



JABL AREA BARN LIGHT SERIES

Product Description

The Jademar JABL Area Barn Light luminaire series provides high efficiency, zero maintenance and extended lifetime in a rugged all weather housing.

The JABL series is ideal for municipal, industrial, commercial and residential applications wherever general area security lighting is required.

This series is designed for maintenance free lifespan of over 36 years at 12 hrs/day. Calculated L70 lifespan is over 160,000 hrs.

The JABL series power supply is rated for operation up to +140F for use in all extreme climate conditions.

Product Dimensions

Model #	Width	Height	Extension	Height w/Arm	Extension w/Arm
JABL-22W	7.56in	6.42in	11.88in	13.95in	22.0in
JABL-39W	7.56in	7.28in	11.88in	14.59in	22.0in
JABL-50W	7.56in	7.69in	11.88in	15.22in	22.0in

Performance Summary

Input Power:	22W / 39W / 50W
Efficacy:	113.6 Lm/W Series Average
CCT Options:	3000K / 4000K / 5000K
Construction:	Cast Aluminum / Epoxy Powder Coat / Acrylic Lens
Input Voltage:	100-277VAC Standard
Control:	NEMA 3-Pin Photocell Standard
Ingress Protection:	IP65 Standard
Mounting:	Wall Mount & Arm Mount Standard and Included
Compliance:	UL
Lifetime Based on TM21:	L70 @ ≥ 116,000 hrs / L80 @ ≥ 109,000 hrs / L90 @ ≥ 61,000 hrs
Warranty:	10-Year Limited





SPECIFICATION SUBMITTAL DETAIL

Project Name/Type:		Date:
Catalog/Part #:		

JABL AREA BARN LIGHT SERIES

ORDERING INFORMATION / Example: **JABL3-22W-30K-PC-ARM**

Product Series	Input Voltage	CCT	CRI	Controls & Dimming	Finish	Mounting
JABL3-22W JABL1-39W JABL2-50W	Blank (120-277V) Standard	30K (3000k) 40K (4000K) 50K (5000K)	Blank (70 CRI) Standard	PC (PhotoCell) Standard	ARM (18" Arm and Wall Mount) Standard	Blank (Silver) Standard

Performance and Electrical Data

Model	JABL3-22W	JABL1-39W	JABL2-50W
Light Output (Wattage)	22W	39W	50.6W
Light Output (Efficacy)	121 lms/W	110.3 lms/W	116.1 lms/W
Lumen Output @ 3000K	2,458 (non-DLC)	3,715 (non-DLC)	5,070 (non-DLC)
Lumen Output @ 3500K	2,580 (non-DLC)	3,900 (non-DLC)	5,324 (non-DLC)
Lumen Output @ 4000K	2,710	4,095 (non-DLC)	5,590
Lumen Output @ 5000K	2,845	4,300 (non-DLC)	5,869
Luminaire Dimensions (L x W x H)	11.88" x 7.56" x 6.42"	11.88" x 7.56" x 7.28"	11.88" x 7.56" x 7.69"
Effective Projected Area (EPA)	0.276 sq. ft.	0.304 sq. ft.	0.314 sq. ft.
Input Voltage	120-277VAC	120-277VAC	120-277VAC
Power Factor	>0.93	>0.90	>0.94
CRI	>73.8	>70	>72.8
THD @ 120VAC	<9.9%	<15%	<13.86%
Certifications	UL / DLC Premium Listed	UL Listed (No DLC)	UL / DLC Standard Listed
CCT	3000K / 3500K / 4000K / 5000K		
Ambient Working Temp.	-40°F to +140°F		
Standard Control Specification	10VDC Dimming / Dusk-to-Dawn Photocell		
Construction	Die Cast Alluminum Alloy / Epoxy Powder Coat / UV Stabalized Acrylic Lens		
Lighting Distribution	95.8° / 161.2°		
Lifetime Based on TM21	L70 @ ≥ 116,000 hrs / L80 @ ≥ 109,000 hrs / L90 @ ≥ 61,000hrs		
Power Supply Lifetime @ 130°F	≥100,000 Hrs		
Ingress Protection (IP)	IP65		
Limited Warranty	10 Years		



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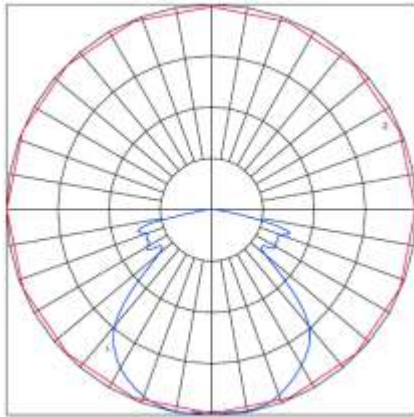


Information contained herein is subject to change without notice. Values are nominal. All values conform to DLC tolerances.
 Revised 01/2021

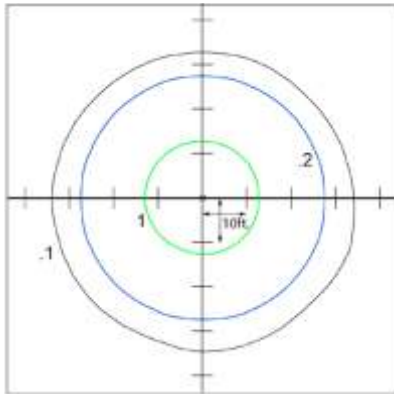
Photometric Detail

JABL3 - 22W

Spacing Criteria (0-180)	1.32
Spacing Criteria (90-270)	1.30
Spacing Criteria (Diagonal)	1.34



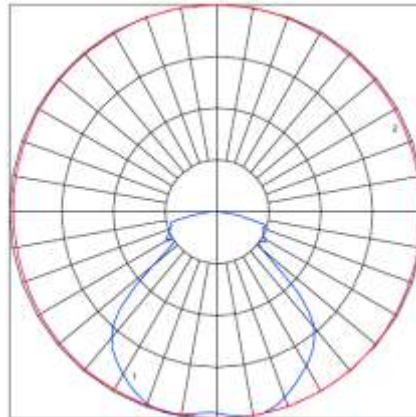
1. Vertical Plane at Max. Values
2. Horizontal Cone at Max. Values



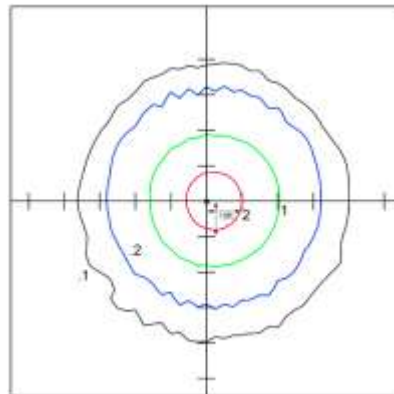
JABL3-22W Illumination
(Footcandle) Plot
Mounting Height = 25ft. above grade

JABL1 - 39W

Spacing Criteria (0-180)	1.34
Spacing Criteria (90-270)	1.32
Spacing Criteria (Diagonal)	1.36



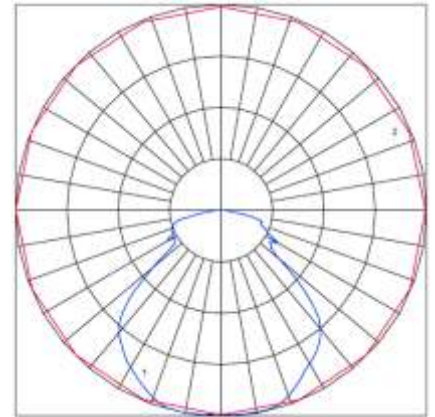
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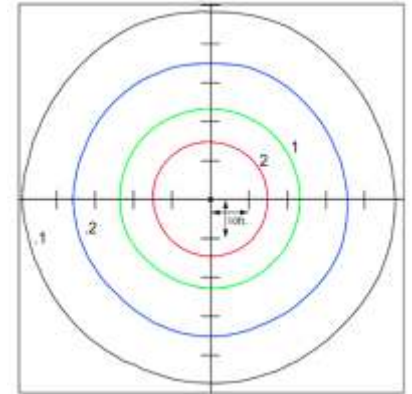
JABL1-39W Illumination
(Footcandle) Plot
Mounting Height = 25ft. above grade

JABL2 - 50W

Spacing Criteria (0-180)	1.30
Spacing Criteria (90-270)	1.30
Spacing Criteria (Diagonal)	1.36



1. Vertical Plane at Max. Values
2. Horizontal Cone at Max. Values



JABL2-50W Illumination
(Footcandle) Plot
Mounting Height = 25ft. above grade

