

DESCRIPTION

JASPER establishes new standards in high output lighting projectors for the illumination of large-scale or expansive architectural structures. The high-wattage luminaire offers a wide selection of eleven standard distributions ranging from symmetric ultra-narrow 7° spot to ultra-wide 130°, as well as elliptical and elliptical wide beam patterns in horizontal or vertical orientations. JASPER incorporates 60 high power LEDs in a choice of RGBW or dynamic white; or static warm, neutral, or cool white to deliver an extensive palette of colors, tones, and hues. On-board controls allow users to program fixed colors or simple color sequencing for standalone operation or multiple unit synchronization in a master-satellite configuration without the need for external control systems. Luminaires may also be paired with external DMX control systems for dynamic color-changing scenes. Options include visors and snoots for added light control and 3G brackets for bridge, tunnel, or other high-vibration applications. Contact factory for custom tailored distributions with spreading diffusers. All hardware is stainless steel.



Date: _____ Type: _____ Catalog Number: _____

Project Name: _____

ORDERING INFORMATION

LUMINAIRE

MODEL	COLOR	VOLTAGE	OPTICS *	FINISH §	OPTIONS	
JA450 -	30K - 3000K	UNV - 120 - 277V	US - Ultra Spot 7°	AG Anthracite Gray	3G 3G Mounting Yoke	
	40K - 4000K		SP - Spot 12°	BL Black		
	CW - 6500K		NB - Narrow 15°	SG Griven Silver Gray		
	DW - 2700-6500K		MB - Medium 23°	WH White		
	CCW - Custom White		WB - Wide 44°	CC Custom Color		
			EW - Extra Wide 60°	§ Contact factory for marine grade finish		
			UW - Ultra Wide 130°			
			ELH - Elliptical Horizontal 40° x 14°			
			ELV -			

ACCESSORIES

JA450 - SNT
Snoot



JA450 - VSR
Visor

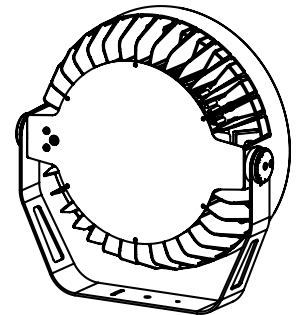
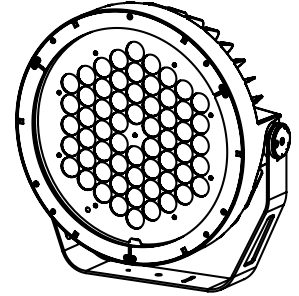
AL1321
Infrared Remote Control

* Contact factory for availability of optional spreading diffusers

IP66 / IK10 / CE / SR_{US}

PRODUCT SPECIFICATIONS

Lumen Output	20036 lumens @ 12° CW (see pg 4 for output values of all standard colors)
Efficacy	98.7 (lm/W) CW
Lumen Maintenance	100,000 hours L70 @ 25°C*
Color	DW (2700K-6500K), 30K (3000K), 40K (4000K), CW (5000K) (see pg 5 for customization options)
Optics	7°, 12°, 15°, 23°, 44°, 60°, 130°, 40° x 14°, 37° x 23°
Operating Temperature	-40° to 122° F (-40° to 50°C)
Housing	Die-cast aluminum body with powder coat
Mounting	Yoke mount with locking hinge (custom mounting upon request). Optional 3G Bracket.
Weight	39.7 lbs. (18 kg)
Certification	 
Ingress Protection	Wet location rated IP66
Impact Rating	IK10
Control	Auto Control, DMX 512 (RDM E1.20), Wireless options available
Cable Lengths	Power in: 7.87 inches / DMX in&out: 59.06 inches
Additional Features	Automatic overtemperature protection / IR Remote
EPA	2.05 ft ²



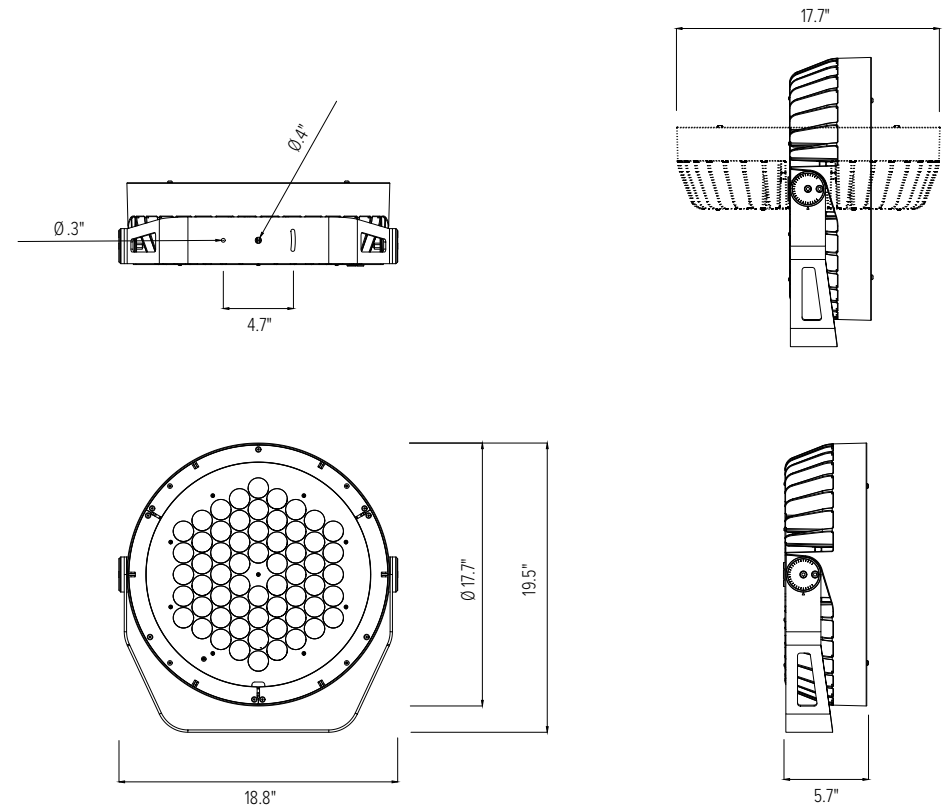
* LED life may vary under actual field conditions due to external factors. Lifetime estimates are generated from actual testing in a controlled environment. Given values are conservatively derived from those numbers.

ELECTRICAL SPECIFICATIONS

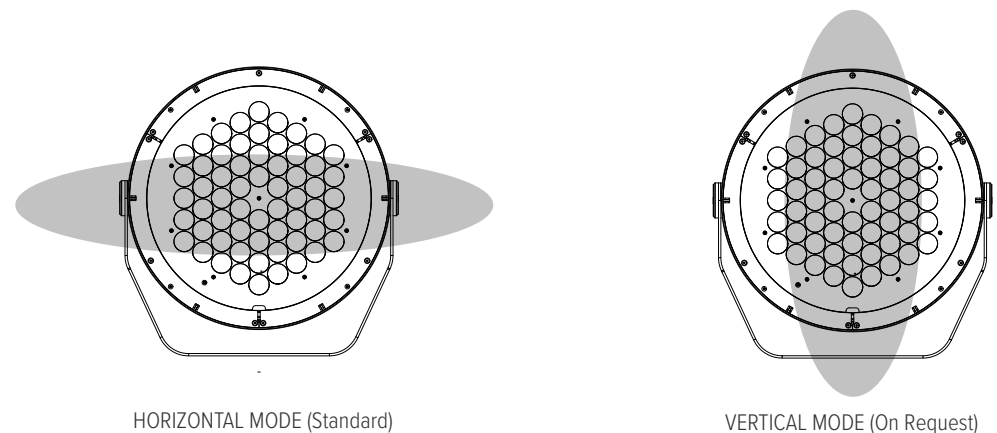
Input Voltage	100-277 VAC @ 50-60Hz
Power Consumption	203W 1.73A @ 115VAC, 0.77A @ 277VAC
Power Factor	>.95 @ 115VAC, >.9 @ 277VAC

DIMENSIONS

All dimensions are shown in inches unless otherwise noted.



OPTIC ORIENTATION (For Elliptical Beams)



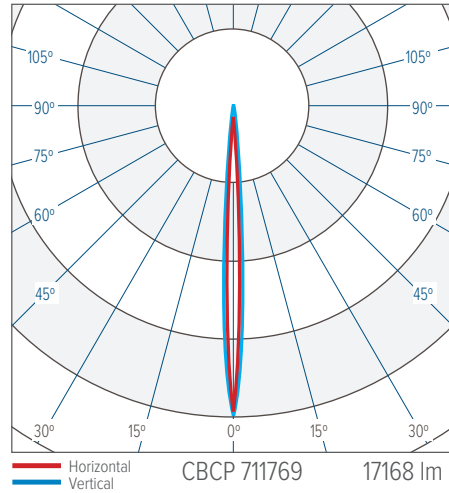
PHOTOMETRICS

LIGHT OUTPUT

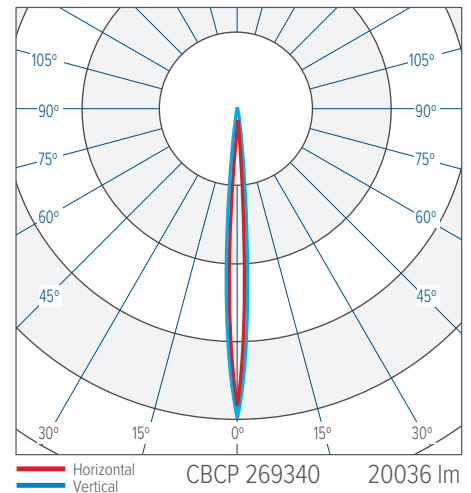
Photometric data based on cool white LEDs. Use multiplier to determine lumen and CBCP output for DW, WW, or NW. IES files are available for download at www.griven-usa.com.

COLOR	OUTPUT MULTIPLIER
CW (6500K)	1.00
NW (4000K)	.96
WW (3000K)	.94
DW (2700K-6500K)	.97

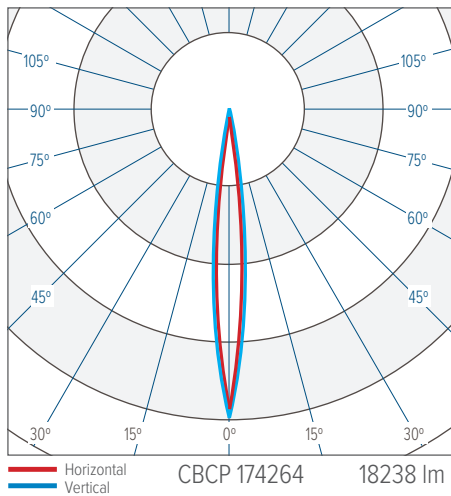
ULTRA SPOT (CW) 7°



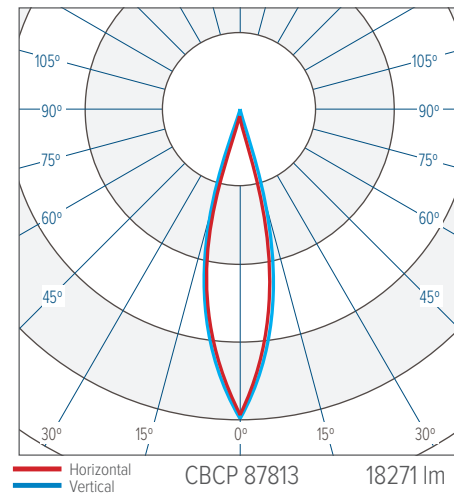
SPOT (CW) 12°



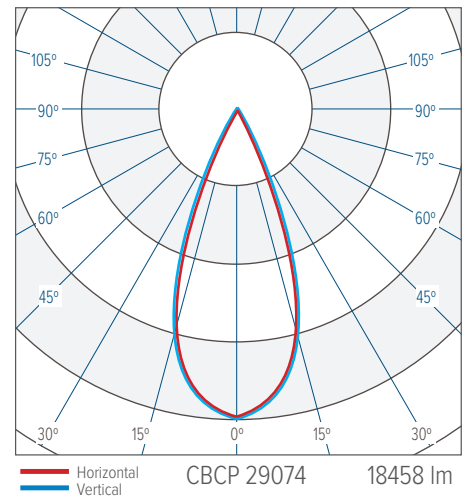
NARROW (CW) 15°



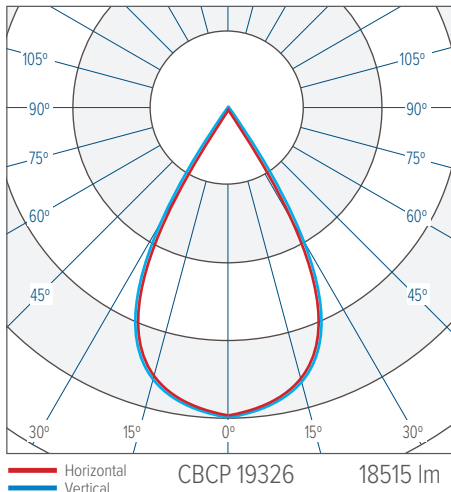
MEDIUM (CW) 23°



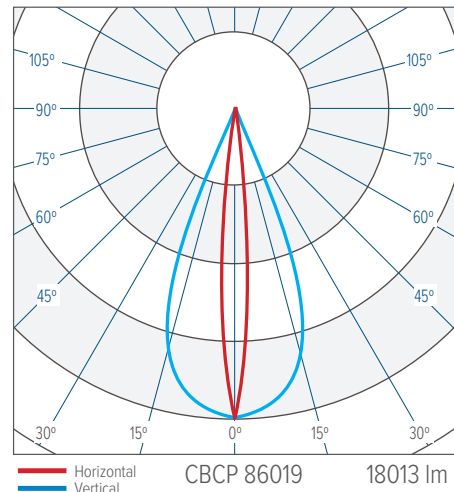
WIDE (CW) 44°



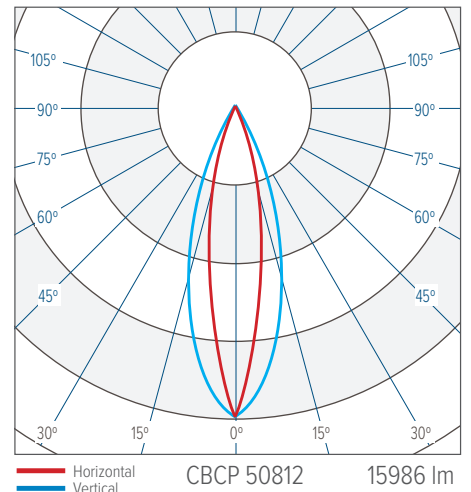
EXTRA WIDE (CW) 60°



ELLIPTICAL (CW) 40° x 14°

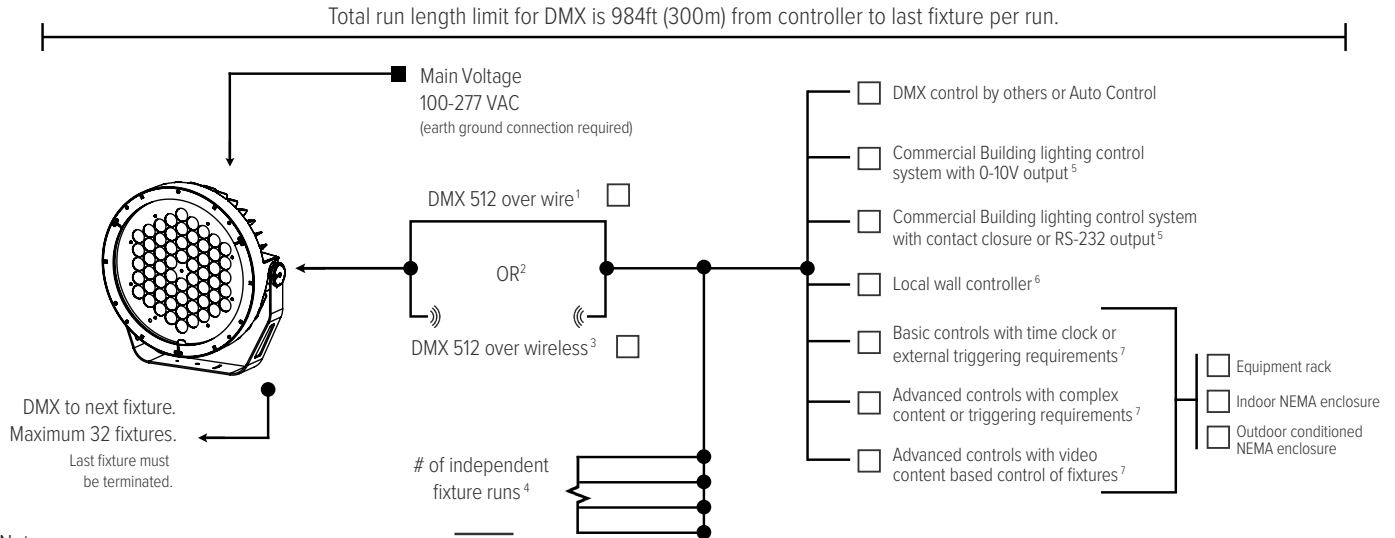


ELLIPTICAL WIDE (CW) 37° x 23°



CONTROL OPTIONS (DMX512, PRIMARY CONTROL PLATFORM)

Contact manufacturer for control system development.



1. Wire specifications are available from factory as well as approved wire for purchase.
2. Other control protocol solutions available. Contact factory for more information.
3. Wireless components are external to fixture. Distance limitations based on antennas chosen and site conditions. Contact factory for more information.
4. Based on maximum of 32 fixtures per run as well as any site constraints on conveyance of data.
5. For example: Lutron, Crestron, Encelium, Douglas, ETC by others. Griven control system will interface with building lighting control system.
6. Local wall controller for small applications. Wall controllers specified separately for larger systems.
7. Contact factory for assistance with specification. Onsite commissioning by Griven of control system is required.

PRODUCT OPTIONS



SPREADING DIFFUSER

Die-cut spreading diffusers can be added to fixture. Factory sealed in fixture for highest performance and durability. Consult factory.



MARINE GRADE COATING

Maximum corrosion resistance for installations near salt or brackish water.



CUSTOM WHITE LIGHT

Choose the white light you need for your project. Contact Griven USA to confirm availability of a custom CCT.

ACCESSORIES



JA450 - SNT Snoot



JA450-VSR Visor



AL1321 Infrared Remote Control