

JBL SERIES

IP65 RATED ROUND AND SQUARE TRADITIONAL BOLLARD

PRODUCT DESCRIPTION

The **Jademar JBL LED Bollard Series** are lights used to light pathways and commonly used areas around residential and commercial buildings. Our high quality LED bollard lighting is used at residential communities, hospitals, malls, office buildings and parks to light pathways and courtyards.

Our Bollards are available in Round or Square shaped Tops. Made of die-cast aluminum with a durable powder coat finish. These bollards are easily installed for both new construction or retrofit projects.

FEATURES

- Available in 4000K and 5000K color temperature (3000K Special Order)
- Long-life LEDs provide at least 70% of initial lumen output (L70) for >180,000hours of operation, and at least 90% of initial lumen output (L90) for >54,000 hours of operation
- LED chromaticity based on <5-step ANSI quadrangles
- LED color maintenance <0.001 chromaticity shift ($\Delta u'v'$) over the initial 6,000 hours of operation
- 2,700 nominal lumens
- 21 nominal watts
- 0-10VDC dimming drivers, which provide 10% continuous dimming are standard
- Universal 120-277 AC voltage (50-60Hz) is standard
- Power factor > 0.90
- Total harmonic distortion < 20%
- Color rendering index (Ra) > 80, Red color rendering of at least 15
- Cast aluminum housing with dark bronze, powder coat finish
- High-impact, polycarbonate lens
- Easy installation in new construction or retrofit applications

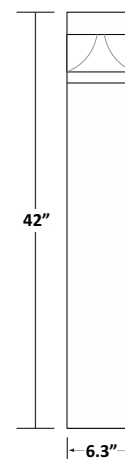
WARRANTY & CERTIFICATIONS

- cULus listed for wet locations
- Ambient temperatures from -40°C to 50°C (-40°F to 122°F)
- IP65 rated
- Complies with FCC Part 15, class A
- Complies with ICE61000-4-5, input transient surge protection
- Line-neutral = 4kV
- Complies with RoHS (Restriction on Hazardous Substances) requirements
- 10 Years Warranty of all electronics and housing

PERFORMANCE SUMMARY

Input Power	21W
Efficacy	128 lm/W on average
CCT Options	3000K / 4000K / 5000K
Construction	Cast aluminum housing with dark bronze, powder coat finish / High-impact, polycarbonate lens
Input Voltage	120-277VAC
Ingress Protection	IP65
Surge Protection	4kV Input Transient Surge Protection
Compliance	FCC / UL and DLC Listed
Lifetime Based on TM21	L70 @ 180,000Hrs. / L90 @ 54,000Hrs.
Warranty	10 Years Limited Warranty

DIMENSIONS



21W Models

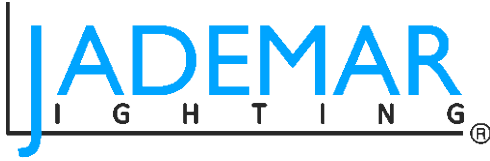
CERTIFICATIONS



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Information contained herein is subject to change without notice.
 Values are nominal.
 Revised 03/2022



SPECIFICATION SUBMITTAL DETAIL

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

JBL TRADITIONAL BOLLARD SERIES

ORDERING INFORMATION / EXAMPLE: **JBL-R-F-21W-40K-BZ**

Product Series	Base Type	Top Style	Wattage	Input Voltage	CCT	CRI	Finish
JBL	R (Round Base) S (Square Base)	F (Flat Top)	21W	Blank (100-277VAC) Standard	30K (3000K)* 40K (4000K) 50K (5000K)	Blank (80 CRI) Standard	BZ (Bronze)

**3000K Special Order*

FIELD INSTALLED OPTIONS

JBL-R-MTG-KIT	Anchor Bolt for Round Bollard
JBL-S-MTG-KIT	Anchor Bolt for Square Bollard

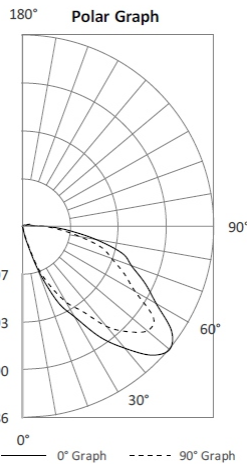
LUMEN PERFORMANCE AND ELECTRICAL DATA

Model Number	Nominal Watts	CCT	CRI	Lumen Output	Efficacy	Input Voltage	Input Current (A)			Power Factor	THD	L ⁷⁰ Hours
							120V	240V	277V			
JBL-R-F-21W-30K	21W	3000K	>80	2718	129	120-277V	0.18	0.9	0.08	>90%	<20%	180,000
JBL-R-F-21W-40K	21W	4000K	>80	2772	132	120-277V	0.18	0.9	0.08	>90%	<20%	180,000
JBL-R-F-21W-50K	21W	5000K	>80	2785	133	120-277V	0.18	0.9	0.08	>90%	<20%	180,000
JBL-S-F-21W-30K	21W	3000K	>80	2685	128	120-277V	0.18	0.9	0.08	>90%	<20%	180,000
JBL-S-F-21W-40K	21W	4000K	>80	2739	130	120-277V	0.18	0.9	0.08	>90%	<20%	180,000
JBL-S-F-21W-50K	21W	5000K	>80	2756	131	120-277V	0.18	0.9	0.08	>90%	<20%	180,000
Dimming	0-10VDC Dimming											
Construction	Extruded Aluminum Alloy Housing with UV Stabilized Powder Coat Finish / High-Impact Polycarbonate Diffuser											
Light Distribution	360°											
Lifetime Bases on TM21	L70 @ 180,000Hrs. / L90 @ 54,000Hrs.											
Ambient Working Temp	-40°C to +50°C (-40°F ~ +122°F) Ambient											
Certifications	FCC / RoHS / UL Listed											
Limited Warranty	10 Years											

PHOTOMETRIC DATA

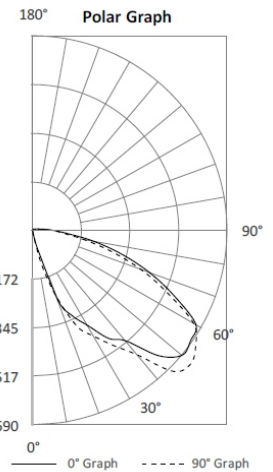
JBL-R-21W-50K

IES Classification Type IV
 Longitudinal Classification : Very Short
 Max Cd: 827.74 (45H, 54V)
 BUG Rating: B1-U3-G2



JBL-S-21W-50K

IES Classification Type VS
 Longitudinal Classification : Short
 Max Cd: 757.38 (90H, 51V)
 BUG Rating: B1-U3-G1



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