

PROJECT NAME:	
DATE:	
CATALOG #:	
NOTES:	

A51-1-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



Ordering Guide

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



PRODUCT FAMILY	LUMEN OUTPUT / WATTAGE		CCT	DIMMING	CONTROL	FACTORY FIXED WATTAGE
A51-A-G2 - LED High Bay Luminaire	15ML22 (Selectable)	15,000lm / 100W 18,882lm / 125W 22,372lm / 150W	40/50K - 4000K/5000K Selectable	DTO - 0-10V dim-to-off +12V Aux	Z10R - Z10 receptacle	15L - 15,000 lm / 100W* 18L - 18,882 lm / 125W* 22L - 22,500 lm / 150W** 30L - 30,868 lm / 200W**
	22ML36 (Selectable)	22,500lm / 150W 30,868lm / 200W 36,502lm / 240W				
*Only available for 15ML22 models **Only available for 22ML36 models						

Additional Field Installed Options and Accessories

FIXTURE ACCESSORIES		
CATALOG #	CATALOG #	DESCRIPTION
Fixture Accessories	A51-A-G2-AC-BBK1	30W Battery Backup Kit for A51-A-G2 Series
	A51-A-G2-AC-BBK1	½" NPT Pendant Mount Adapter
	A51-A-G2-AC-BBK1	PC Globe Reflector + Bottom Lens Accessory Kit for A51-A-G2-15ML22
	A51-A-G2-AC-BBK1	PC Globe Reflector + Bottom Lens Accessory Kit for A51-A-G2-22ML36
Control Accessories	JL-Z10-SPM-INT/EXT-[WHT,BLK]	Jarvis Link Z10 Interior Bluetooth PIR Motion Sensor + Photocell (White or Black Color) - 40ft Max Mounting Height
	JL-Z10-WCM-[WHT,BLK]	Jarvis Link Z10 Bluetooth Wireless Control Module (White or Black Color)
	S-Z10-SPM-EXT-WHT-V1	Remote Programmable PIR Z10 Motion Sensor + Photocell (White Color - 40ft Max Mounting Height, Programmable via A315 Remote)
	A315-Z10-V1	Programmable Remote for S-Z10-SPM-EXT-WHT-V1
*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: -40°C to 40°C (-40°F to 104°F)

Electrical Load Table

ITEM #	WATTAGE	CURRENT (A)		
		120V	208V	277V
A51-A-G2-15ML22-40K/50K-110-DTO-Z10R-15L	100W	0.83	0.48	0.36
A51-A-G2-15ML22-40K/50K-110-DTO-Z10R-18L	125W	1.04	0.60	0.45
A51-A-G2-22ML36-40K/50K-110-DTO-Z10R-22L	150W	1.25	0.72	0.54
A51-A-G2-22ML36-40K/50K-110-DTO-Z10R-30L	200W	1.67	0.96	0.72

Controls and Dimming

- ▶ The A51-A-G2 Series is compatible with the Jarvis Link networked lighting control system when ordered with our Z10 sensors and wireless control modules (WCM).

- ▶ 0-10V dimming leads are default on all models and accessible inside the fixture body. The power supply is capable of providing 12VDC auxiliary output power for a variety of accessories.
- ▶ The A51-A-G2 Series is compatible with other photosensors and motion sensor systems. Contact a Jarvis representative for more information.
- ▶ The A51-A-G2 models feature a dim-to-off driver and are compatible with the 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.

Lumen Maintenance

PROJECTED LUMEN MAINTENANCE					
OPERATING HOURS	0	25,000	50,000	75,000	100,000
LUMEN MAINTENANCE FACTOR	1	0.94	0.89	0.85	0.81
* Projected LM values based on extrapolated LM-80 performance data testing and TM-21 calculations					

Luminaire Data

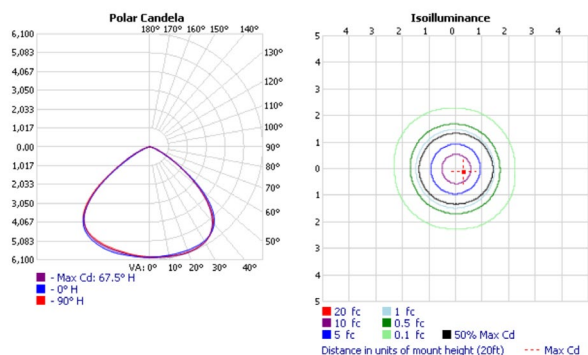
JARVIS CATALOG #	DLC PRODUCT ID	INPUT	POWER	LUMENS	CCT	CRI	PF
A51-A-G2-15ML22-40K/50K-110-DTO-Z10R-15L	S-54GWYL	120-277V 50/60Hz	100W	15,000 lm	4000K/ 5000K	≥ 80	≥ 0.9
A51-A-G2-15ML22-40K/50K-110-DTO-Z10R-18L	S-BT6KNL	120-277V 50/60Hz	125W	18,882 lm	4000K/ 5000K	≥ 80	≥ 0.9
A51-A-G2-22ML36-40K/50K-110-DTO-Z10R-22L	S-5T6DJQ	120-277V 50/60Hz	150W	22,500 lm	4000K/ 5000K	≥ 80	≥ 0.9
A51-A-G2-22ML36-40K/50K-110-DTO-Z10R-30L	S-J5DL8F	120-277V 50/60Hz	200W	30,868 lm	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.

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.

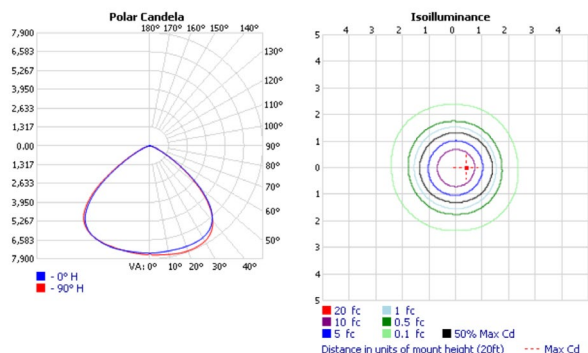
A51-A-G2-15ML22-40K/50K-110-DTO-Z10R-15L



Zonal Lumens Summary

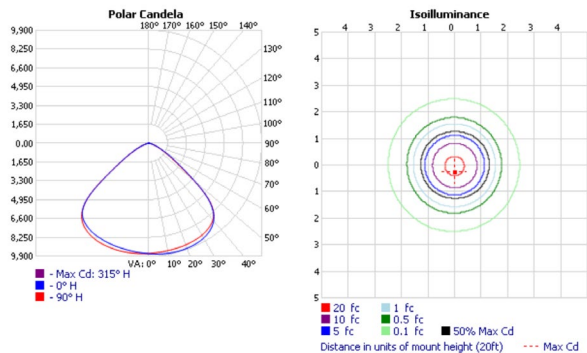
A51-A-G2-15ML22-40K/50K-110-DTO-Z10R-15L		
ZONE	LUMENS	% LUMINAIRE
LOW (0-30°)	5,007.90	31.9%
MEDIUM (30-60°)	9,501.20	60.4%
HIGH (60-80°)	1,051.00	6.7%
VERY HIGH (80-90°)	43.60	0.3%
UPLIGHT (90-180°)	118.50	0.8%
TOTAL FLUX	15,722.20	100.0%

A51-A-G2-15ML22-40K/50K-110-DTO-Z10R-18L

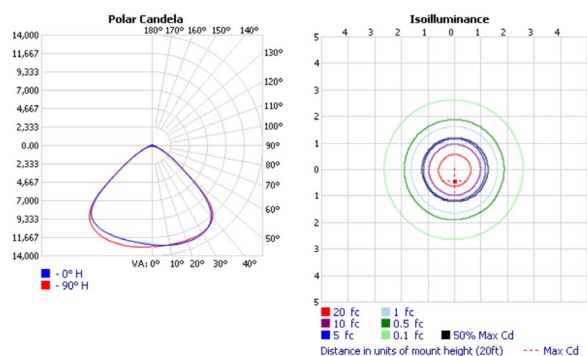


A51-A-G2-15ML22-40K/50K-110-DTO-Z10R-18L		
ZONE	LUMENS	% LUMINAIRE
LOW (0-30°)	6,335.30	32.0%
MEDIUM (30-60°)	11,953.70	60.3%
HIGH (60-80°)	1,321.50	6.7%
VERY HIGH (80-90°)	56.20	0.3%
UPLIGHT (90-180°)	149.40	0.8%
TOTAL FLUX	19,816.10	100.0%

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



A51-A-G2-15ML22-40K/50K-110-DTO-Z10R-18L



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

ZONE	LUMENS	% LUMINAIRE
LOW (0-30°)	8,084.20	32.8%
MEDIUM (30-60°)	14,848.30	60.2%
HIGH (60-80°)	1,492.30	6.0%
VERY HIGH (80-90°)	62.70	0.3%
UPLIGHT (90-180°)	185.50	0.8%
TOTAL FLUX	24,673.00	100.0%

A51-A-G2-22ML36-40K/50K-110-DTO-Z10R-30L

ZONE	LUMENS	% LUMINAIRE
LOW (0-30°)	10,715.30	33.4%
MEDIUM (30-60°)	19,123.50	59.6%
HIGH (60-80°)	1,929.00	6.0%
VERY HIGH (80-90°)	88.90	0.3%
UPLIGHT (90-180°)	242.00	0.8%
TOTAL FLUX	32,098.80	100.0%

JarvisLink



- ▶ 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 die cast aluminum
- ▶ Mounting hook is constructed from nickel-plated iron
- ▶ Lens is constructed from single piece of polycarbonate
- ▶ Fasteners are stainless steel

Regulatory and Voluntary Qualifications

- ▶ UL certified 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.
- ▶ Damp location rated

Installation

- ▶ Luminaire can be installed via included hook mount. For 1/2" NPT pendant mount applications a separately ordered adapter is available. 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.
- ▶ 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.
- ▶ For detailed installation instructions, videos, or additional information, please contact a Jarvis representative

Warranty and Lifetime

- ▶ The A51-A-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

- ▶ A51-A-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
A51-A-G2-15ML22-40K/50K-110-DTO-Z10R-15L	3.6lbs
A51-A-G2-15ML22-40K/50K-110-DTO-Z10R-18L	3.6lbs
A51-A-G2-22ML36-40K/50K-110-DTO-Z10R-22L	5.5lbs
A51-A-G2-22ML36-40K/50K-110-DTO-Z10R-30L	5.5lbs

Additional Luminaire Photos

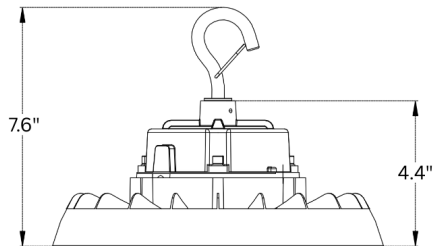
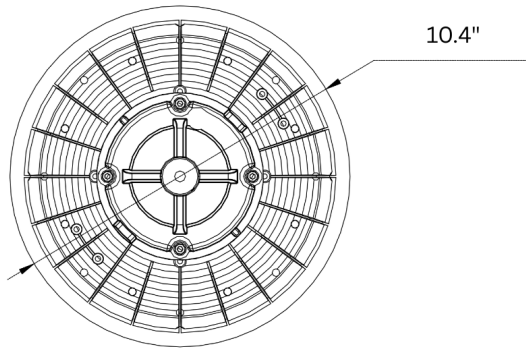


Additional Luminaire Photos



Dimensions

A51-A-G2-15ML22-40K/50K-110-DTO-Z10R-15L
A51-A-G2-15ML22-40K/50K-110-DTO-Z10R-18L



A51-A-G2-22ML36-40K/50K-110-DTO-Z10R-22L
A51-A-G2-22ML36-40K/50K-110-DTO-Z10R-30L

