

Prism Bay 25 (ESB)

Prism Bay 25 Specification

Prism Bay 25 versatile high bay luminaire shall consist of a 25" acrylic reflector/refractor, two piece heavy duty die cast aluminum ballast housing, designed for most industrial and commercial applications. Ballast mounted directly to the ballast housing for cooler operation. Available in 400 and 1000 watt high pressure sodium lamp or 400 and 1000 watt metal halide lamp. Available with (specify) 120, 208, 240, 277, 480 volt or 4MT (120,208,240,277V) 60Hz ballast. Luminaire shall be completely pre-wired.

Basic Product Description

Luminaire is finished in white powder polyester finish with 3/4" threaded hub on top of pendant adapter. The pendant slide on adaptor assures plumb alignment for swivel pendant and pre-wired power hook mounting. Labor saving combination through wire and outlet box slide on adaptor has keyhole slots for direct to junction box installation. Porcelain socket will contain a lamp grip, nickel plated spring loaded center contact, eliminating lamp loosening.

Ballast Characteristics

The Prism Bay shall contain a long lasting, suitable for 55°C (400 watt open), 25°C (1000 watt open) ambient temperature, U.L. recognized High Power Factor, constant wattage auto-transformer type ballast. Will start metal halide lamps at -20°F (-30°C) and -40°F (-40°C) for HPS. Mercury vapor lamps may be used in 1000 watt metal halide fixtures. For availability of 220/240V 50Hz ballasts - consult factory.

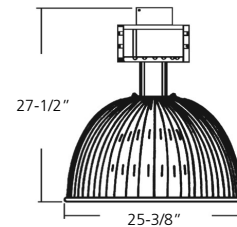
Reflector/Refractor Assembly

The acrylic seamless reflector/refractor provides a IES type V wide beam distribution. For polycarbonate reflector/refractor, consult factory. The refractor shall be supplied open.



Lamp not included

WEIGHT = 27-30 lbs



Form AO

Accessories/Mounting Brackets, see Accessory Page

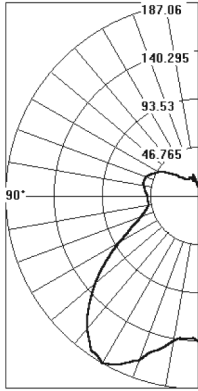
Reflexor® by LEXALITE®

Ordering Example							
Unit	Wattage	Photometrics	Mounting	Lamp Style	Voltage	Ballast Style	Options
ESB	8	5	7	H	208	H	AO25
Prism Bay	6 - 400 8 - 1000	5 - Wide Beam	7 - Pendant Mount 8 - Combination thru wire outlet box	H - Metal Halide LS - High Pressure Sodium	120 208 240 277 480 4MT- (120, 208, 240, 277V) RBH - Remote Ballast*	H - High Power Factor	AO - Open
				Accessories			
				QS			
				SIF - Single Inline Fuse (120,277V)			
				DIF - Double Inline Fuse (208,240,480V)			
				BSC - Ballast Safety Cable (6 foot)			
				RSC - Reflector Safety Cable (2 foot)			
				DP - Damp Location			
				3CPLG - 3' cord w/locking plug			
				WG - Wire Guard			
				MH 3/4 - 3/4" Male Hook			
				ML 3/4 - 3/4" Male Loop			
				MPH 3/4 - 3/4" Power Hook			
				EM - Emergency Quartz Relay and Socket			
				EM60 - Emergency Quartz Delay Relay and Socket			
				QS - Quartz Socket only-auxiliary power required			
				QB - Encapsulated ballast for quiet operation			
				DL - Energy saver "Dualumen" system			
*Consult Factory							
CSA Certification - consult factory.							



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Photometrics



ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-30	140.6	14.1	15.7
0-40	253.0	25.3	28.2
0-60	466.3	46.6	52.1
0-90	647.6	64.8	72.3
90-120	165.0	16.5	18.4
90-130	200.7	20.1	22.4
90-150	233.7	23.4	26.1
90-180	248.1	24.8	27.7
0-180	895.7	89.6	100.0

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD																		
	80				70				50				30				10	0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	101	101	101	101	95	95	95	95	86	86	86	77	77	77	69	69	69	65
1	90	85	81	77	85	81	77	73	72	69	66	65	62	60	58	56	54	50
2	81	74	67	62	77	70	64	59	63	58	54	56	52	49	50	47	44	41
3	74	64	57	51	70	61	54	49	55	49	45	49	45	41	44	40	37	34
4	68	57	49	43	64	54	47	41	48	42	38	43	39	35	39	35	32	29
5	62	50	42	36	58	48	40	35	43	37	32	39	34	30	35	31	27	25
6	57	45	37	31	54	43	35	30	39	33	28	35	30	26	31	27	24	21
7	53	41	33	27	50	39	31	26	35	29	24	32	26	23	28	24	21	19
8	49	37	29	24	46	35	28	23	32	26	22	29	24	20	26	22	18	16
9	45	33	26	21	43	32	25	21	29	23	19	26	21	18	24	20	16	15
10	42	31	24	19	40	29	23	18	27	21	17	24	19	16	22	18	15	13

Catalog Number: ESB-857H-XXXH-AO-25
Lamp: Phosphor Coated Metal Halide

Reflector: Formed open bottom 25" dia. acrylic prismatic reflector/refractor.

Lumens: Per 1,000 lamp lumens

Efficiency: 89.6%

CIE Type: Semi-Direct

Luminaire Spacing Criteria: 1.8

Candela & Lumen values are based on 1,000 lamp lumens. For other lamp lumen ratings, multiply candela and lumen values by the number: Lumens divided by 1,000.

Per 1,000 Lamp Lumens

DEG	CANDELA	LUMENS
0	141.0	
5	139.5	13.2
15	156.0	44.0
25	188.4	83.4
35	182.5	112.3
45	150.3	115.8
55	109.3	97.7
65	71.3	70.7
75	53.2	56.2
85	49.6	54.3
90	50.0	
95	52.3	56.7
105	56.6	58.4
115	50.6	50.0
125	39.8	35.7
135	26.6	20.8
145	19.3	12.2
155	19.5	9.0
165	21.1	4.6
175	7.8	.84
180	7.0	