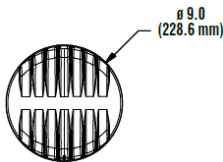
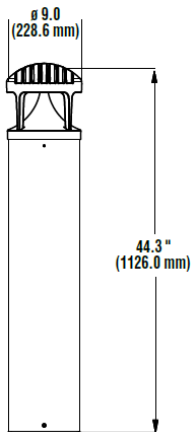


MIRB SERIES LED ARCHITECTURAL BOLLARD



DIMENSIONS



SPECIFICATIONS

OPTICAL SYSTEM

- Available in two optical distributions, symmetrical and asymmetrical.
- High transmission clear flat acrylic lens seals the luminaire's optical chamber to IP65.
- Available in 5000K, 4000K, 3000K, and 2700K color temperatures per ANSI C78.377. Also available in Phosphor Converted Amber. Consult Factory for other color temperature requirements.
- Minimum CRI of 70. Consult Factory for Higher CRI requirements.

ELECTRICAL

- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz. Optional High Voltage 347-480 Vac Input available.
- L91 Calculated Life: >100k Hours calculated @ 25°C per IESNA TM-21-11.
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F); Cold-weather emergency battery backup rated for -20°C minimum ambient.
- Power factor: >.90
- Input power stays constant over life.
- High-efficacy LEDs with integrated circuit board mount to the housing to maximize heat dissipation and promote long life.
- Driver components are fully encased in potting long material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.
- Electrical components are mounted on a removable power tray.
- Field replaceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- Optional 120v-277v integral emergency battery pack is available. The 90-minute batteries provide constant power to the LED system, ensuring code compliance. A test switch/indicator button is installed on the housing for ease of maintenance.

CONSTRUCTION

- Precision 2pc die-cast aluminum head maintains durability and consistency while providing vandal resistance, effective heat dissipation, and superior aesthetics.
- 8-5/8" OD one-piece extruded aluminum heavy wall .322 inch thick seamless shaft. Various heights are available in 6" increments starting at a minimum of 24" (maximum height is 60").
- Lower housing attaches to cast aluminum base plate with four stainless steel roll pins.
- Optional roughneck zinc plated steel base plate (.375" thick) with welded U shaped reinforcement. 3/8" diameter 302 stainless steel roll pins with 10,000 lb. shear load.
- IP65 rated (pending) optical chamber protects integral components from harsh environments.
- Luminaire is proudly manufactured in the U.S. of U.S. and imported parts.
- Fixtures are finished with WLS's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard WLS finishes available. Consult factory.
- Shipping weight: 40 lbs in carton.

CONTROLS

- Electronic Button photocell available in dedicated voltages (120v, 277v, 347v).

INSTALLATION

- Easy leveling even in uneven areas and full 360-degree rotation for precise alignment during installation.
- Base plate installs with four heavy-duty 3/8" x 10" galvanized steel anchor bolts.
- Base plate attaches to lower extruded housing via four stainless steel roll pins.

WARRANTY

- WLS LED Fixtures carry a 5-year warranty.
- 1 Year warranty on optional Battery Back Up. Test regularly in accordance with local codes.

LISTINGS

- Listed to UL 1598 and UL 8750.
- RoHS Compliant.
- Lighting Facts Approved.
- Suitable For wet Locations.
- IP65 Pending rated Luminaire optical chamber.
- International Dark Sky (IDA) Compliant Luminaire



Made in the U.S.A. of the U.S. and imported parts.
Meets Buy American requirements for ARRA.

Project Name: _____

Date: _____

Location: _____

Notes: _____

MIRB SERIES LED ARCHITECTURAL BOLLARD

ORDERING INFORMATION SELECT APPROPRIATE CHOICE FROM EACH COLUMN TO FORMULATE ORDER CODE.

Refer to example below.

SERIES	SOURCE	LUMEN PACKAGE	LENS	DISTRIBUTION	VOLTAGE	DRIVER
MIRB	LED	25L 2,500 lm 30L 3,000 lm	ACR Acrylic	A Asymmetric S Symmetrical	UNV Universal Voltage (120-277V) HV High Voltage (347 - 480v)	DIM 0-10v Dimming (10-100%)

ORDER:

WLS-MIRB	LED		ACR			DIM
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COLOR TEMPERATURE	CRI	CONTROLS	BATTERY BACKUP ⁴	FINISH	OPTIONS	ACCESSORIES ³
50 5,000K 40 4,000K 30 3,000K 27 ¹ 2,700K AMB ¹ Phosphor Convert- ed Amber	(Blank) 70CRI	Button Type Photocells PCI120 120V PCI208-277 208-277V PCI347 347V	BB Battery Backup CWBB Cold Weather Battery Backup	BRZ Bronze BLK Black WHT White PLP Platinum Plus SVG Satin Verde Green GPT Graphite MSV Metallic Silver	H ² XX (Specify Height) GFR GFI Duplex Receptacle LAB Less Anchor Bolts RN Roughneck Heavy Duty Mtg Plate HSS House Side Shield	HSS House Side Shield KIT Galvanized anchor Bolt kit

ORDER:

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Example: WLS-MIRB-LED-30L-ACR-S-UNV-DIM-40-PC120-BB-WHT-LAB

FOOTNOTES:

- 1 Consult Factory for availability.
- 2 Standard height is 42". Non Standard heights are available in 6" increments. Minimum height is 24", 30" with battery backup option. Maximum height is 60".
- 3 Accessories are shipped separately and field installed.
- 4 Not available in HV Voltage.

DELIVERED LUMENS*

Lumen Package	Lens Type	Distribution	CRI	AMB CCT		2700K CCT		3000K CCT		4000K CCT		5000K CCT		Wattage
				Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	
25L	ACR	S	70	1713	56	2242	74	2456	71	2487	82	2485	81	30.5
30L	ACR	S	70	2110	55	2761	71.9	2655	69	3063	80	3061	80	38.4
25L	ACR	A	70	1327	58	1736	75.5	1670	73	1926	84	1925	84	23.0
30L	ACR	A	70	1634	56	2138	73.5	2056	71	2372	82	2370	81	29.1

ELECTRICAL DATA (Amps)*

Lumen Package	Distribution	120V	208V	240V	277V	347V	480V
25L	S	0.25	0.15	0.13	0.11	0.09	0.06
30L	S	0.32	0.18	0.16	0.14	0.11	0.08
25L	A	0.19	0.11	0.10	0.07	0.07	0.05
30L	A	0.24	0.14	0.12	0.10	0.08	0.06

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

Recommended Lumen Maintenance¹

AMBIENT TEMP C	INITIAL ²	25K HR ²	50K HR ²	75K HR ³	100K HR ³
0C	100%	98%	95%	93%	90%
10C	100%	98%	95%	93%	90%
20C	100%	98%	95%	93%	91%
25C	100%	98%	96%	93%	91%
30C	99%	96%	93%	91%	88%
40C	99%	95%	91%	88%	85%
50C	99%	94%	89%	84%	80%

- 1 Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.
- 2 In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
- 3 In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing

Project Name: _____

Date: _____

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01 REV. 02/19

Specifications subject to change without notice.