868	50.3	60.9
0-90	4259	74.7	90.5
90-180	449	7.9	9.5
0-180	4708	82.6	100.0

PHOTOMETRIC DATA

CATALOG # SZW232P-1/2-EB
TEST # 19253 S/MH=1.6

LAMPS = F32T8
BALLAST = ELECTRONIC

INPUT WATTS = 55
BALLAST FACTOR = .88

LER = 76

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.16 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY = 83.4

WIDE DISTRIBUTION

CANDLEPOWER				
Angle	End	45	Cross	
0	862	862	862	
5	862	880	884	
15	822	942	1012	
25	742	1018	1113	
35	626	1006	1021	
45	488	836	883	
55	348	692	910	
65	217	662	918	
75	75	613	777	
85	9	448	552	
95	2	277	385	
105	3	169	278	
115	3	79	160	
125	3	31	66	
135	4	22	34	
145	6	17	25	
155	7	14	20	
165	7	10	14	
175	8	8	9	

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' 2-Lamp	5	-	114	69	49	34
	2	-	74	45	32	-
	1	-	53	32	-	-

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 2850 LUMEN LAMPS

ANGLE	END	45°	CROSS
45	2895	3131	2987
55	2417	2682	3126
65	1887	2745	3305
75	909	2826	3035
85	189	2406	2438

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

COEFFICIENT OF UTILIZATION

pfc	20			70			50		
	70	50	30	70	50	30	50	30	50
RCR	96	96	96	93	93	93	86	86	86
0	84	80	75	81	77	72	70	68	68
1	76	68	60	72	65	58	60	55	55
2	68	58	51	66	56	48	52	46	46
3	61	51	42	59	48	41	46	39	39
4	56	45	36	55	44	35	40	34	34
5	53	40	32	50	39	32	36	29	29
6	48	35	28	46	34	28	33	27	27
7	45	33	26	42	32	25	29	23	23
8	41	29	23	40	28	23	28	22	22
9	39	28	20	38	27	20	25	20	20
10									

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	798	14.0	16.8
0-40	1374	24.1	28.9
0-60	2618	45.9	55.1
0-90	4180	73.3	88.0
90-180	572	10.0	12.0
0-180	4752	83.4	100.0