



HB1/PB1 2x RA Series FLUORESCENT | FLANGE



2x BOOTH LITE

APPLICATIONS:

- UL/CUL Listed Wet Location
- UL/CUL Hazardous Location (Class I, Division 2; Groups A, B, C & D; Class II, Division 2; Groups F & G)
- UL Listed Hazardous Location Spray Booth

BENEFITS:

- Rear access
- HB Series Suitable for UL Class I, Div.2 and Class II, Div.2 locations
- PB Series Suitable for paint spray booths

FEATURES:

- Adjustable specular reflector system available
- Premium electronic ballast standard
- Every luminaire tested with lamps to assure customer satisfaction
- 5 year limited warranty
- Proudly made in **USA**

SPECIFICATIONS:

HOUSING:

Constructed of nominal 20GA (.036) inc coated steel for unmatched corrosion protection. One welded, tapered, threaded hub provides a sealed wireway access. All seams are sealed with long life acrylic sealant.

REFLECTOR:

Fabricated of zinc coated steel, painted with a minimum reflectance of 88%.

OPTIONAL REFLECTOR SYSTEM:

Clear tempered glass lens (H6 option) and fully adjustable individual specular reflectors (R9 option) designed to independantly direct light from each lamp.

REAR ACCESS DOOR:

22GA (.030) zinc coated steel. Door is secured in place with captive screws. EPDM gasket seals door to housing. Two fold-down handles provide easy removal for servicing.

GASKETING:

Non-silicone gasket used to seal lens to mounting flange.

FINISH:

Painted surfaces are two mil of white polyester enamel.

LENS:

.187 Pattern 62 tempered glass held in place with continuous angles.

ELECTRICAL:

All ballasts and lampholders are UL Listed.

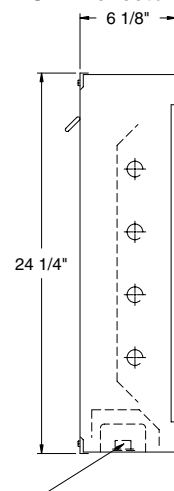
MOUNTING:

Supplied with 16GA (.060) stainless steel flange. 304 SS standard, 316 SS and other materials also available. Custom size flanges available. Contact Sales Representative for information.

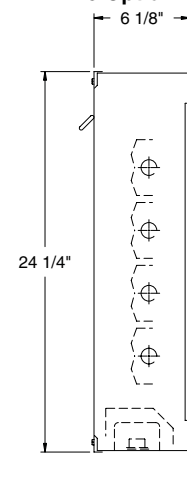
TEMPERATURE CODE:

Class I, Div. 2= T4 (135°C); Class II, Div. 2= T3C (160°C)

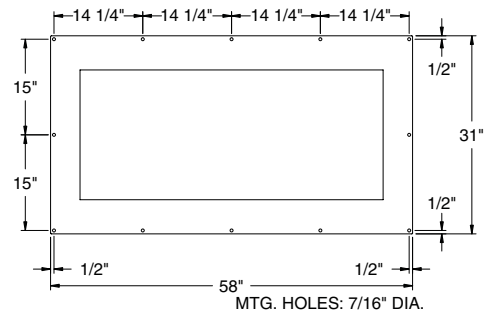
STD Reflector



R9 Option



1/2" THREADED HUB (WIRE ENTRY)



NOMINAL HOUSING DIMENSIONS IN INCHES		
LUMINAIRE	HOUSING	PANEL CUT-OUT SIZE
2 FT x 4 FT	24 1/4 x 48 1/4	26 1/2 x 50 3/4

REV 1/05



Hazardous Location:

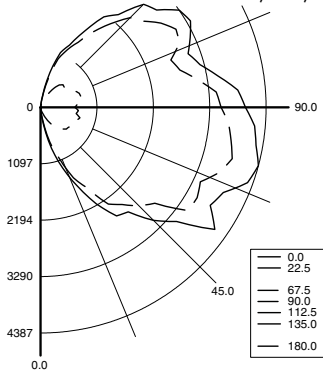


HB1/PB1 2x RA Series



PHOTOMETRICS:

Model PB15329-H6-RA-R9, 4FT, Adjust. Specular Reflectors And Clear Tempered Glass Lens, 5 32W T8 Fluorescent Lamps, Lamp Lumen Rating = 2950



Coefficients of Utilization, Zonal Cavity Method

Floor Cavity Reflectance: 20%

RC	.8				.7				.5				.3				.1				0
RW	.7	.5	.3	.1	.7	.5	.3	.1	.5	.3	.1	.5	.3	.1	.5	.3	.1	.5	.3	.1	0
R 0	78	78	78	78	72	72	72	72	62	62	62	52	52	52	43	43	43	39	39	39	39
C 1	67	62	57	53	61	57	53	49	48	44	42	39	37	34	31	29	28	24	24	24	24
R 2	59	52	45	40	54	47	42	37	39	35	31	32	28	25	25	22	20	16	16	16	16
3	53	44	37	31	48	40	34	29	33	28	24	26	22	19	20	17	15	12	12	12	12
4	48	38	30	25	43	34	28	23	28	23	19	23	18	15	17	14	11	9	9	9	9
5	43	33	26	20	39	30	23	19	25	19	15	20	15	12	15	12	9	6	6	6	6
6	39	29	22	17	36	26	20	15	22	17	13	17	13	10	13	10	7	5	5	5	5
7	36	26	19	14	33	24	17	13	19	14	11	15	11	8	12	8	6	4	4	4	4
8	33	23	17	12	30	21	15	11	17	12	9	14	10	7	11	7	5	3	3	3	3
9	31	21	15	10	28	19	13	10	16	11	8	13	9	6	10	6	4	3	3	3	3
10	29	19	13	9	26	17	12	8	14	10	7	11	8	5	9	6	4	2	2	2	2

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	267	1.8	2.5
0-40	687	4.7	6.5
0-60	2240	15.2	21
0-90	5737	38.9	53.9
90-120	2971	20.1	27.9
90-130	3754	25.4	35.2
90-150	4689	31.8	44
90-180	4912	33.3	46.1
0-180	10649	72.2	100

Total Luminaire Optical Efficiency = 72.2%
Spacing Criterion: 0° = 5.44, 90° = 5.44

2x BOOTH LITE—REAR ACCESS ORDERING INFORMATION:

SERIES	LAMP QTY	LAMP TYPE	LENS	ACCESS	OPTIONS	VOLTAGE
HB1 Hazardous	4		9 .187 Tempered Glass (P62)	RA	EMERGENCY B9 Bodine B65U Hazardous Location (0-50°C)	120V/60Hz Standard
PB1 Spray Paint Booth	5 32W Only				BALLASTS D4 < 10% THD (Consult Factory) E2 2 Electronic Ballasts E3 3 Electronic Ballasts E8 High Light Output 32W T8 Ballast E9 Rapid Start Electronic Ballast	277V/60Hz 347V/60Hz
32 F32T8 (4FT)		0°			FUSING F1 GLR/HLR Fusing (Fast) F2 GMF/HLR Fusing (Slow)	50Hz & Other Voltages Available
48T8H F48T8/HO (4FT)		-20°			LENSING H5 .156 C73 Tempered Glass H6 .187 Clear Tempered Glass	
					MISC R5 Specular Aluminum Reflector R9 Adjustable Specular Aluminum Reflector System	

Add hyphens between options

Project Information:

Information subject to change without notice. Lamps supplied by others.

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