

Type No. _____

Catalog No. _____

Job. Name _____

BayLyter EconoBay

16" and 22" Acrylic Refractor
Economy HighBay

APPLICATIONS

- Manufacturing, Warehouses, Gymnasiums, Distribution Centers, Sports Facilities.

CONSTRUCTION

- Rugged die-formed steel ballast housing with white finish.
- Heavy gauge yoke provides positive mounting of reflector to ballast assembly.

OPTICS

- Field adjustable light distribution patterns.
- Efficient, high bay luminaire for general purpose industrial lighting.

ELECTRICAL

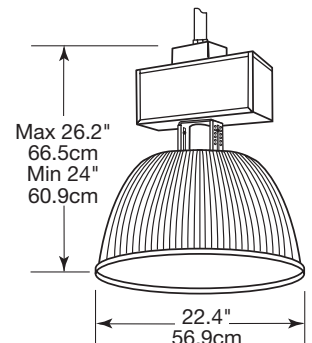
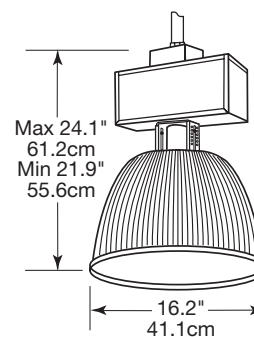
- Porcelain spring-loaded 4KV pulse rated socket-mogul base.
- Ballasts are HPF, Constant Wattage Autotransformer.
- Wiring box with 3/4" knockouts for thru-wire conduit connections.
- Starting temperature: LX(HPS)-40°F/-40°C, PMA(PS)-20°F/-30°C.
- Ambient temperature ratings-open and enclosed: 250W PMA(PS) or LX(HPS) and above rated for 25°C.
- All metal halide fixtures are pulse start with open-rated sockets.

MOUNTING

- Mounting via 3/4" rigid conduit (pendant hanger) hub or ExceLine hooks.

WARRANTY/LISTINGS

- UL 1598 listed for damp locations.
- Published one year limited warranty.



Ordering Guide Example: BEC16250PMAOR-8

BE	C	16	250	PMAOR		8
Prefix	Lens	Reflector	Wattage	Source	Options	Voltage
BE	C=Conical D=Drop E=Flat Acrylic ² G=Open	16 22	250 (E18) 400 (E18) ¹ 250 (E/BT28) 320 (E/BT28) ¹ 350 (E/BT37) ¹ 400 (E/BT37) ¹	LX PMAOR	See page 2	1=120 2=208 3=240 4=277 5=480 8=120-277

¹ Open only. Not available with lenses (16").

² Flat glass lens for 22".

ExceLine

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BayLyter Options

Options are factory installed. Order as suffix immediately after source.

COIL/CORD SET:

14/3 SOWA CORD INSTALLED WITH DIE CAST ALUMINUM LOOP OR HOOK - Specify voltage

- H** 3' cord, 714 loop, and 15a twist lock plug.
- I** 3' cord, 714 loop, and 20a twist lock plug.
- J** 3' cord, 715 hook, and 15a twist lock plug.
- K** 3' cord, 715 hook, and 20a twist lock plug.

DESIGNER FINISHES

Consult factory.

QUARTZ RESTRIKE LIGHTING

For use when primary lamp "drops out" from voltage drop. Lamp wattage cannot exceed the primary lamp wattage.

- B** Automatic time delay restrike for use until HID lamp reaches approximately 70% of its designed output: Q150/DC lamp.
- C** Manually switched socket from external 120V power source for 150PAR38 lamp.
- D** Manually switched socket from external 120V power source for Q150/DC lamp.

FUSING FOR BALLAST PROTECTION - Specify voltage

- F** Fusing for 120/277V.
- G** Fusing for 208/240/480V.

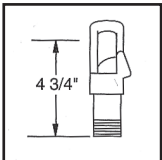
BayLyter Accessories

Accessories are field installed. Order as separate part number.



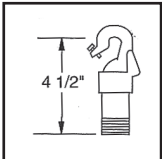
CORD SET: 16/3 SOWA CORD FOR FIELD INSTALLATION WITH DIE CAST ALUMINUM LOOP OR HOOK - Specify voltage

- 3C** Field installed 3' of 14/3 cord. No hook, LOOP OR PLUG included.



MOUNTING LOOPS AND HOOKS FOR LUMINAIRE SUSPENSION

- LMR** Closed cast aluminum loop.



- HMR** Open cast aluminum hook with safety screw.

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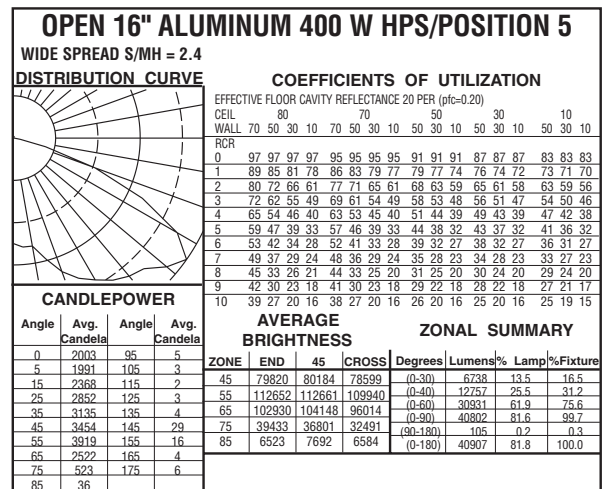
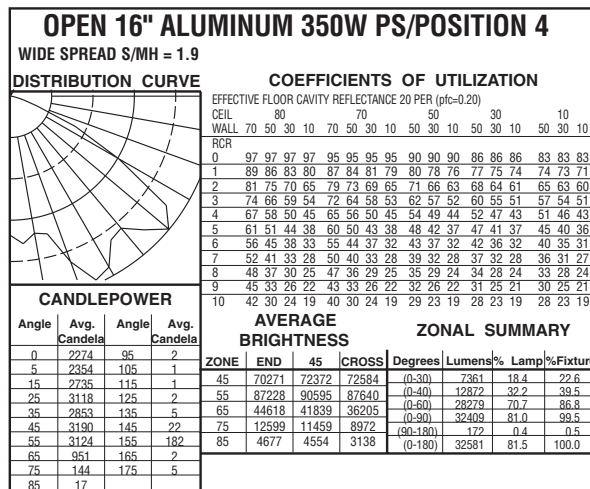
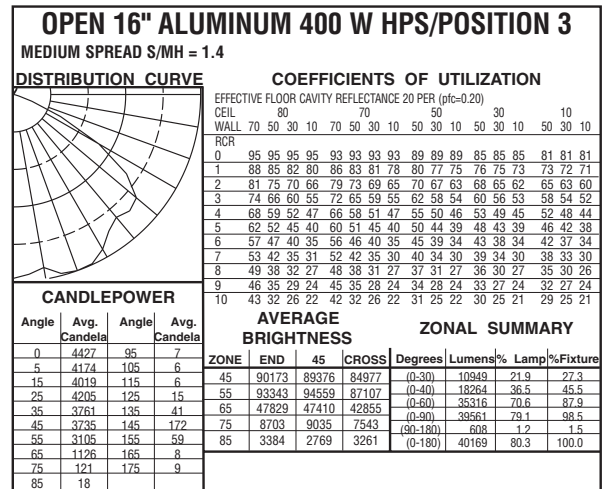
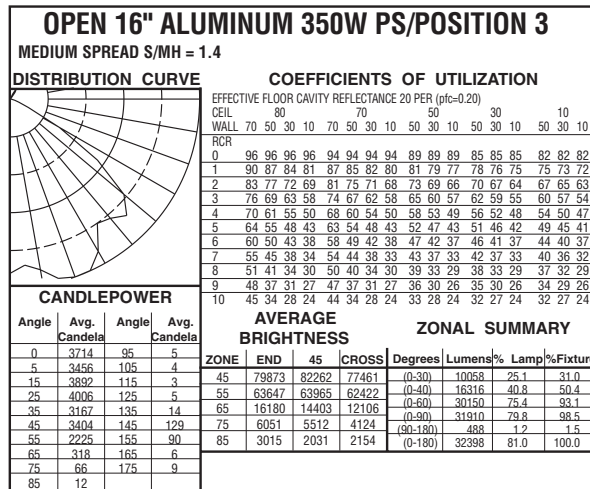
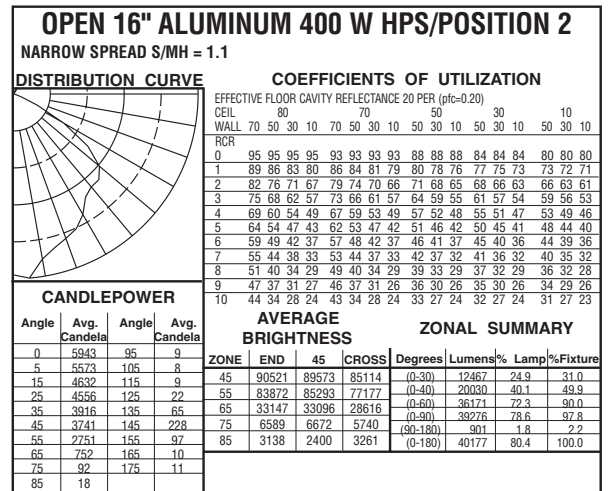
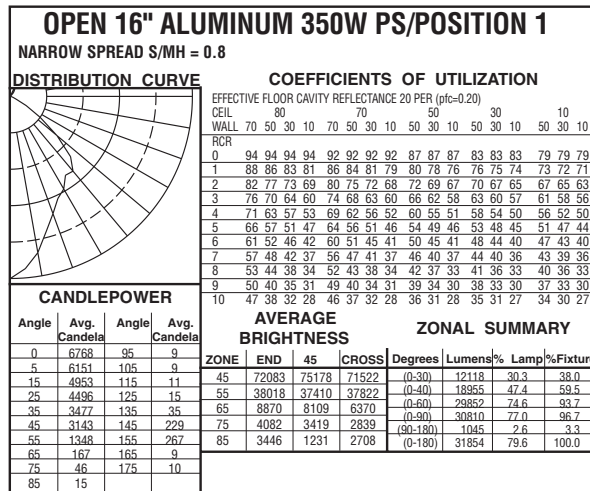
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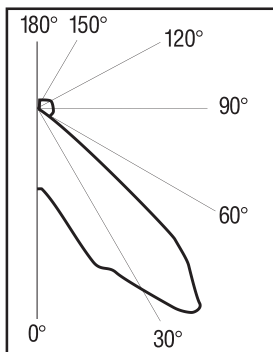
PHOTOMETRIC DATA



BayLyter EconoBay

22" Acrylic Refractor
Economy HighBay

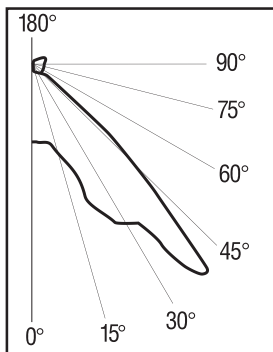
PHOTOMETRIC DATA



BYG22400MA/BEG22400MA
Lamp: 400W Metal Halide, Clear
Lumens: 36,000
Report # ST92049
Eff.= 90.2% S/MH= 1.6

Co-Efficients of Utilization					Effective Floor Cavity Reflectance = 20%												
RC	80				50			30			10			0			
RW	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
0	104	104	104	104	93	93	93	87	87	87	81	81	81	78			
1	96	92	88	85	82	80	78	77	75	73	72	70	69	66			
2	88	81	76	71	74	69	66	69	65	63	64	62	59	57			
3	81	73	66	61	66	61	57	62	58	54	58	55	52	49			
4	75	65	58	52	59	54	49	56	51	47	52	49	45	43			
5	69	58	51	45	53	47	43	50	45	41	47	43	40	38			
6	64	52	45	40	48	42	38	46	40	36	43	39	35	33			
7	59	47	40	35	44	38	33	41	36	32	39	35	31	29			
8	55	43	36	31	40	34	29	38	32	29	36	31	28	26			
9	51	39	32	27	36	30	26	34	29	25	33	28	25	23			
10	47	36	29	24	33	27	23	32	26	23	30	25	22	20			

C.P. DISTRIB.	
DEG.	CP
0	5415
5	5227
15	5897
25	11370
35	13797
45	8991
55	1789
65	1097
75	1043
85	1101
90	937
95	1046
105	1133
115	911
125	416
135	257
145	283
155	786
165	331
175	394
180	402



BYG22400LX/BEG22400LX
Lamp: 400W HPS, Clear
Lumens: 50,000
Report #- ST92075
Eff.= 86.0% S/MH=1.7

Co-Efficients of Utilization					Effective Floor Cavity Reflectance = 20%												
RC	80				50			30			10			0			
RW	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
0	108	108	108	97	97	97	97	91	91	91	85	85	85	78			
1	100	96	93	90	87	85	93	82	80	78	77	75	74	71			
2	93	87	82	77	79	75	72	75	72	69	70	68	66	63			
3	86	78	72	67	72	67	63	68	64	60	64	61	58	56			
4	80	71	64	58	65	60	55	62	57	54	59	55	52	50			
5	74	64	56	51	59	53	49	56	51	47	53	49	46	44			
6	68	57	50	44	53	47	43	51	45	41	48	44	40	38			
7	63	51	44	38	47	41	37	45	40	36	43	38	35	33			
8	57	46	38	33	42	36	32	40	35	31	38	34	30	28			
9	52	40	33	28	37	31	27	36	30	26	34	29	26	24			
10	48	36	28	24	33	27	23	32	26	22	30	25	21	20			

C.P. DISTRIB.	
DEG.	CP
0	6480
5	6635
15	10305
25	14461
35	19989
45	16591
55	2404
65	1305
75	1277
85	1274
90	1297
95	1294
105	1369
115	1005
125	444
135	342
145	800
155	755
165	369
175	336
180	416

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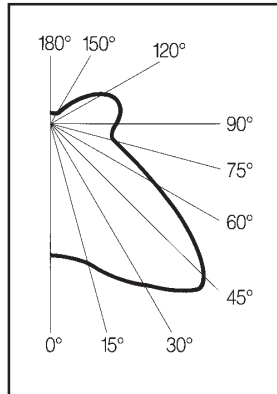
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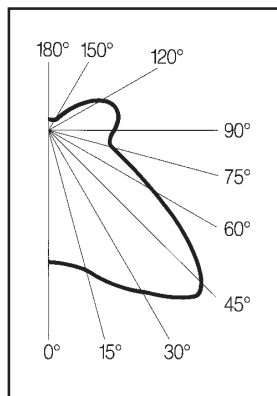
PHOTOMETRIC DATA



BYC22400MA/BEC22400MA
Lamp: 400W Metal Halide, Coated
Lumens: 36,000
Report # ST95039
Eff.= 86.1% S/MH= 1.9

Co-Efficients of Utilization					Effective Floor Cavity Reflectance = 20%														
RC	80				50			30			10			0					
RW	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
0	97	97	97	97	82	82	82	73	73	73	65	65	65	62					
1	86	81	77	73	69	66	63	61	59	57	55	53	51	48					
2	78	70	64	58	59	55	51	53	49	46	47	44	41	38					
3	70	61	53	47	51	46	42	46	42	38	41	37	34	31					
4	64	53	45	39	45	39	35	40	36	32	36	32	29	26					
5	58	47	39	33	40	34	29	36	31	27	32	28	24	22					
6	54	42	34	28	36	30	25	32	27	23	28	24	21	19					
7	49	38	30	24	32	26	22	29	24	20	26	21	18	16					
8	46	34	26	21	29	23	19	26	21	17	23	19	16	14					
9	42	31	24	19	26	21	17	24	19	15	21	17	14	12					
10	39	28	21	17	24	19	15	22	17	14	20	15	13	11					

C.P. DISTRIB.	
DEG.	CP
0	3677
10	3866
20	4448
30	5228
40	6118
50	5098
60	3345
70	2150
80	1743
90	1802
100	1972
110	2000
120	1725
130	1234
140	656
150	397
160	354
170	369
180	373



BYE22400LX/BEE22400LX
Lamp: 400W Metal Halide, Coated
Lumens: 47,500
Report # ST95041
Eff.= 86.2% S/MH=1.8

Co-Efficients of Utilization					Effective Floor Cavity Reflectance = 20%														
RC	80				50			30			10			0					
RW	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
0	98	98	98	98	85	85	85	78	78	78	71	71	71	67					
1	89	84	81	77	73	71	68	67	65	63	61	59	58	55					
2	81	74	68	63	64	60	57	59	56	53	54	51	49	46					
3	74	65	58	53	57	52	48	52	48	45	48	44	41	39					
4	68	57	50	44	51	45	41	46	42	38	38	34	36	33					
5	62	51	44	38	41	35	30	37	32	28	34	30	27	29					
6	57	46	38	33	41	35	30	37	32	28	34	30	27	25					
7	53	41	34	29	37	31	26	34	29	25	31	27	21	22					
8	49	37	30	25	33	27	23	31	26	22	28	24	21	19					
9	45	34	27	22	30	24	20	28	23	19	26	22	18	17					
10	42	31	24	20	28	22	18	26	21	17	24	19	16	15					

C.P. DISTRIB.	
DEG.	CP
0	6269
10	6709
20	7911
30	9746
40	11659
50	8225
60	2829
70	1562
80	1811
90	2002
100	2045
110	1878
120	1664
130	1226
140	757
150	541
160	447
170	458
180	453

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