

Type No. \_\_\_\_\_

Catalog No. \_\_\_\_\_

Job. Name \_\_\_\_\_

# BayLyter EconoBay

**22" Acrylic Refractor  
Economy LowBay**

## 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

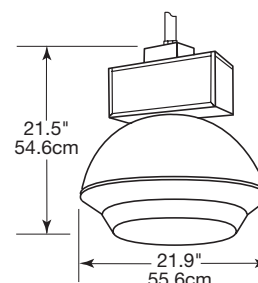
- Porcelain spring-loaded 4KV pulse rated socket-mogul base.
- Ballasts are HPF, Constant Wattage Autotransformer.
- Wiring box with 3/4" knockouts for thru-wire conduit connections.
- Starting temperature: LX(HPS)-40°F/-40°C, PMA(PS)-20°F/-30°C.
- Ambient temperature ratings-open and enclosed: 250W PMA(PS) or LX(HPS) and above rated for 45°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: BEL222500PMAOR-5

<div>BE</div> <div></div>	<div>L</div> <div></div>	<div>22</div> <div></div>	<div>250</div> <div></div>	<div>PMAOR</div> <div></div>	<div></div> <div></div>	<div>5</div> <div></div>
Prefix	Lens	Reflector	Wattage	Source	Options	Voltage
BE	L=LowBay	22	250 (E18) 400 (E18)	LX	See page 2	1=120 2=208 3=240 4=277 5=480 8=120-277
			250 (E/BT28) 320 (E/BT28) 350 (E/BT37) 400 (E/BT37)	PMAOR		

## ExceLine

1611 Clovis R. Barker Road • San Marcos, TX 78666  
800.545.1326 • 512.392.5821 • Fax: 512.753.1122 • [www.exceline.com](http://www.exceline.com)

PT#: EXSP093A0812

Product information is subject to change without notice

**PHILIPS**

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# BayLyter EconoBay

22" Acrylic Refractor  
Economy LowBay

## 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.

- L** Automatic time delay restrike for use until HID lamp reaches approximately 70% of its designed output: Q150/DC lamp.
- M** 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.

### POLYCARBONATE LOWBAY REFRACTOR

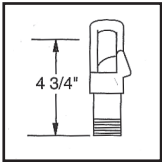
- P** For LowBay

## BayLyter Accessories

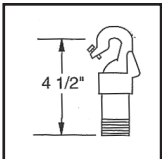
Accessories are field installed. Order as separate part number.



**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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**PHILIPS**

### PHOTOMETRIC DATA

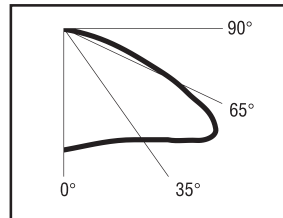
BEL22400MA  
Lamp: 400W Metal Halide, Clear  
Lumens: 34,000  
I.T.L. Report #28708  
Total Luminaire Efficiency = 85.1%  
Spacing Criterion = 1.7

Co-Efficients Of Utilization (Floor Reflectance = .20)												
RC	80	50	30	10	0							
RW	70	50	30	10	50	30	10	50	30	10	50	0
1	91	87	83	80	80	77	75	76	74	72	72	69
2	83	76	70	65	70	65	61	66	63	59	63	60
3	75	66	59	53	61	55	51	58	53	49	55	51
4	68	58	50	44	54	47	42	51	46	41	49	44
5	62	50	42	37	47	40	35	45	39	35	43	38
6	56	44	36	30	41	34	29	39	33	29	37	32
7	51	38	30	25	36	29	24	34	28	24	33	27
8	47	34	27	21	32	25	21	31	25	20	29	24
9	43	31	23	18	29	22	18	27	21	17	26	21
10	40	18	20	16	26	20	15	25	19	15	24	18

CAN. PWR. DISTRIBUTION		
Deg.	CP	Lumens
0	5590	
5	5500	524
15	5730	1624
25	6070	2779
35	5740	3671
45	6750	5260
55	7950	6913
65	3860	3954
75	1710	1827
85	800	899
90	540	
95	470	508
105	350	370
115	360	342
125	280	231
135	40	40
145	20	0
155	0	0
165	0	0
175	0	0
180	0	0

BEL22250MA  
Lamp: 250W Metal Halide, Clear  
Lumens: 20,500  
I.T.L. Report #28719  
Total Luminaire Efficiency = 84.1%  
Spacing Criterion = 1.8

Co-Efficients Of Utilization (Floor Reflectance = .20)												
RC	80	50	30	10	0							
RW	70	50	30	10	50	30	10	50	30	10	50	0
1	91	87	83	80	80	78	75	76	74	72	73	69
2	83	76	71	66	71	67	63	68	64	61	64	59
3	76	67	61	55	63	57	53	60	55	52	57	53
4	70	60	53	47	56	50	46	53	48	45	51	47
5	64	53	46	40	50	44	39	48	42	38	46	41
6	58	47	39	34	44	38	33	42	37	33	41	36
7	53	41	34	29	39	33	28	37	32	27	36	31
8	49	37	30	25	35	29	24	33	28	24	32	27
9	45	33	26	21	31	25	21	30	24	20	29	24
10	41	30	23	18	28	22	18	27	21	17	26	21



CAN. PWR. DISTRIBUTION		
Deg.	CP	Lumens
0	4060	
5	4000	381
15	4040	1153
25	4220	1954
35	4630	2892
45	5180	3859
55	3220	2931
65	1660	1673
75	1010	1066
85	460	512
90	320	
95	260	289
105	220	222
115	210	199
125	90	86
135	30	20
145	0	0
155	0	0
165	0	0
175	0	0
180	0	0

BEL22400LX  
Lamp: 400W H.P. Sodium, Clear  
Lumens: 50,000  
I.T.L. Report #28707  
Total Luminaire Efficiency = 79.2%  
Spacing Criterion = 1.9

Co-Efficients Of Utilization (Floor Reflectance = .20)												
RC	80	50	30	10	0							
RW	70	50	30	10	50	30	10	50	30	10	50	0
1	85	81	78	75	75	73	70	71	69	67	68	66
2	78	71	66	61	66	62	58	63	59	56	60	57
3	71	62	56	51	58	53	49	55	51	47	53	49
4	65	55	48	43	51	46	41	49	44	40	47	43
5	59	48	41	36	45	39	35	43	38	34	41	37
6	54	43	35	30	40	34	29	38	33	29	37	32
7	49	37	30	25	35	29	24	33	28	24	32	27
8	45	33	26	21	31	25	21	30	24	21	29	24
9	41	30	23	18	28	22	18	27	21	17	26	21
10	38	27	20	16	25	19	15	24	19	15	23	18

CAN. PWR. DISTRIBUTION		
Deg.	CP	Lumens
0	8160	
5	8140	777
15	8340	2369
25	9070	4163
35	9350	5904
45	10670	8202
55	9210	8120
65	4400	4488
75	2330	2455
85	1090	1194
90	750	
95	620	677
105	480	508
115	480	447
125	270	235
135	50	40
145	10	3
155	0	0
165	0	0
175	0	0
180	0	0

BEL22250LX  
Lamp: 250W H.P. Sodium, Clear  
Lumens: 27,500  
I.T.L. Report #28709  
Total Luminaire Efficiency = 82.5%  
Spacing Criterion = 1.9

Co-Efficients Of Utilization (Floor Reflectance = .20)												
RC	80	50	30	10	0							
RW	70	50	30	10	50	30	10	50	30	10	50	0
1	89	85	81	78	78	76	73	75	72	70	71	69
2	81	74	69	64	69	65	61	66	62	59	63	60
3	74	65	58	53	60	55	51	58	53	50	55	51
4	67	57	50	45	54	48	43	51	46	42	49	45
5	61	51	43	38	47	41	37	45	40	36	43	39
6	56	45	37	32	42	35	31	40	34	30	38	33
7	51	39	31	26	36	30	25	35	29	25	33	28
8	46	35	27	22	33	26	22	31	26	21	30	25
9	43	31	24	19	29	23	18	28	22	18	27	22
10	39	28	21	16	26	20	16	25	19	16	24	19

CAN. PWR. DISTRIBUTION		
Deg.	CP	Lumens
0	4640	
5	4630	442
15	4740	1345
25	5130	2352
35	5410	3423
45	6340	4866
55	5330	4719
65	2340	2428
75	1330	1394
85	600	676
90	400	
95	350	371
105	260	275
115	260	243
125	140	122
135	30	24
145	0	0
155	0	0
165	0	0
175	0	0
180	0	0