

HBR-G2 Series

LED Round High Bay

PROJECT NAME:	
DATE:	
CATALOG #:	
NOTES:	

Product Highlights

- ▶ Compatible with Jarvis Link networked lighting control systems
- ▶ Z10 ready
- ▶ 0-10V dim-to-off + 12V auxiliary power for accessories
- ▶ 140 lm/W efficacy
- ▶ 10 Year Warranty



Ordering Guide

Example: HBR-G2-13ML20-30K/35K/40K/50K-90-WHT-Z10R



PRODUCT FAMILY	LUMEN OUTPUT / WATTAGE	CCT	BEAM ANGLE	HOUSING COLOR	DIMMING/CONTROL
HBR-G2 - UFO Highbay	13ML20 - (Selectable) 13,000 lm / 80W 15,400 lm / 110W 20,000 lm / 150W 23ML30 - (Selectable) 23,000 lm / 165W 26,600 lm / 190W 30,800 lm / 220W	30K/35K/40K/50K - 3000K / 3500K / 4000K / 5000K Adjustable CCT	90 - 90° beam angle	WHT - White BLK - Black	Z10R - Z10 receptacle

Additional Field Installed Options and Accessories

FIXTURE ACCESSORIES	
CATALOG #	DESCRIPTION
JL-Z10-SPM-INT/EXT-[BLK/WHT]-[XX]	Jarvis Link Z10 Interior Bluetooth PIR Motion Sensor + Photocell (White or Black Color) - 40ft Max Mounting Height*
JL-Z10-WCM-[WHT/BLK]-[XX]	Jarvis Link Z10 Bluetooth Wireless Control Module (White or Black Color)*
JL-Z10-WCM-CLE-LR-[XX]	Jarvis Link Z10 Bluetooth Wireless Control Module w/ Long Range Antenna (Clear Color)*
S-Z10-SPM-EXT-WHT-V1	Remote Programmable PIR Z10 Motion Sensor + Photocell (White Color) - 40ft Max Mounting Height
A315-Z10-V1	Programming Remote for PhotoMotion Z10 Sensor
*Jarvis Link requires prior training with Jarvis representative	

Electrical

- ▶ Input Voltage: 120-277V 50/60Hz
- ▶ Power Factor: >0.9 at full load
- ▶ Total Harmonic Distortion: <20 at full load
- ▶ Operating Temperature: -20°C to 45°C (-4°F to 113°F)
- ▶ 4kV surge protection

Controls and Dimming

- ▶ 0-10V dimming leads are default on all 120-277V input models and accessible outside the fixture body with a 2ft cable.
- ▶ The power supply is capable of providing 12VDC auxiliary output power for a variety of accessories.
- ▶ The HBR-G2 Z10R models feature a dim-to-off driver and a Z10 receptacle. They are compatible with Jarvis Lighting networked lighting control system. This system allows the lights to communicate with each other via Bluetooth® signal. Systems are typically capable of grouping, controlling, and dimming lights through a number of methods including motion sensors, photo sensors, schedules, manual Bluetooth switches, and more.
- ▶ The HBR-G2 Series is compatible with many other photosensors and motion sensor systems. Contact a Jarvis representative for more information.

Luminaire Data

JARVIS CATALOG #	DLC PRODUCT ID	INPUT	POWER	LUMENS	CCT	CRI	PF
HBR-G2-13ML20-30K/35K/40K/50K-90-WHT-Z10R	S-6QC00F	120-277V 50/60Hz	80W / 110W / 150W	13,000 lm / 15,400 lm / 20,000 lm	3000K / 3500K / 4000K / 5000K	> 80	> 0.9
HBR-G2-23ML30-30K/35K/40K/50K-90-WHT-Z10R	S-J1MHVR	120-277V 50/60Hz	165W / 190W / 220W	23,100 lm / 26,600 lm / 30,600 lm	3000K / 3500K / 4000K / 5000K	> 80	> 0.9

Factory default setting listed in bold
DLC product ID represents the reported maximum wattage and cct setting which are factory default. Contact factory for more information.

Electrical Load Table

ITEM #	WATTAGE	CURRENT (A)			
		120V	208V	240V	277V
HBR-G2-13ML20-30K/35K/40K/50K-90-WHT-Z10R	80W	0.67	0.38	0.33	0.29
	110W	0.92	0.53	0.46	0.40
	150W	1.25	0.72	0.63	0.54
HBR-G2-23ML30-30K/35K/40K/50K-90-WHT-Z10R	165W	1.38	0.79	0.69	0.60
	190W	1.58	0.91	0.79	0.69
	220W	1.83	1.06	0.92	0.79

Lumen Maintenance

PROJECTED LUMEN MAINTENANCE					
OPERATING HOURS	0	25,000	50,000	75,000	100,000
LUMEN MAINTENANCE FACTOR	1	0.95	0.9	0.86	0.82

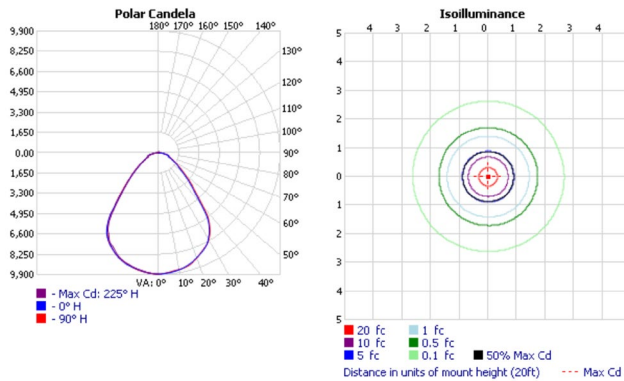
* Projected LM values based on extrapolated LM-80 performance data testing and TM-21 calculations

Photometrics

Photometric information, including LM-79 reports and .IES files are available for most models at www.jarvislighting.com. Site photometrics and lighting layouts are available. Contact a Jarvis representative.

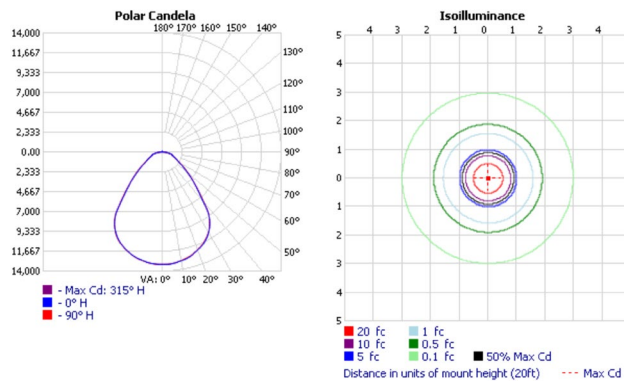
Zonal Lumens Summary

HBR-G2-13ML20 (150W)



HBR-G2-13ML20 (150W)		
ZONE	LUMENS	% LUMINAIRE
LOW (0-30°)	7,600.90	38.9%
MEDIUM (30-60°)	9,389.00	48.0%
HIGH (60-80°)	1,993.70	10.2%
VERY HIGH (80-90°)	310.50	1.6%
UPLIGHT (90-180°)	269.70	1.4%
TOTAL FLUX	19,563.80	100.0%

HBR-G2-23ML30 (220W)



HBR-G2-23ML30 (220W)		
ZONE	LUMENS	% LUMINAIRE
LOW (0-30°)	10,215.00	38.1%
MEDIUM (30-60°)	12,984.70	48.4%
HIGH (60-80°)	2,879.10	10.7%
VERY HIGH (80-90°)	437.00	1.6%
UPLIGHT (90-180°)	287.60	1.1%
TOTAL FLUX	26,803.40	100.0%



- ▶ The Jarvis Link system is a wireless network that allows you to control your lighting remotely. When installed in light fixtures and properly set up, it can help you manage your lighting more effectively and save energy.
- ▶ Luminaires can be controlled onsite using an iPad via the Jarvis Link app, via onsite sensors, or via onsite Bluetooth switches. All luminaires onsite are accessible via the Jarvis Link app and can be controlled through a central location. Luminaires can also be commissioned to be controlled remotely via a centralized gateway accessed through a web browser.

Construction and Materials

- ▶ Housing is constructed from stamped steel with integrated thermal management design.
- ▶ The housing features a powdercoat finish. Powdercoat finish is applied directly to housing and will not crack or peel. Default color is white. Custom colors are available. Contact the factory for additional color information.
- ▶ Lens construction is polycarbonate with glare reduction optics and a 90° beam angle.
- ▶ LEDs are reflow soldered to a metal core circuit board, providing greater thermal transfer than standard circuit board materials.
- ▶ Luminaire's construction contains zero mercury.
- ▶ Fasteners are stainless-steel and will not rust or create rust-streaks.

Regulatory and Voluntary Qualifications

- ▶ UL listed to both UL1598 and UL8750
- ▶ State of California Title 24 compliant when installed in accordance with local requirements
- ▶ DesignLightsConsortium® (DLC) Premium qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
- ▶ Rated for dry and damp locations

Installation

- ▶ Luminaire can be installed via ½" NPT pendant mount or included hook. Surface mount solutions are available, contact a Jarvis representative for more information. Luminaire features a 5' power cable. Dimming and 12V auxiliary power wires are pre-wired to the Z10 receptacle or sensor accessory for ease of installation.

Warranty and Lifetime

- ▶ HBR-G2 Series carries a 10-year limited warranty.
- ▶ Contact Jarvis representative for details
- ▶ Projected LED lifetime exceeds 100,000 hours under most operating conditions. Lifetime projections are calculated using data including LM-79, LM-80, and TM-21 calculations. Contact Jarvis representative for details.

Packaging

- ▶ HBR-G2 fixtures ship in boxes of 1 unit labeled with the product code, CCT and wattage setting, and include the fixture, mounting hardware, and installation instructions. Fixtures are secured in molded inserts to protect against movement and damage during shipping.

Product Weight

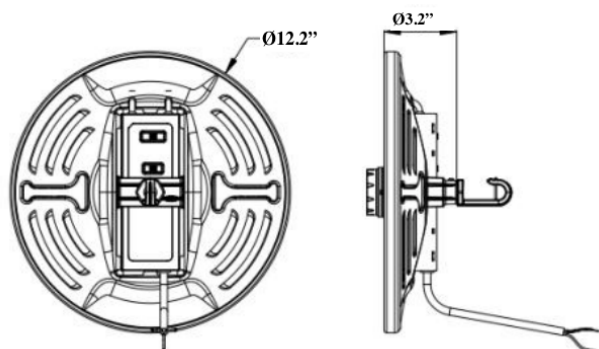
CATALOG #	WEIGHT
HBR-G2-13ML20	3.3lbs
HBR-G2-23ML30	4.4lbs

Additional Luminaire Photos



Dimensions

HBR-G2-13ML20 (150W)



HBR-G2-23ML30 (220W)

