

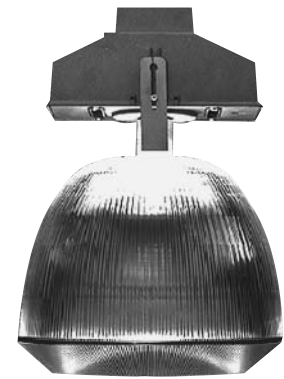
# Glo/Prism Bay Multi-Bay 16" Series

## ORDERING INFORMATION

Catalog Number: Example: MBG16400MAA-4

<b>MBG</b>					
<b>FIXTURE</b>	<b>REFLECTOR SIZE</b>	<b>WATTAGE</b>	<b>LAMP SOURCE</b>	<b>OPTIONS</b>	<b>VOLTAGE</b>
<b>MBG-</b> Open Glo Bay  <b>MBP-</b> Enclosed Prism Bay**  <b>MBC-</b> Enclosed conical refractor	16-16"	150-150W 175-175W 200-200W 250-250W 320-320W 350-350W*** 400-400W***	<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>C-</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.  
 \*\*250W maximum.  
 \*\*\*Can not be enclosed. Use open rated lamps only.

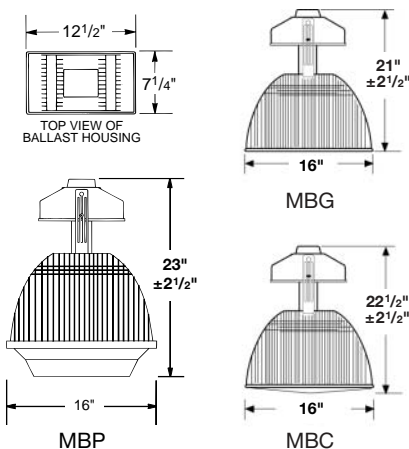


## PRODUCT SPECIFICATIONS

- Glo/Prism Bay fixtures are typically used in aisles, corridors, warehouses and stockrooms, providing high vertical illumination.
- Universal light-weight, easy to handle die-cast aluminum ballast housing finned for maximum heat dissipation, finished in Duraplex II gray polyester powder.
- Ballast assembly clamped in die-cast aluminum housing permits full flow-through ventilation for maximum cooling of all components.
- Capacitors are nested within integral "outboard" pods, vented "air-flow" construction isolates heat-sensitive capacitors from heat-generating core.
- Injection molded high impact UV stabilized acrylic reflector/refractor provides high vertical footcandle yielding high spacing ratio.
- Unique ballast housing design includes integral roomy splice box with cover and quick mounting plate.
- Rugged die-cast 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.
- Deluxe glazed porcelain lamp socket pulse-rated for 4KV.
- For use in open air ambient.

## TECHNICAL INFORMATION

Multi-Bay Glo/Prism Bays use mogul base lamps. Lamps available but not supplied with fixture. High Pressure Sodium 150W units use E23-1/2, 250W and 400W units use E18. Metal Halide 175W units use E/BT28, 250W units use E/BT28, and 400W units use E/BT37. For use in open air applications only, up to 40° Celsius ambient.



Spacing mounting height ratio: 1.9 - 2.1

## OPTION DETAILS

- A-**Hot and cold start auxiliary external 150W medium base PAR lampholder, 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.
- 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.

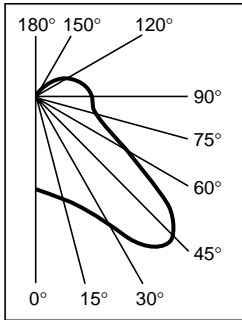
Accessories - See page 4-A



UL Wet Damp Listed.  
 UL File Number: E86021

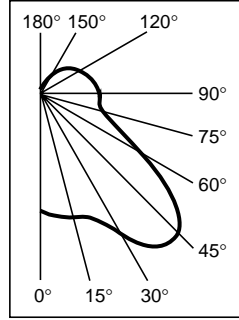
## PHOTOMETRICS

See page 4-C for complete CU tables



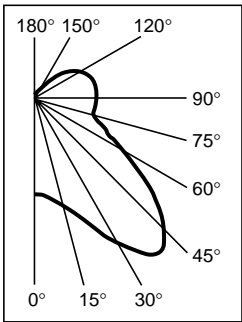
**MBG16400MA**  
 LAMP: 400W Metal Halide, Coated  
 LUMENS: 36,000  
 Report #'s ST95013  
 EFF: = 93.6%  
 S/MH = 2.1

CANDLEPOWER DISTRIBUTION	
Deg.	CP
0	3516
10	3781
20	4338
30	5710
40	7383
50	6532
60	3733
70	2565
80	2192
90	2119
100	2016
110	1767
120	1413
130	934
140	446
150	196
160	113
170	86
180	62



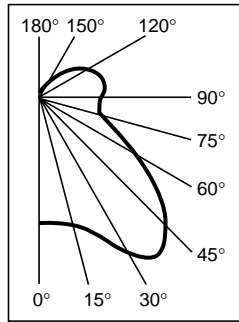
**MBG16400LX**  
 LAMP: 400W HPS, Coated  
 LUMENS: 47,500  
 Report #'s ST95015  
 EFF: = 90.2%  
 S/MH = 2.0

CANDLEPOWER DISTRIBUTION	
Deg.	CP
0	5264
10	5560
20	5811
30	7159
40	8695
50	7616
60	4832
70	3175
80	2636
90	2573
100	2469
110	2274
120	1989
130	1641
140	1141
150	626
160	198
170	107
180	98



**MBP16250MA**  
 LAMP: 250W Metal Halide, Coated  
 LUMENS: 20,500  
 Report #'s ST95044  
 EFF: = 84.9%  
 S/MH = 2.0

CANDLEPOWER DISTRIBUTION	
Deg.	CP
0	1717
10	1861
20	2219
30	3060
40	3524
50	2772
60	1775
70	1205
80	1090
90	1097
100	1124
110	1087
120	972
130	782
140	506
150	224
160	110
170	84
180	82



**MBP16250LX**  
 LAMP: 250W HPS, Coated  
 LUMENS: 26,000  
 Report #'s ST95025  
 EFF: = 89.7%  
 S/MH = 1.9

CANDLEPOWER DISTRIBUTION	
Deg.	CP
0	2891
10	2904
20	3185
30	4025
40	4406
50	3586
60	2505
70	1672
80	1404
90	1440
100	1535
110	1494
120	1317
130	1030
140	679
150	291
160	125
170	90
180	90

## SUGGESTED SPECIFICATIONS

Fixture shall be indoor, heavy-duty luminaire, HID fixture 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 HPS units shall be pulse-rated at 4KV.

Fixture shall be supplied with 16" injection molded, high impact, UV stabilized prismatic acrylic reflector/refractor provides

high vertical footcandles yielding a high spacing to mounting height ratio. Unit can be enclosed with dropped refractor up to 200 watts. (Specify optional features desired.)

Fixture shall be UL listed as "suitable for damp locations".

Fixture shall be Stonco Cat. No. (specify).