

A51-A-G2 Series LED High Bay Luminaire



Product Highlights

- Impact resistant lens designed for maximum illumination
- Round UFO design for easy installation
- 0-10V dim-off +12v auxiliary power for accessories
- Compatible with Jarvis Link networked lighting control systems
- Z10 Ready
- 10 Year Warranty

Jarvis A51-A-G2 Series

Cooler operating temperatures because of unique heat-radiating fin design

Professional light distribution design with high lens pass rate ensure maximum illumination with reduced glare

Power supply is balanced on center of fixture so fixture hangs straight

Competitors' Products

Not designed for improved thermal operating temperature reduces fixture lifetime

Poor optics produce a high level of unwanted glare

Power supply is not centered, so fixtures need to be balanced to hang straight

Ordering Guide *Example: A51-A-G2-15ML22-40K/50K-110-DTO-Z10R*

Product Family	Lumen Output / Wattage	CCT	Beam Angle	Dimming Capability	Control
A51-A-G2	15ML22 - 15,000 lm / 100 W <i>(Selectable)</i> 18,882 lm / 125 W 22,372 lm / 150 W	40K/50K - 4000K / 5000K Selectable CCT	110 - 110° beam angle	DTO - 0-10V dim-to-off +12v Aux	Z10R - Z10 Receptacle Installed
	22ML36 - 22,500 lm /150 W <i>(Selectable)</i> 30,868 lm / 200 W 36,502 lm / 240 W				

Additional Field Installed Accessories:

Catalog #	Description
JL-Z10-SPM-INT-WHT	Jarvis Link Z10 Interior Bluetooth PIR Motion Sensor + Photocell (White Color) - 40ft Max Mounting Height*
JL-Z10-WCM-WHT	Jarvis Link Z10 Bluetooth Wireless Control Module (White Color)*
JL-Z10-WCM-BLK	Jarvis Link Z10 Bluetooth Wireless Control Module (Black Color)*
S-Z10-SPM-EXT-WHT-V1	Remote Programmable PIR Z10 Motion Sensor + Photocell (White Color) - 40ft Max Mounting Height
A51-A-G2-AC-BBK1	30W Battery Backup Kit for A51-A-G2 Series
A51-A-G2-AC-GLBK-15ML 22	PC Globe Reflector + Bottom Lens Accessory Kit for A51-A-G2-15ML22
A51-A-G2-AC-GLBK-22ML 36	PC Globe Reflector + Bottom Lens Accessory Kit for A51-A-G2-22ML36

* Jarvis Link System requires prior training with Jarvis representative

Electrical

Input Voltage: 120-277V 50/60Hz

Power Factor: >.9 at full load

Total Harmonic Distortion: <20% full load

Includes over voltage protection, overcurrent protection, and short circuit protection.

Operating Temperature Range: -40°C to 45° C Ambient (-40°F to 113°F)



Controls and Dimming

0-10V dimming leads are default on all 100-277V input models and accessible outside fixture body. A51-A series features a power supply capable of providing 12VDC auxiliary output power for a variety of accessories.

A51-A-G2 “DTO” models feature a dim-to-off driver and are compatible with networked lighting control systems. These systems allow 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.

All A51-A-G2 models are compatible with Jarvis Lighting’s PhotoMotion™ sensors. Both Microwave or PIR PhotoMotion™ sensors are available. PhotoMotion™ sensors provide multi-level control based on both motion and/or ambient natural lighting levels and can be custom programmed via remote control.

The A51-A-G2 Series is also compatible with many other photo sensors and motion sensor systems. Contact a Jarvis representative for more information.

DLC Product ID and Specifications:

Jarvis Model #	DLC Product ID	Input	Lumens	Wattage	CCT	CRI	PF
A51-A-G2-15ML22-40K/50K-110-DT0-Z10R	S-ZSN8BZ	120-277V 50/60Hz	15,000 lm / 18,882 lm / 22,372 lm	100 W / 125 W / 150 W	4000 K / 5000 K	≥ 80	≥ 0.9
A51-A-G2-22ML36-40K/50K-110-DT0-Z10R	S-SX0PSH	120-277V 50/60Hz	22,500 lm / 30,868 lm / 36,502 lm	150 W / 200 W / 240 W	4000K 5000 K	≥ 80	≥ 0.9

*Factory default setting listed in bold

Construction and Materials

Housing is constructed from die-cast aluminum.

Die-cast housing features a powdercoat finish. Powdercoat finish is applied directly to aluminum housing and will not crack or peel. Default color is black. Custom colors are available. Contact factory for additional color information.

Lens construction is a shatter resistant polycarbonate with a 110° beam angle.

LEDs are reflow soldered to a metal core circuit board, providing greater thermal transfer than standard circuit board materials. The LED circuit board is secured to fixture body by utilizing both stainless steel fasteners and thermally conductive tape to further increase thermal transfer and improve performance.

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 UL1598 and UL8750 for both US and Canada.

State of California Title 24 Compliant when installed in accordance with local requirements.

DesignLights Consortium® (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 Wet and Dry Locations.

Warranty and Lifetime

A51-A-G2 Series carries a 10-year limited warranty. Contact Jarvis representative for details.

Projected LED lifetime exceeds 50,000 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.



Installation

Luminaire can be installed via included hook or pendant mount. Luminaire features a 6' power cable. Dimming and 12v aux power wires are pre-wired to the Z10 receptacle or sensor accessory for ease of installation.

During installation the wattage and color temperature of A51-A-G2 fixtures can be changed via 2 switches located behind a knockout located along the side of the driver compartment.

When installing the Z10 compatible accessories, the receptacle cover cap must first be removed. Z10 compatible accessories must be inserted and rotated until locked into place on the receptacle.

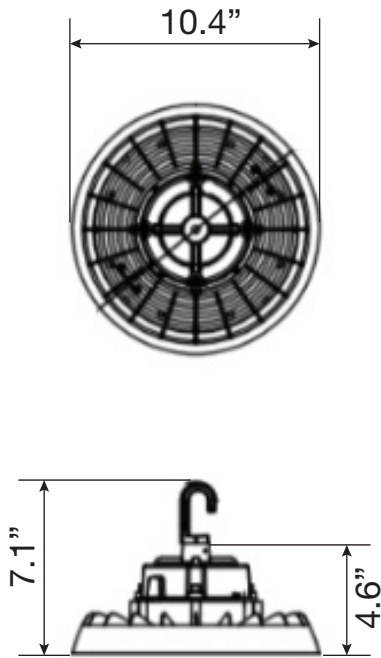
Contact a Jarvis representative for full installation instructions, videos, or additional information.

Product Weight:

Part Number	Weight
A51-A-G2-15ML22-40K/50K-110-DTO-Z10R	3.6 lbs
A51-A-G2-22ML36-40K/50K-110-DTO-Z10R	5.5 lbs

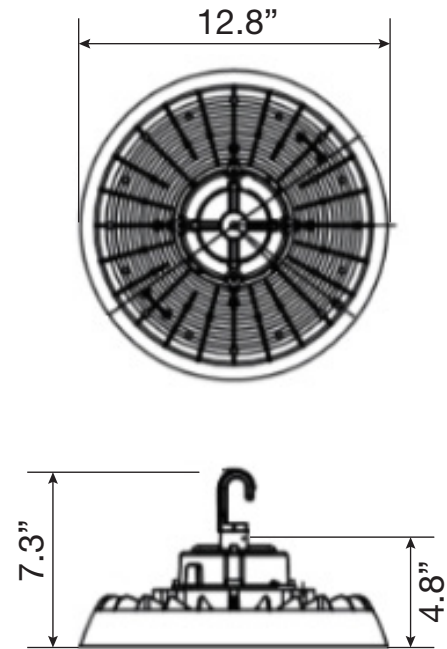
Dimensions:

A51-A-G2-15ML22-40K/50K-110-DTO-Z10R



100W / 125W / 150W

A51-A-G2-22ML36-40K/50K-110-DTO-Z10R



150W / 200W / 240W



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