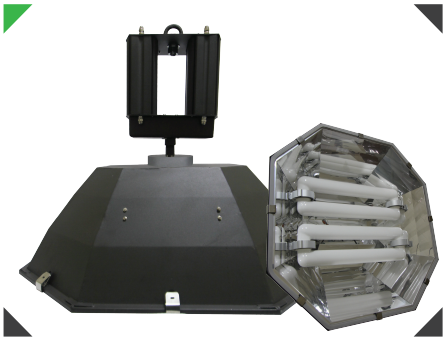
HB10

INDUCTION
HIGH PERFORMANCE HIGH BAY LIGHTING

American Green Technology

REV: OCT / 27 / 2014

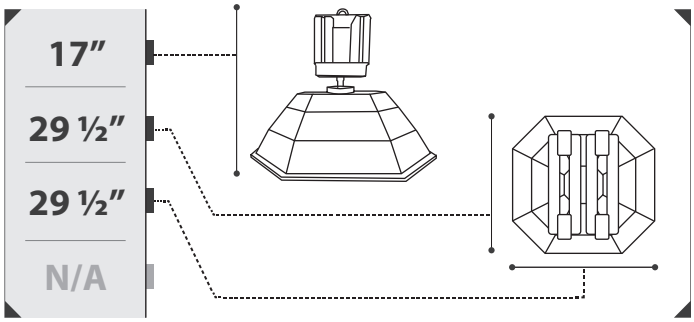


OVERVIEW

AGT's high wattage HB10 high-bay series is especially designed for industrial applications that range above 30 feet. The high performance, 400, 500, or 600 watt dual lamp system provides an ideal solution for 1000 watt HID replacements. The polished aluminum reflector is vacuum coated to retain its reflectivity. The exceptional performance of the HB10, provides maximum lumen output which allows for a broad light distribution, including a high light level on the ground. The HB10 has a rugged powder coated surface that meets corrosion proof grade WF2, the best corrosion rating for a lighting fixture.

The externally mounted generator is located in separate compartment ensuring ease of service. The fixture is IP65 Rated and the reflector and lamp compartment IP53 Rated. The induction lamp provides outstanding lumen maintenance and a rated lamp life of 100,000 hours.

Dimensions	**17**" Tall, **29** ½" Wide, **29** ½" Deep
IP Rating	**65** (Generator), **54** (Housing)
Wattages	300-600W
Voltage	120-277V; 347V; 480V
Mounting System	Hook (Supplied) ½" Hole for Pendant
Housing	Aluminum
Lens	None (Optional Lenses Available)
Reflector	Highly Polished Aluminum



PROJECT | TYPE

PRODUCT	WATTAGE [1]	VOLTAGE	KELVIN	MOUNT	ASSEMBLED	LENS	CORD	PLUG [5]	WIREGUARD	SURGE	FUSE	SENSORS
HB10 •					A							
	300 **400** **500** **600** **400 DIM** [2] **500 DIM** [2]	**UNV**-120 to 277V [3] **3**-347V **4**-480V	**5K**-5000 **27K**-Custom 2700 **35K**-Custom 3500 **41K**-Custom 4100 **65K**-Custom 6500	**N**-None **H**-Hook	**A**-Assembled	**AL**- Acrylic Lens	**N**-None **C3**-3 Wire cord - 3 feet Long **Cx**-Custom 3 wire cord **x** feet long **CD3**-5 Wire cord - 3 feet long [4] **CDx**-Custom 5 wire cord **x** feet long [4]	**N**-None **515** **L715** **L720** **L820** **S**-S2348DF	**N**-None **WG**	**N**-None **SP**	**N**-None **F-15A**	**N**-None **MS**-Motion Sensor **DS**-Dimming Sensor

NOTE: All fields must be completed.
NOTE: All AGT highbays come equipped with 6 foot safety cables.
NOTE: Refer to separate Sensors Reference Sheet for in-depth controls information.

[1] Wattages listed are standard. Other wattages may be available upon request
[2] If step dimming is required add "**DIM**" to the wattage. DIM generator can be operated with a 0-10V DC controller.
[3] Universal generator can also accept direct feed 250V DC. Please contact Sales for more information.
[4] 5-wire cord is optional for dimming systems. Refer to separate Sensors Reference Sheet for more information.
[5] Refer to separate Plugs Reference Sheet for more information on NEMA and other plug configurations. Plugs not listed can be ordered upon request.

APPROVALS

10 Year Limited Warranty
UL cUL 1598 Standards
ETL CUS Listed

IP65 IP54

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HB10 Continued

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LAMP FEATURES

- High quality phosphor coating for superior lumen maintenance
- High lighting efficacy, instant on, instant restrict, solid amalgam, and stable color over long life
- Excellent vibration and shock resistance with unlimited switching

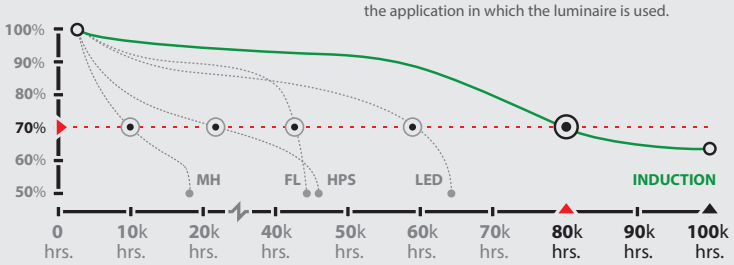
LAMP SPECIFICATIONS

Rated Lamp Life
100,000 hrs.

Lumen Maintenance
Minimum 70% @ 80,000 hrs.

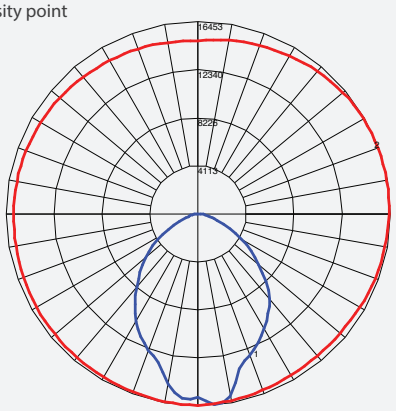
Kelvin
2,700 - 6,500 k

* The below chart compares general depreciation trends of different lighting technologies under similar conditions. Actual depreciation may vary and is dependent upon a number of environmental factors, the manufacturer and the application in which the luminaire is used.



POLAR CURVE - 500W

Vertical and horizontal planes through the 16453 Cd. maximum intensity point



* This photometric chart shows the characteristic lighting distribution of this luminaire. Please refer to the specific IES file for more detailed information.

SOLID STATE GENERATOR SPECS

Input Voltage	120 - 277V, 250V DC Universal (UNV), 347V, 480V
Power Factor	> .96
THD	< 10%
Standard Voltage	120 - 277 (Volts AC)
Minimum Input Voltage	100 / 312 / 432 (Voltas AC)
Maximum Input Voltage	305 / 382 / 528 (Volts AC)
Minimum Input Frequency	47 (Hertz)
Maximum Input Frequency	63 (Hertz)
Inrush Current	< 60 (Amperes)
Minimum Output Frequency	210 (KiloHertz)
Nominal Output Frequency	240 (KiloHertz)
Maximum Output Frequency	270 (KiloHertz)
RoHS 5 Compliance	Yes
Protection - No Load	Yes
Protection - Load Short	Yes
Protection - Lamp Removed	Yes

Cold Temperature Start	(Ta) -25 (Standard), -40 (Upon Request)
Max Case Temperature	(Tc) 160F
Isolation Resistance - Hot State	< 200 Megaohms
Isolation Resistance - Cold State	500 Megaohms
Isolation Voltage	2,000 Vac (S 10ma) 10s
Ignition Voltage	2,700 +/- 200Vpp
Differential Mode	+/- 1kV
Cooling	Natural
Generator	UL935, CAN/CSA-C22.2 No. 74-96,IEC(EN)61347-1, EN61347-2-3, GB19510.4, GB19510.1
Harmonic Current	ANSI C82.11,IEC(EN)61000-3-2, GB17625
Electromagnetic Emission	FCC CFR part18/EN55015/CISPR15/GB17743
ESD	IEC 61000-4-2 Level3
Electromagnetic Compatibility Immunity	IEC61547/EN61547, EN61000-3-3,EN61000-4-5, GB17743
Entire Luminaire	UL1598, CSA-C22.2 No. 250.0-08
IP Rating & Safety	IEC(EN)60598,IEC60529,GB7000,GB4208

WATTAGES	TOTAL LOAD [1]	VEL [2]	INITIAL LUMENS	LUMEN RANGE [3]	LAMP (LM/W)	CRI	HID REPLACEMENT
300 W	315 W	49,980	25,500	24000 - 25500	85	> 80	400 / 600 W
400 W	420 W	66,640	34,000	32500 - 34000	85	> 80	800 / 875 W
500 W	525 W	83,300	42,500	40000 - 42500	85	> 80	800 / 1000 W
600 W	630 W	99,960	51,000	48000 - 51000	85	> 80	1000 W

[1] Total load equals the maximum wattage used by both the lamp and the generator
[2] Visually Effective Lumens factor of 1.96
[3] Lumen Range is based upon generator wattage that is supplied to the lamp. See IES file for more details