

# High Bay Multi-Bay 17" Series

## ORDERING INFORMATION

Catalog Number: Example: MBH17400MAJ-1

<b>MBH</b>					
<b>FIXTURE</b>	<b>REFLECTOR SIZE</b>	<b>WATTAGE</b>	<b>LAMP SOURCE</b>	<b>OPTIONS</b>	<b>VOLTAGE</b>
<b>MBH-</b> Open High Bay <b>MBE-</b> Enclosed High Bay <b>MBS-</b> Enclosed unit without dustcover	17-17"	150-150W 175-175W 200-200W 250-250W 320-320W 350-350W 400-400W 450-450W	<b>MA-</b> Metal Halide (HPF-CWA)* <b>LX-</b> High Pressure Sodium (HPF-CWA) <b>LR-</b> Linear Reactor pulse start Metal Halide 277V only* <b>PMA-</b> Super constant wattage auto regulated pulse start Metal Halide*	<b>A-</b> Hot/Cold start <b>B-</b> Hot/Cold start <b>C-</b> Switch-on auxiliary <b>D-</b> Switch-on auxiliary <b>F-</b> Fusing <b>G-</b> Fusing <b>J-</b> Wiring <b>K-</b> Wiring <b>Z-</b> Bi-Level <b>OR-</b> Open rated	1-120V 2-208V 3-240V 4-277V 5-480V 8-120V 208V 240V 277V

\*Requires open-rated lamp or enclosed optics.

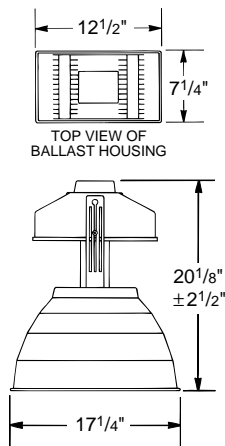


## PRODUCT SPECIFICATIONS

- High Bay fixtures are ideal for indoor applications where ceiling mounting heights exceed 15 feet. Typical applications include warehouse facilities, assembly areas, gyms, hangars, transportation garages, loading and staging areas.
- Universal light-weight, easy to handle die-cast aluminum ballast housing finished in Duraplex II gray polyester powder.
- Unique ballast housing design permits full flow-through ventilation for maximum cooling of all components.
- Heavy-gauge diffuse anodized aluminum reflector locks on adjustable straps for field adjustment of optics from wide to narrow distribution.
- Enclosed units use a formed dust cap to protect lamp and reflector from dust and grime.
- Enclosed units contain a clear heat-tempered glass lens retained by stainless steel spring clamps and safety cable.
- Rugged die-cast mounting plate tapped 3/4"-14 NPS, accepts 3/4" pipe or 714S, 715NEW, and 725S hooks.
- Unit slips onto mounting plate leaving both hands free for wiring.

## TECHNICAL INFORMATION

Multi-Bay High Bays use mogul base clear lamps. Lamps available but not supplied with fixture. High Pressure Sodium 150W units use E23-1/2 or BT25, 250W and 400W units use E18. Metal Halide 175W units use E28 or BT28, 250W and 400W units use E37 or BT37. 400W MH may also use E18. For open air applications only up to 55° Celsius ambient.



## OPTION DETAILS

- A-**Hot and cold start auxiliary external 150W medium base PAR lampholder, used until HID lamp reaches 70% of brightness.
- B-**Hot and cold start auxiliary interior 250W Bayonet base, used until HID lamp reaches 70% of brightness.
- C-**Switch-on auxiliary external 150W medium base PAR lampholder operating from secondary 120V source when HID circuit is "knocked out" by momentary voltage drop.
- D-**Switch-on auxiliary interior 150W DC Bayonet base, operating from secondary 120V source when HID circuit is "knocked out" by momentary voltage drop.
- F-**Heavy duty fuse in external holder for 120V, 277V, single
- G-**Heavy duty fuse in external holder for 208V, 240V, 480V, double
- J-**3' 3-conductor approved cable (16-3) with 15 amp Twist plug with proper NEMA configuration, includes open-loop hook.
- K-**3' 3-conductor approved cable (16-3) with 20 amp Twist plug with proper NEMA configuration, includes open-loop hook.
- Z-**Bi-Level high/low switching of HID lamps for maximum energy savings.

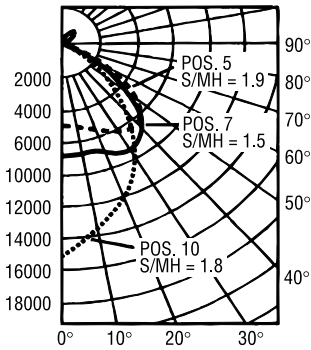
Accessories - See page 4-A



UL Damp Location Listed.  
UL File Number: E86021

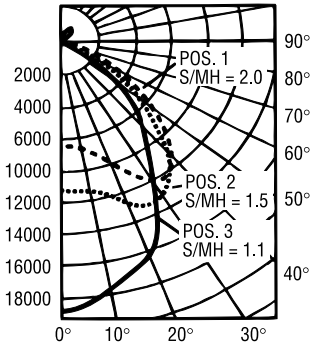
## PHOTOMETRICS

See page 4-C for complete CU tables



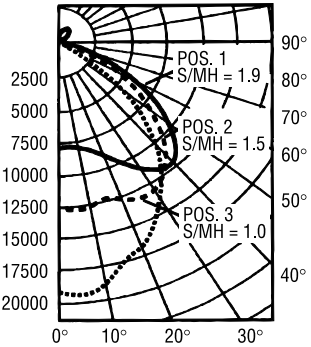
**MBH17400MA**  
 Lamp: 400W Metal Halide, Clear  
 Lumens: 34,000  
 I.T.L. Report #'s 26376, 26377,  
 26378

CANDLEPOWER DISTRIBUTION						
Deg.	Reflect. Post. #5		Reflect. Pos. #7		Reflect. Pos. #10	
	CP	Lumens	CP	Lumens	CP	Lumens
0	6757	162	9340		16240	390
5	6751	485	9280		16060	1130
15	7306	1275	9820		15010	2400
25	9510	2560	11400		12590	2940
35	10247	3379	10160		8450	2520
45	8378	3055	7350		5660	2090
55	5209	1607	3480		1480	500
65	1122	441	840		500	190
75	287	103	210		150	60
85	42	12	40		40	20
90	12	13	10		30	20
95	53	51	70		130	140
105	153	65	210		320	140
115	69	27	110		160	60
125	30	13	50		110	50
135	52	22	80		590	380
145	280	123	990		1650	350
155	532	65	480		600	80
165	51	6	60		70	10
175	0	0	0		0	0
180	0	0	0		0	0



**MBH17250LX**  
 Lamp: 250W H.P. Sodium, Clear  
 Lumens: 30,000  
 I.T.L. Report #'s 26614, 26615,  
 26616

CANDLEPOWER DISTRIBUTION						
Deg.	Reflect. Post. #1		Reflect. Pos. #2		Reflect. Pos. #3	
	CP	Lumens	CP	Lumens	CP	Lumens
0	5120	120	7980	190	12270	300
5	5090	370	7890	560	12220	830
15	5970	1060	8400	1430	10930	1770
25	7760	2060	9150	2320	9840	2400
35	8340	2720	8340	2610	7810	2400
45	7110	2660	6160	2260	5390	1980
55	4430	1570	2980	940	2000	540
65	950	340	630	230	460	180
75	220	90	170	60	140	60
85	40	20	50	20	40	20
90	30	20	30	20	30	20
95	40	30	70	60	80	70
105	90	50	120	60	170	80
115	60	20	70	30	100	40
125	40	20	50	200	140	120
135	40	30	310	180	780	350
145	370	140	590	200	880	230
155	160	60	180	50	190	70
165	60	10	70	10	80	10
175	0	0	0	0	0	0
180	0	0	0	0	0	0



**MBH17400LX**  
 Lamp: 400W H.P. Sodium, Clear  
 Lumens: 50,000  
 I.T.L. Report #'s 26367, 26368,  
 26398

CANDLEPOWER DISTRIBUTION						
Deg.	Reflect. Post. #1		Reflect. Pos. #2		Reflect. Pos. #3	
	CP	Lumens	CP	Lumens	CP	Lumens
0	10000	240	14520	350	22390	530
5	9990	720	14480	1030	21430	1470
15	11180	1940	14580	2420	18240	2930
25	13540	3520	14910	3750	16350	4000
35	13950	4590	14000	4500	13610	4250
45	12540	4780	11420	4230	10010	3870
55	8380	3110	6200	2150	4520	1400
65	2520	770	1420	500	930	350
75	510	190	350	130	260	100
85	100	40	80	30	50	20
90	50	30	40	30	20	10
95	80	60	100	90	90	100
105	180	90	230	100	280	130
115	130	50	130	60	150	60
125	70	30	90	80	510	320
135	200	140	840	400	1410	600
145	590	210	910	300	1330	360
155	540	100	570	110	590	120
165	80	10	80	10	80	10
175	0	0	0	0	0	0
180	0	0	0	0	0	0

## SUGGESTED SPECIFICATIONS

Fixture shall be indoor heavy-duty luminaire, HID fixtures shall include integral constant wattage high power factor autotransformer ballast (specify voltage, wattage, source) securely clamped in die-cast aluminum housing. Capacitors are nested within integral "outboard" pods. Vented "air-flow" construction isolates heat-sensitive capacitors from heat-generating core.

Fixture shall be equipped with deluxe glazed porcelain socket with nickel plated

vibration proof "lamp-grip" socket and spring-loaded center contact. Socket in H.P. Sodium units shall be pulse-rated at 4KV.

Fixture shall be supplied with 17" rigid heavy-gauge diffuse anodized aluminum reflector for use with clear lamps. Reflector locks on adjustable straps slotted with cast-in numbered positions for field-choice of proper reflector position for maximum lighting efficiency. Reflector positioning is labeled to outside of reflector.

Enclosed fixtures shall be supplied with

formed aluminum dust cap adjusts for varying reflector positions and protects lamp and reflector from dust and grime. Redirects up-light downward. Clear heat-tempered glass lens (enclosed units) cushioned in gasketed frame. Retained by stainless spring-clamps and safety bead-chain. (Specify optional features desired.)

Fixtures shall be UL-listed as "suitable for damp locations".

Fixture shall be Stonco Cat. No. (specify) with reflector set in position no. (specify).