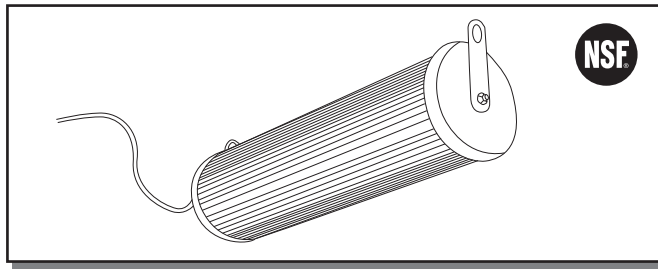


# 2', 4', or 8' SPLASH ZONE



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

**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.

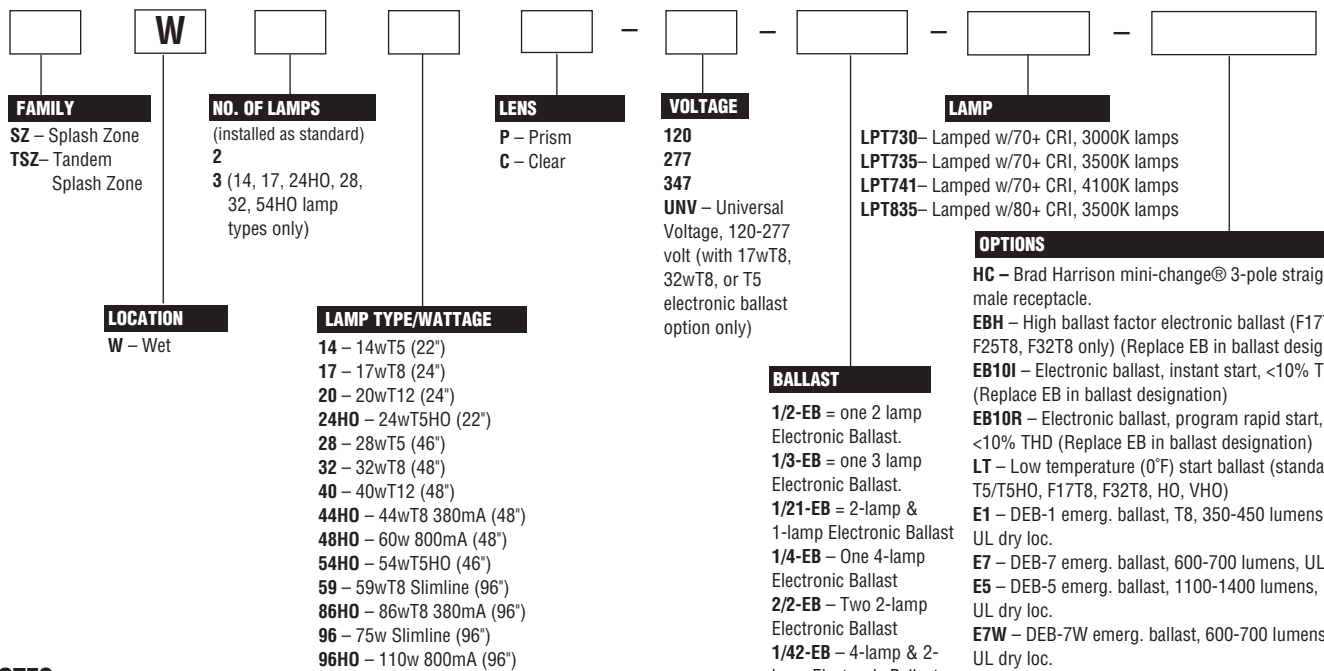
## CONSTRUCTION/FINISH

- 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.

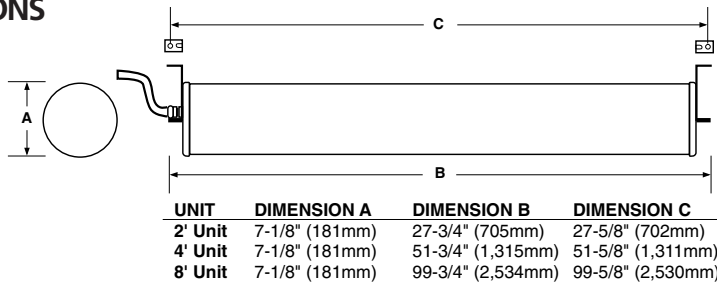
## JOB INFORMATION

**1525.2-PF**

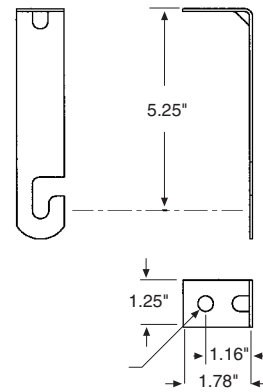
**PHILIPS  
Day-Brite**

# 2', 4', or 8' SPLASH ZONE

## DIMENSIONS



## SZB- SURFACE MOUNTING BRACKET



## CONFIGURATIONS

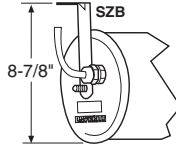
TWO LAMP



THREE LAMP



## 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

### 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	-	-

### COEFFICIENT OF UTILIZATION

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

### 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)

### 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

NARROW DISTRIBUTION

## 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

### 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	-	-

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

### 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

WIDE DISTRIBUTION

NVLAP The photometric results were obtained in the Gavlye Thomas Group LLC Indoor Division Laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

1525.2-PF

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