

Project Name

Qty

Type

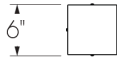
Catalog / Part Number



MOBB6 Round



MOBB8 Round

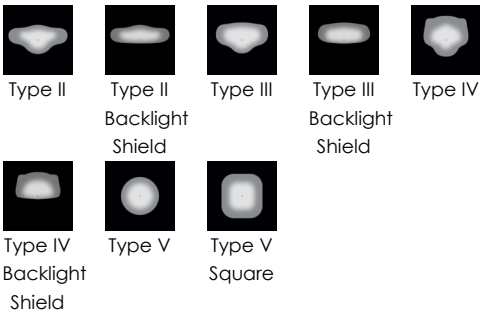


MOBB6 Square

Top views

Side views

Distributions



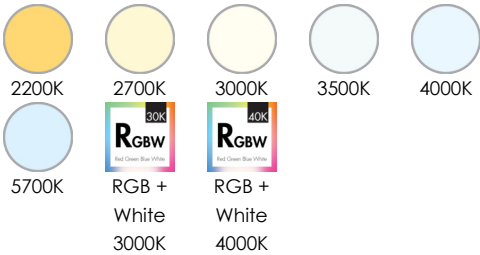
Description

The Mobilia Bollard is an LED bollard perfectly suited for urban lighting applications, including landscapes, bike lanes, pedestrian paths, plazas, collector roads. Featuring a choice of round or square design and available in 6 in or 8 in diameters, the Mobilia Bollard offers the option of a Clear or Frosted lens as well as numerous distributions to deliver even, energy-efficient illumination.

Features

Color and Color Temperature	2200K, 2700K, 3000K, 3500K, 4000K, 5700K, RGB + White 3000K, RGB + White 4000K
Distributions	Type II, Type III or Type IV (with or without backlight shield), Type V, Type V square
Option	Corrosion-Resistant Coating for Hostile Environments Surge Protector Photoelectric Cell Button Type Ground Fault Duplex Receptacle Ground Fault Duplex Receptacle (While in Use) Tamper-Proof Screws Duplex Receptacle with USB A and USB C Duplex Receptacle with USB A and USB C (While in Use)

Color and Color Temperature



Control



Power Consumption	12W/luminaire (SO version), 24W/luminaire (RO version)
Warranty	5-year limited warranty

Performance

Output (Nominal Lumens)	Soft Output (750 lumens), Regular Output (1500 lumens)
Color Rendering	CRI 70+, CRI 80+
Lumen Maintenance	L70 120,000hrs (Ta 25 °C [77 °F])

Physical

Housing Material	Extruded aluminium 6000 alloy series
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Rating

IP66 (optical chamber)

Lumencycle™ Program



Certifications



Lens Material	Moulded acrylic impact resistant, clear or frosted lens
Hardware Material	Stainless steel
Weight	20 lbs (MOBB6 Round and Square), 24 lbs (MOBB8 Round)
Surface Finish	Super durable resistant exterior polyester powder coating meets AAMA 2604-98 requirements (5-years Florida exposure). A corrosion resistant finish (CRC) pre-finish is available to meet ASTM B-117 & ASTM D-1654 (salt spray resistance) and ASTM D-2247 requirements (humidity resistance).

Electrical and Control

Voltage	120 Volts, 208 Volts, 240 Volts, 277 Volts, 347 Volts, 480 Volts
Control	On/Off Control, 0-10V Dimming, DMX/RDM Enabled, Lumentalk

Environmental

Storage Temperature	-40 °F to 122 °F (device must reach start-up temperature value before operating)
Start-up Temperature	-40 °F to 104 °F
Operating Temperature	-40 °F to 104 °F
Ingress Protection Rating	IP66 (LED module)
Environment	Dry/damp/wet location

Important

Virtual Patent Marking Notice

This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

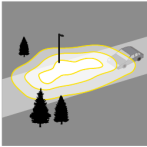
Lumencycle™ Program

Lumencycle is a comprehensive program designed to maximize the life of Lumenpulse fixtures while preserving their performance, quality, and design intent. Built around three pillars—Repair, Restore, and Recycle—the program provides clear pathways to maintain existing installations, restore fixtures, and responsibly manage them at end of life. For full program details, visit <https://www.lumenpulse.com/lumencycle>.

Photometric Information

Mobilia Bollard 6 in (Round And Square Shapes)

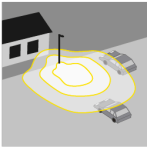
Type II, 4000K, CRI 80+

	Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	BUG Rating			Typical maximum power 120/277V (W)
	SO	691	58	B	U	G	12
	RO	1,293	54	1	2	1	24

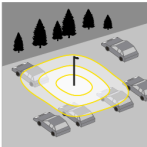
Type III, 4000K, CRI 80+

	Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	BUG Rating			Typical maximum power 120/277V (W)
	SO	723	60	B	U	G	12
	RO	1,352	56	1	2	1	24

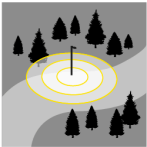
Type IV, 4000K, CRI 80+

	Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	BUG Rating			Typical maximum power 120/277V (W)
	SO	704	59	B	U	G	12
	RO	1,317	55	1	2	1	24

Type V Square, 4000K, CRI 80+

	Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	BUG Rating			Typical maximum power 120/277V (W)
	SO	816	68	B	U	G	12
	RO	1,527	64	1	2	1	24

Type V, 4000K, CRI 80+

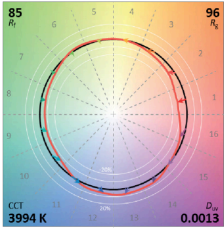
	Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	BUG Rating			Typical maximum power 120/277V (W)
	SO	705	59	B	U	G	12
	RO	1,319	55	1	3	1	24

Photometric performance is measured in compliance with IESNA LM-79-24. Due to rapid and continuous advance in LED technology, photometric information is subject to change without notice.

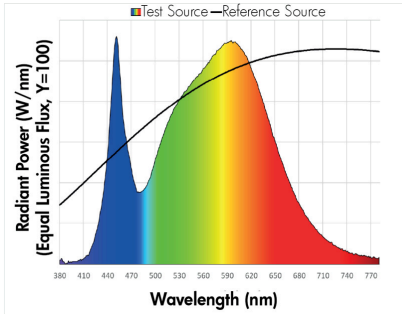
Chromaticity Data

TM-30 - 4000K

CCT	CIE		TM-30	
4000K	R _a	83	85	R _f
	R _g	14	96	R _g

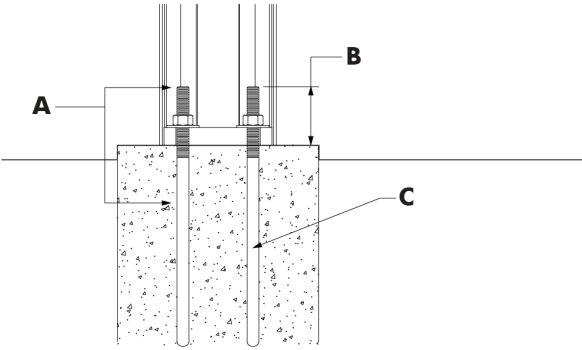


Spectral Power Distribution



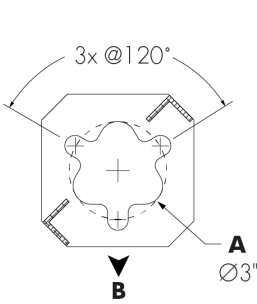
Anchoring Details

Anchor Details



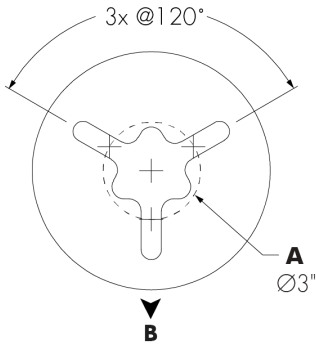
- A - Galvanized steel portion
- B - The threads of anchors must protrude between 2 in and 3 in from concrete base.
- C - (3X) Ø 1/2" by 12 in anchors, supplied with two nuts and flat washers for each (provided).

MOBB6 Round - Bolt Circle

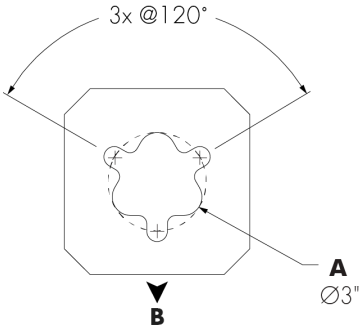


- A - Bolt circle
- B - Street side

MOBB8 Round - Bolt Circle



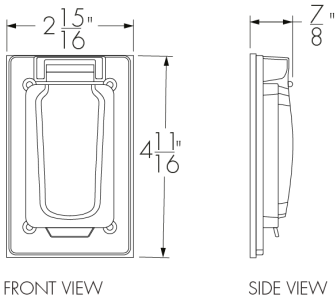
MOBB6 Square - Bolt Circle



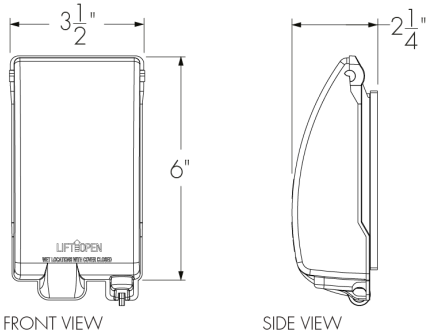
Duplex Receptacle Details

DRG - Ground Fault Duplex Receptacle
USB - Duplex Receptacle with USB A and USB C

DRG IU - Ground Fault Duplex Receptacle (While in Use)
USB IU - Duplex Receptacle with USB A and USB C (While In Use)



DRG and USB options are not suitable under the Canadian Electrical Code (CEC) for product installations in Canada. Only the DRG IU or USB IU are suitable for products installed in Canada.



* Weather-resistant and lockable cover (padlock by others)

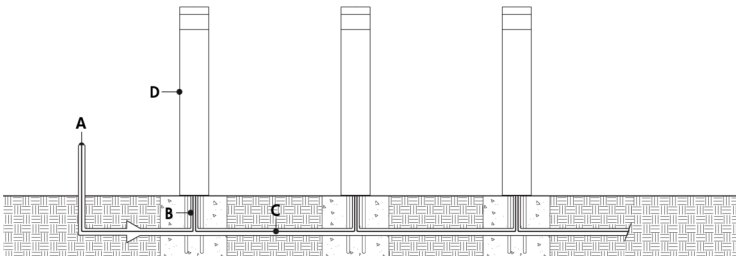
The duplex receptacle must be installed in accordance with applicable national and local electrical and construction codes by a person familiar with the construction and operation of the product and the hazards involved. Refer to national and local electrical codes before selecting a duplex receptacle to ensure all requirements are met.

Typical Wiring Diagrams

Wiring Color Code

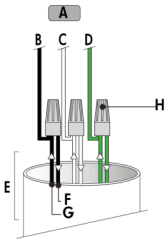
Color	Black	White	Green	Purple/Red	Gray/Orange
Use	Line	Line/Neutral	Ground	0-10V+ /Data +	0-10V- /Data -

On/Off Control (NO)



- A - Power input (120-480V, wiring by others)
- B - Conduit (by others)
- C - Power wiring (by others)
- D - Mobilia Bollard

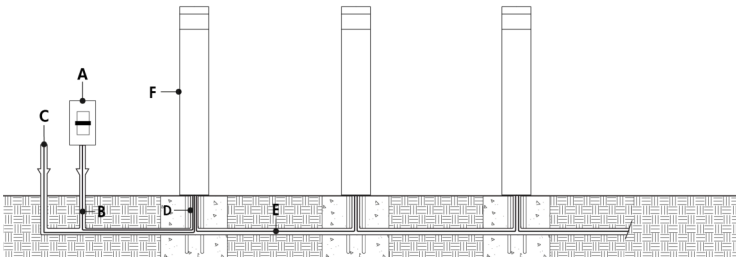
On/Off Control (NO) - Wiring Detail



- A - To fixture
- B - Line
- C - Line/Neutral
- D - Ground
- E - Conduit (by others)
- F - To next fixture
- G - Power input or from previous fixture
- H - Wire-nuts (by others)

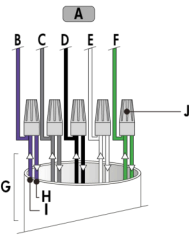
- Consult factory for specific applications and maximum fixture count/cable length recommendations.

0-10V Dimming (DIM)



- A - Dimmer (by others)
- B - Data wiring (by others)
- C - Power input (120-480V, wiring by others)
- D - Conduit (by others)
- E - Power and data wiring (by others)
- F - Mobilia Bollard

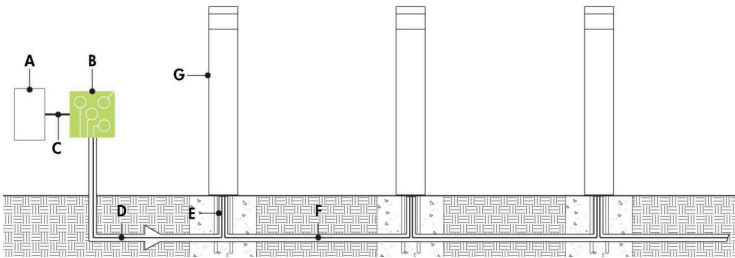
0-10V Dimming (DIM) - Wiring Detail



- A - To fixture
- B - 0-10V +
- C - 0-10V -
- D - Line
- E - Neutral
- F - Ground
- G - Conduit (by others)
- H - To next fixture
- I - Power input or from previous fixture
- J - Wire-nuts (by others)

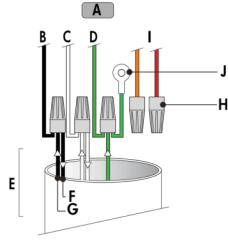
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 0-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- 1% minimum dimming value.

Lumentalk (LT)



- A - Dimmer/controller (order separately from Lumenpulse, or by others)
- B - Lumentranslator (LTL-010, -DMX, -TRIAC, -DALI)
- C - Data wiring (by others)
- D - Power line (120-277V, wiring by others)
- E - Conduit (by others)
- F - Power wiring (by others)
- G - Mobilia Bollard

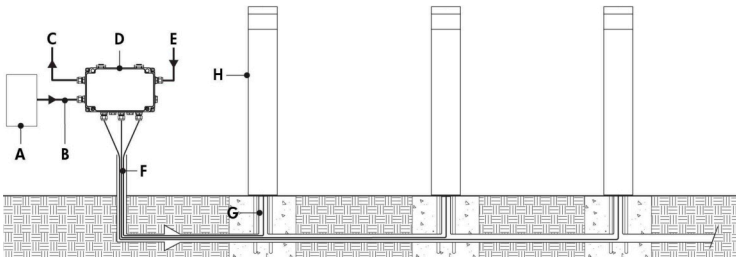
Lumentalk (LT) - Wiring Detail



- A - To fixture
- B - Line
- C - Neutral
- D - Ground
- E - Conduit (by others)
- F - To next fixture
- G - Power input or from previous fixture
- H - Wire-nuts (by others)
- I - Not required
- J - Ground lug

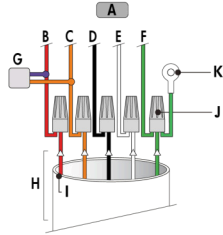
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk enabled fixtures must be commissioned using LumentalkID software and a LID-LT. Consult factory for details.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.
- No third party fixtures allowed on the same circuit.
- For DMX applications: 1 DMX controller per Lumentalk network, maximum of 48 DMX channels per Lumentalk network (minimum step transition update rate is 1 second, minimum fade time between two colors is 1 minute). Consult factory for applications that require additional capabilities.
- Consult factory for DALI Lumentalk applications.
- 1% minimum dimming value.

Star Layout (DMX/RDM)



- A** - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B** - Data input (Belden 9841 or equivalent, by others)
- C** - Data output to next CBX (optional, not isolated/not boosted)
- D** - CBX-ST
- E** - Power input (120-480V, wiring by others)
- F** - Power and data output to fixture (wiring by others)
- G** - Conduit (by others)
- H** - Mobilia Bollard

DMX/RDM - Wiring Detail (Star Layout)



- A** - To fixture
- B** - Data +
- C** - Data -
- D** - Line
- E** - Neutral
- F** - Ground
- G** - Lumenterminator
- H** - Conduit (by others)
- I** - From CBX or from previous fixture
- J** - Wire-nuts (by others)
- K** - Ground lug

- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 6 outputs per CBX-ST.
- Each fixture requires 1 DMX address.
- DMX terminator is required at the end of each run to maintain data integrity. Six (6x) DMX lumenterminators included per CBX-ST. See installation instructions for details.
- 1% minimum dimming value.
- 100 watts per fixture.

How to Order

Housing	Shapes	Voltage	Lens	Output (Nominal Lumens) ⁽⁴⁾	Color and Color Temperature	Color Rendering ⁽⁴⁾	Distributions	Finish	Control	Option	Anchor Bolts Option
MOBB6 Mobilia Bollard 6 in ⁽¹⁾ MOBB8 Mobilia Bollard 8 in ⁽²⁾	R Round	120 120 Volts	CL Clear Lens ⁽³⁾ ⁽⁴⁾	SO Soft Output (750 lumens)	22K 2200K	CRI 70 CRI 70+ ⁽⁹⁾	2 Type II	BK Black Sandtex®	NO On/Off Control	CRC Corrosion- Resistant Coating	AB Anchor Bolts ⁽²¹⁾
	S Square	208 208 Volts	FR Frosted lens ⁽⁵⁾	RO Regular Output (1500 lumens)	27K 2700K	CRI 80 CRI 80+ ⁽¹⁰⁾	2BLS Type II Backlight Shield	BRZ Bronze Sandtex®	DIM 0-10V Dimming	SP Surge Protector	
		240 240 Volts			30K 3000K		3 Type III	SI Silver Sandtex®	DMX/RDM DMX/RDM Enabled ⁽¹⁴⁾	PB Photoelectric Cell Button Type ⁽¹⁷⁾ ⁽¹⁸⁾	
		277 277 Volts			35K 3500K		3BLS Type III Backlight Shield	BKTX Textured Black	LT Lumentalk Enabled Dimming ⁽¹⁵⁾ ⁽¹⁶⁾	DRG Ground Fault Duplex Receptacle ⁽¹⁹⁾ ⁽²⁰⁾	
		347 347 Volts			40K 4000K		4 Type IV	BRZTX Textured Bronze Non- Metallic		DRG IU Ground Fault Duplex Receptacle (While in Use) ⁽¹⁹⁾	
		480 480 Volts			57K 5700K ⁽⁴⁾		4BLS Type IV Backlight Shield	GRATX Textured Medium Gray		TP Tamper-Proof Screws	
					RGBW30K RGB + White 3000K ⁽⁵⁾ ⁽⁷⁾ ⁽⁸⁾		5 Type V	GRNTX Textured Green		USB Duplex Receptacle with USB A and USB C ⁽¹⁹⁾ ⁽²⁰⁾	
					RGBW40K RGB + White 4000K ⁽⁵⁾ ⁽⁷⁾ ⁽⁸⁾		5S Type V Square	WHTX Textured White		USB IU Duplex Receptacle with USB A and USB C (While in Use) ⁽¹⁹⁾	
								CC Custom Color & Finish ⁽¹¹⁾ ⁽¹²⁾ ⁽¹³⁾			

Notes:

1. Consult factory for MOBB6 and square shape combination.

2. Available with round shape only.

3. Available with types 2, 2BLS, 3, 3BLS, 4, 4BLS and 5S distribution only.

4. Available for 22K, 27K, 30K, 35K, 40K and 57K color temperatures only.

5. Available with type 5 distribution only.

6. Consult factory for 5700K color temperature option.

7. Available with FR lens only.

8. Available with DMX/RDM and LT control options only.

9. CRI 70 available for 40K and 57K color temperatures only.

10. CRI 80 available for 22K, 27K, 30K, 35K and 40K color temperatures only.

11. Specify RAL number followed by "TX" for textured finish (ex: RAL9007TX) or STX for Sandtex finish (ex: RAL9007STX). Textured or Sandtex finishes are recommended for the durability of all products. If a finish is not specified with the RAL number (ex: RAL9007), a glossy finish will be provided. Please consult factory for other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.
12. Setup charges apply for RAL colors. Consult factory for details.

13. Longer lead times can be expected for custom RAL color finishes.

14. Available for RGBW30K and RGBW40K color options only.

15. Not available for 347V and 480V voltage options.

16. Lumentalk cannot be combined with a ground fault duplex receptacle (DRG or DRG IU).

17. Not available for 480V voltage option.

18. Not available with LT control option.

19. Only one duplex receptacle can be specified per fixture.

20. DRG and USB options are not suitable under the Canadian Electrical Code (CEC) for product installations in Canada. Only the DRG IU or USB IU are suitable for products installed in Canada.

21. Anchor bolts provided with double nuts, washers and template. One template provided for every 5 luminaires.