

# JABL SERIES

## DUSK-TO-DAWN

### AREA/SECURITY BARN LUMINAIRE

#### 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 +140°F for use in all extreme climate conditions.

#### STANDARD FEATURES

##### Construction and Materials

- Cast Aluminum with Epoxy Powder Coat Finish
- Acrylic Lens

##### Optical System

- 95.8° / 161.2° Light Distribution

##### Electrical System

- Input Power: 22W / 39W / 50W
- Input Voltage: 120-277VAC
- CCT: Selectable 3000K / 4000K / 5000K
- Efficacy: 111 lm/W on average
- Power Factor: >0.9
- CRI: >70
- Operating Temp: -40°C to +60°C (-40°F to +140°F) Ambient
- Total Harmonic Distortion: <15%
- Integral Surge Protection: L/N-PE: 4kV, L-N: 4kV

##### Dimming and Controls

- 0-10VDC Continuous Dimming Standard

##### Certifications and Compliance

- UL Listed for Wet locations
- Ingress Protection: IP65 for Wet Locations
- RoHS compliant
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated Emissions

**Lifetime Based on TM21:** L70 ≥ 116,000 / L80 ≥ 109,000 / L90 ≥ 61,000 Hrs

#### 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

<b>Input Power:</b>	22W / 39W / 50W
<b>Average Efficacy:</b>	111 lm/W
<b>CCT Options:</b>	3000K / 4000K / 5000K
<b>Construction:</b>	Cast Aluminum with Epoxy Powder Coat Finish and Acrylic Lens
<b>Input Voltage:</b>	120-277VAC Standard
<b>Controls &amp; Dimming:</b>	0-10V Dimming and 3-Pin NEMA Photocell
<b>Ingress Protection:</b>	IP65 Weatherproof
<b>Mounting:</b>	Wall Mount & Arm Mount Standard are Included
<b>Compliance:</b>	UL Listed for Wet Locations
<b>Warranty:</b>	10-Year Limited

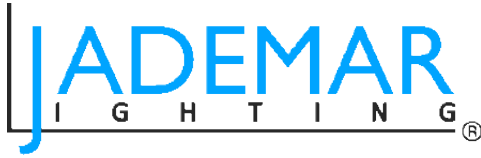


Information contained herein is subject to change without notice.  
Values are nominal.  
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## SPECIFICATION SUBMITTAL DETAIL

<b>Project Name/Type:</b>		<b>Date:</b>
<b>Catalog/Part #:</b>		

**JABL SERIES DUSK-TO-DAWN AREA/SECURITY BARN LUMINAIRE**  
 Ordering Information / Example: [JBL3-22W-40K-PC-ARM](#)

Product Series	Input Voltage	CCT	CRI	Controls & Dimming	Mounting	Finish
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" Extender Arm/Wall Mount) Standard	Blank (GR) Standard

**LUMEN PERFORMANCE AND ELECTRICAL DATA**

Model Number	JABL3-22W				JABL1-39W				JABL2-50W			
Input Power	22W				39W				50W			
Color Temperature (CCT)	3000K	3500K	4000K	5000K	3000K	3500K	4000K	5000K	3000K	3500K	4000K	5000K
Lumens	2,458	2,580	2,710	2,845	3,715	3,900	4,095	4,300	5,070	5,324	5,590	5,869
Nominal Efficacy (lm/W)	112	117	123	129	95	100	105	110	101	106	112	117
CRI	>70											
Light Distribution	95.8° / 161.2°											
Ingress Protection Rating	IP65											
Certifications & Compliance	FCC / UL Listed for Wet Locations											
Dimming / Control Options	0-10V Dimming / 3-Pin NEMA Type Photocell											
Power Factor	PF>0.9											
Surge Protection	L/N-PE: 4kV, L-N: 4kV											
THD	≤15%											
Lifetime Based on TM21	L70 ≥ 116,000 / L80 ≥ 109,000 / L90 ≥ 61,000 Hrs											
Housing Material	Die Cast Aluminum Alloy / Epoxy Powder Coat / UV Stabilized Acrylic Lens											
Ambient Working Temp	-40°C to +60°C (-40°F to +140°F) Ambient											
Limited Warranty	10 Years Limited											



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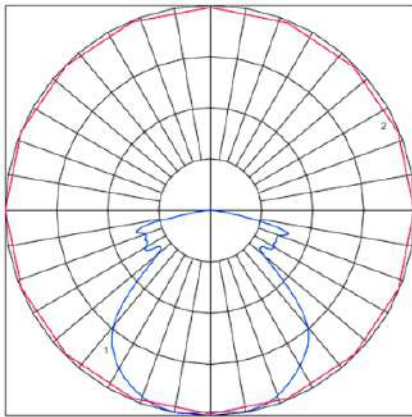


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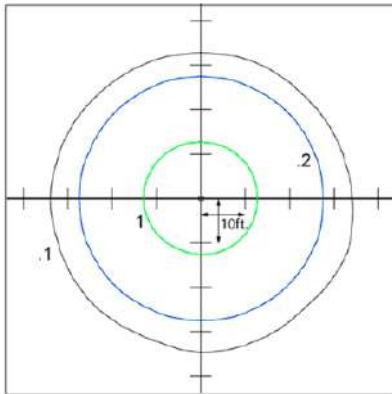
#### PHOTOMETRIC DATA

#### JABL3 - 22W

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



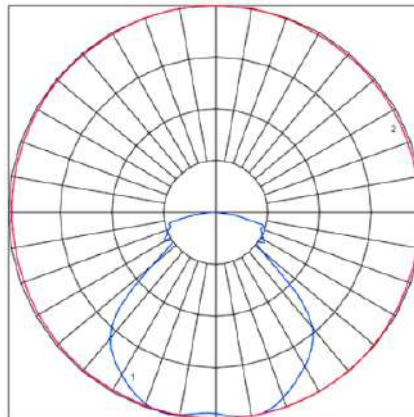
1. Vertical Plane at Max. Values
2. Horizontal Cone at Max. Values



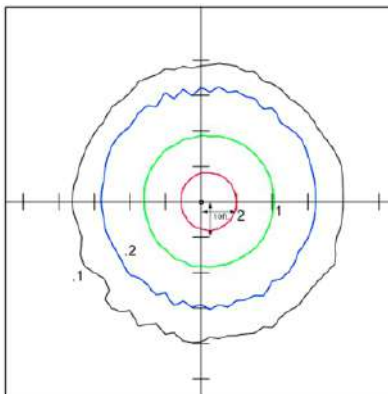
**JABL3-22W Illumination**  
(Footcandle) Plot  
Mounting Height = 25ft. above grade

#### JABL1 - 39W

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



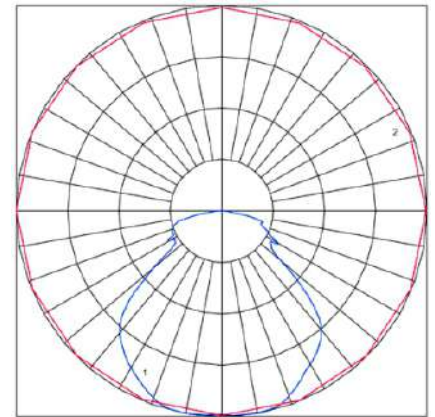
1. Vertical Plane at Max. Values
2. Horizontal Cone at Max. Values



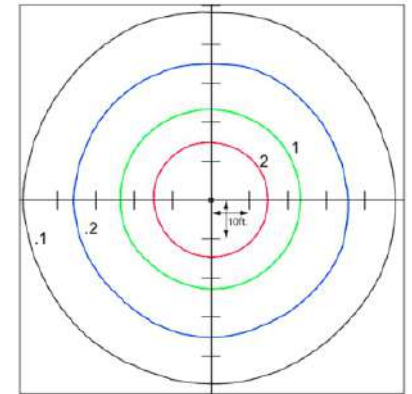
**JABL1-39W Illumination**  
(Footcandle) Plot  
Mounting Height = 25ft. above grade

#### 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

