

Baymaster 1000™ High Bay Luminaires

1000 W HPS; 1000 W MH; 750 W, 1000 W, 1500 W PS-52 Incandescent.

Applications

- Ideal for aircraft hangars, machine shops, foundries and other large-area working environments.

Features

- Standard Baymaster fixtures operate in high ambient temperatures.
- High efficiency (up to 76% with 1000 W metal halide lamps) with exceptionally long lamp life makes these Baymaster fixtures unusually economical to own and operate.
- A wide range of ballasts and voltages are available for both domestic and export applications.
- Integral ballast.
- Mogul base socket with spring loaded center contact and heavy gauge, screw shell with double lamp grips to prevent lamps from loosening due to vibration.
- The Baymaster reflector is a unique design that combines high efficiency with low glare in a compact size.
- Reflector installs and adjusts to wide or medium distribution (without tools) by repositioning spring locks.
- Installation is quick and easy:
 - (1) lift ballast assembly onto the hanger hub and rotate 60° until seated on hub
 - (2) tighten locking nut (hand tight) to secure ballast assembly
 - (3) make supply connections (194 °F/90 °C wire) and replace wiring cover
 - (4) snap reflector in place
 - (5) install lamp
- Open-top reflector design keeps reflector clean because of thermal barrier and chimney effect, and provides up-light to relieve contrast.

Standard Materials

- Ballast: finned, aluminum
- Sockets: porcelain, nickel plated center contact
- Screws: brass
- Reflectors: aluminum
- Locks: stainless steel

Standard Finishes

- Ballast: corrosion polyester
- Sockets: nickel plated center contact
- Screws: nickel plated
- Reflectors: natural finish

Options

- Units are available with a pre-wired sensor circuit for automatically lighting an auxiliary safety lamp in case a power dip or lamp failure extinguishes the HID lamp.

Certifications and Compliances

- UL Listed: E109438
- UL Standard: 1598 (supersedes UL Standard 1572)
- CSA Certified: LR9349

Related Products

- For power hook, fusing and other suspension accessories, see *Fixture Hanger Accessories* page.

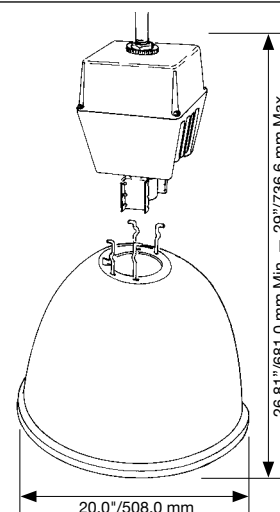


Complete Fixture



Ballast Housing Assembly

Dimensions



Standard Baymaster 1000 fixtures operate efficiently in high 131 °F/55 °C ambient temperatures.

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LIGHTING: GENERAL LIGHTING — AREA — HIGH BAY

Lighting

Pendant Mounting (3/4")

Lamp Type	Voltage	Catalog Number	
		Complete Assembly ②	Ballast Housing Assembly
For High Pressure Sodium Lamps — Complete with ballast			
1000 W HPS	120/208/240/277 V	G-HB81AL-MT	G-HB811L-MT
1000 W HPS	120/277/347 V	G-HB81AL-TT v1③	G-HB811L-TT v1③
1000 W HPS	480 V	G-HB81AL-48	G-HB811L-48
For Metal Halide Lamps — Complete with ballast			
1000 W MH ①	120/208/240/277 V	G-HB81AH-MT	G-HB811H-MT
1000 W MH ①	120/277/347 V	G-HB81AH-TT v1③	G-HB811H-TT v1③
1000 W MH ①	480 V	G-HB81AH-48	G-HB81A1H-48
For Incandescent Lamps or HID Lamps — Ballast Remote — Ballast not included			
750 W, 1000 W or 1500 W PS-52 Incandescent		G-H81AM-RB	G-H811M-RB
1000 W High Pressure Sodium		G-H81AL-RB	G-H811L-RB
1000 W Metal Halide		G-H81AH-RB	G-H811H-RB

Electrical Specifications

Line Volts	High Pressure Sodium — C.W.A. ④ Ballast Amps — 1000 W			Metal Halide — C.W.A. ④ Ballast Amps — 1000 W		
	Start	Oper.	Total Watts	Start	Oper.	Total Watts
120	6.35	9.50	1100	8.00	9.20	1080
208	3.80	5.50	1100	4.60	5.30	1080
240	3.20	4.80	1100	4.00	4.60	1080
277	2.75	4.20	1100	3.50	4.00	1080
347	2.80	3.00	1100	2.00	3.20	1080
480	1.80	2.45	1100	2.00	2.30	1080

Luminaire Performance

Distribution ⑤	Effic.	1000 W	
			S./M.H. ⑥
High Pressure Sodium			
Medium	71.3%		7:1
Wide	74.4%		1.4:1
Metal Halide			
Medium	76.2%		1.1:1
Wide	75.4%		2.5:1

① 1000 W MH Lamps: some manufacturers recommend that their lamps be operated in enclosed units only—select enclosing lens from list of accessories. Contact your electrical lamp distributor or lamp manufacturer for the latest safety information.

② Add suffix **-E** to catalog number if provision for quartz emergency lamp is desired (lamp not included). Furnished with socket installed and pre-wired.

③ Supplied complete with C.W.A. Ballast. For 208, 240, 480 or 600 V C.W.I. applications, change the **-TT** suffix to **-C2**, **-C3**, **-C6** or **-C7** as required. v1

④ C.W.A. is Constant Wattage Autotransformer.

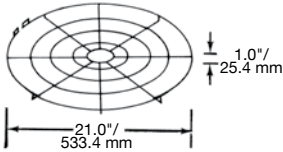
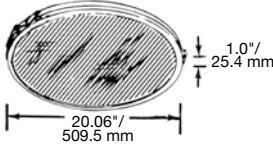
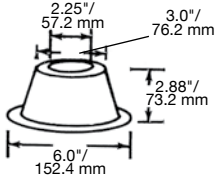
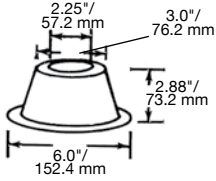

⑤ Reflector adjusts for Medium to Wide distribution without tools.

⑥ S./M.H.: Spacing to Mounting Height.

v1 CSA Certification only.

Baymaster 1000™ High Bay Luminaires Accessories and Replacement Parts

1000 W HPS; 1000 W MH; 750 W, 1000 W, 1500 W PS-52 Incandescent.

	Description	Catalog Number ❶
Wire Guard 	Zinc plated.	G-HB-20-NG
Hinged Lens — Complete with Socket Shroud 	Thermal shock and impact resistant, clear glass lens.	G-HB-20-NL
	Thermal shock and impact resistant, Corning-73 lens.	G-HB-20-NL3
Socket Shroud 	Aluminum (closes off reflector).	G-HB7000-SS
Safety Cable (not shown)		G-HB7000-SC
Reflector 	Reflector only.	G-8AW
Wiring Kit (not shown)	Supplied with 3 feet of 16/3 SOOW cable and FHHM-75SS cast safety hook	PWK ❷

LIGHTING: GENERAL LIGHTING — AREA — HIGH BAY

Lighting

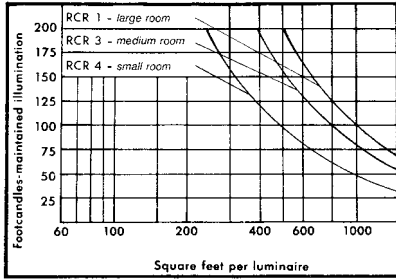
❶ Other accessories available for 20"/508 mm 1000 W Baymasters include emergency lighting circuits, unit fuses, and special hanger hardware. Contact your local sales representative.

Baymaster 1000™ High Bay Luminaires

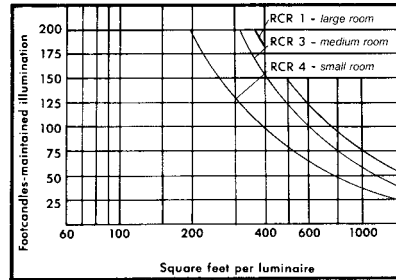
Quick Estimate Illumination Charts *

1000 W HPS; 1000 W MH; 750 W, 1000 W, 1500 W PS-52 Incandescent.

1000 Watt High Pressure Sodium



1000 Watt Metal Halide



How to use Quick-Estimate Illumination Chart

1. Refer to "Quick-Estimate Illumination Chart" for the lamp type and wattage to be used.
2. Determine "room size" of area to be lighted. "Small Room" is 2500 Sq. Ft. or less. "Medium Room" is 2500 Sq. Ft./232.3 Sq. M. thru 10,000 Sq. Ft./929.0 Sq. M. A "Large Room" is 10,000 Sq. Ft./929.0 Sq. M. or more.
3. Find level of light (footcandles) required in vertical column of figures at left of chart. Then follow horizontal line (real or interpolated) to right until it intersects with "Arc" of selected "room size." Come directly down from point of intersection to horizontal line of number "Square Feet Per Luminaire." The resulting number (real or interpolated) is the "number of square feet" one Appleton Baymaster will illuminate to the selected average maintained footcandle level when mounted in conjunction with other units in the high bay installation.
4. Divide number of total square feet in project by "number of square feet per luminaire" to get number of units required.
5. Take square root of resulting "number of square feet per luminaire" number to determine spacing between units.

* Photometric charts available on request.