

PM-BL03

LED BOLLARD LIGHT SPECIFICATIONS



Job Information

Project Name	
Type	
Location	
Quantity	
Date	

DESCRIPTION

The BL03 is a high quality IP65 rated bollard light with a contemporary design. Its die-cast aluminum body, PC optical lens, and sophisticated surface finish transform and enhance the modern aesthetic of any landscape project.

Certified with an IP65 rating, BL03 can withstand tough conditions and is resistant to seawater and corrosion. The professional optical solution provides fully anti-glare, comfortable light uniformity, achieving a 10-meter wide diameter light distribution with a very narrow dark zone directly beneath the fixture. Support for smart controls, such as DALI, Bluetooth, and radar sensors, is also available.

OVERVIEW

- 180° or 360° beam angles available
- Bluetooth, or photocell sensor optional
- IP65 and IK08
- Excellent corrosion resistance
- Custom height of 10" to 39" available

PERFORMANCE

MODEL NAME	PM-BL03
POWER CONSUMPTION(±10%)	12W / 24W
INPUT VOLTAGE	100-277VAC, 50/60 HZ
LUMINOUS FLUX (±10%)	505Lm / 1162Lm
EFFICACY (4000K RA80)	42Lm/W / 48Lm/W
DIMMING	1-10V/DALI
CCT	3000K/4000K
CRI	>80
BEAM	180° / 360°
TOTAL LIGHT FLUX ABOVE 90°	<4%
CONTROL	Bluetooth/Photocell
POWER FACTOR	>0.9
FLICKER FACTOR	<5%
THD	<20%
MATERIAL	Aluminum Body, PC Lens
FINISH	Powder Coating
FIXTURE COLOR	Black/Silver
LUMINAIRE NET WEIGHT	2.55kG (5.62LBS) TO 5.7kG (12.56LBS)
PRODUCT DIMENSION	Ø7"x7"xH10"-39" (Ø177.8x177.8xH254-990.6 mm)
IP RATING	IP65
IK RATING	IK08
APPLICATIONS	Outdoor (Such Pathways, Park, etc)
OPERATION TEMPERATURE	-30°C TO +45°C (-22F TO +113F)
CERTIFICATIONS	cETL Listed
WARRANTY	5 Years
LIFESPAN OF LED @TA=25°C	50000 HOURS (Based On L70 Report)



SPECIFICATIONS

■ OPTICS

180° Beam angle and 360° beam angle photometric options are available.

■ ELECTRICAL

Voltage: 100-277 Vac, 50 / 60 Hz
Flicker Factor: <5%
THD: <20%
Power Factor: >0.9

■ ENVIRONMENT & CERTIFICATIONS

cETL listed for wet locations

■ WARRANTY

5 years limited warranty

■ CONTROL

- Photocell: Lights out 30 seconds after sunrise, lights on 5 seconds after sunset
- Bluetooth

■ FINISH

The powder-coated finish ensures a uniform appearance, offering long-term durability and superior aesthetics.

■ HOUSING MATERIAL

Die-cast aluminum housing ensures durability and efficiency with anticorrosion protection for harsh environments.

■ LED SYSTEM

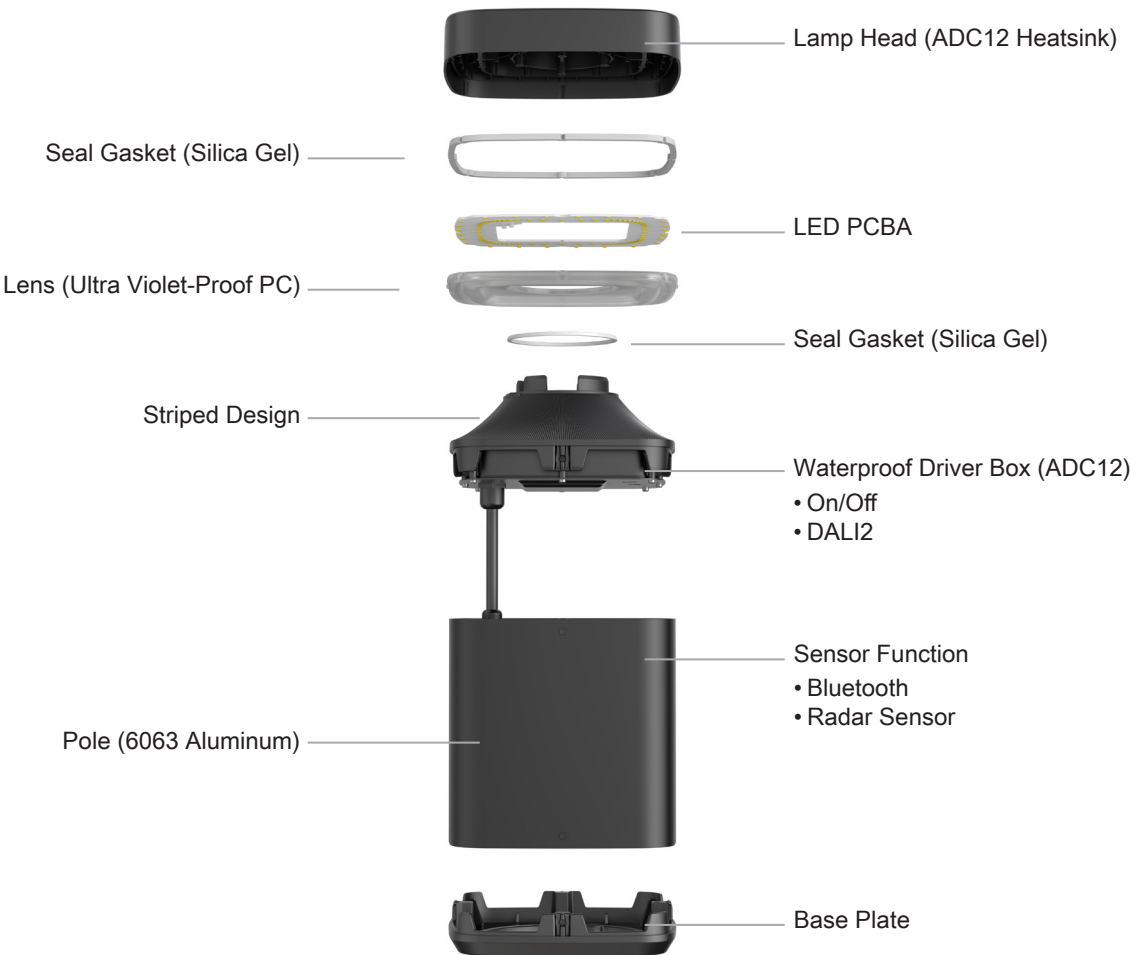
CRI With a 80+ color rendering index (CRI), this product delivers adequate illumination.

CCT 3000K or 4000K with excellent color consistency.

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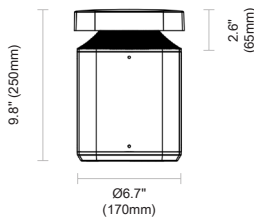
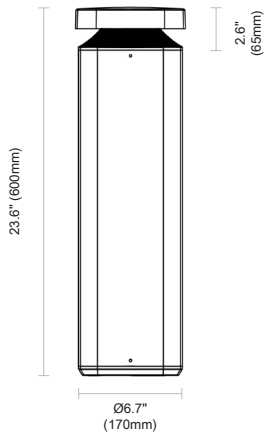
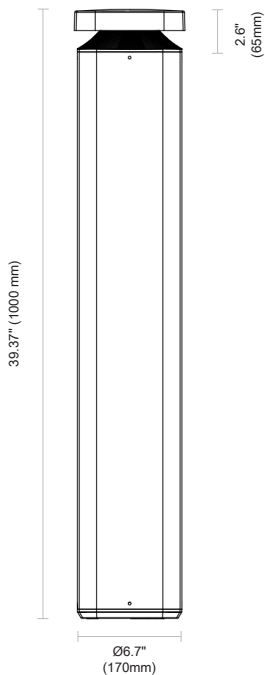
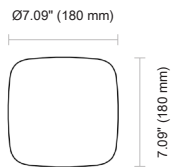
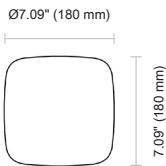
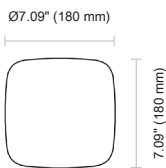
ASSEMBLY DRAWING



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LED BOLLARD LIGHT SPECIFICATIONS

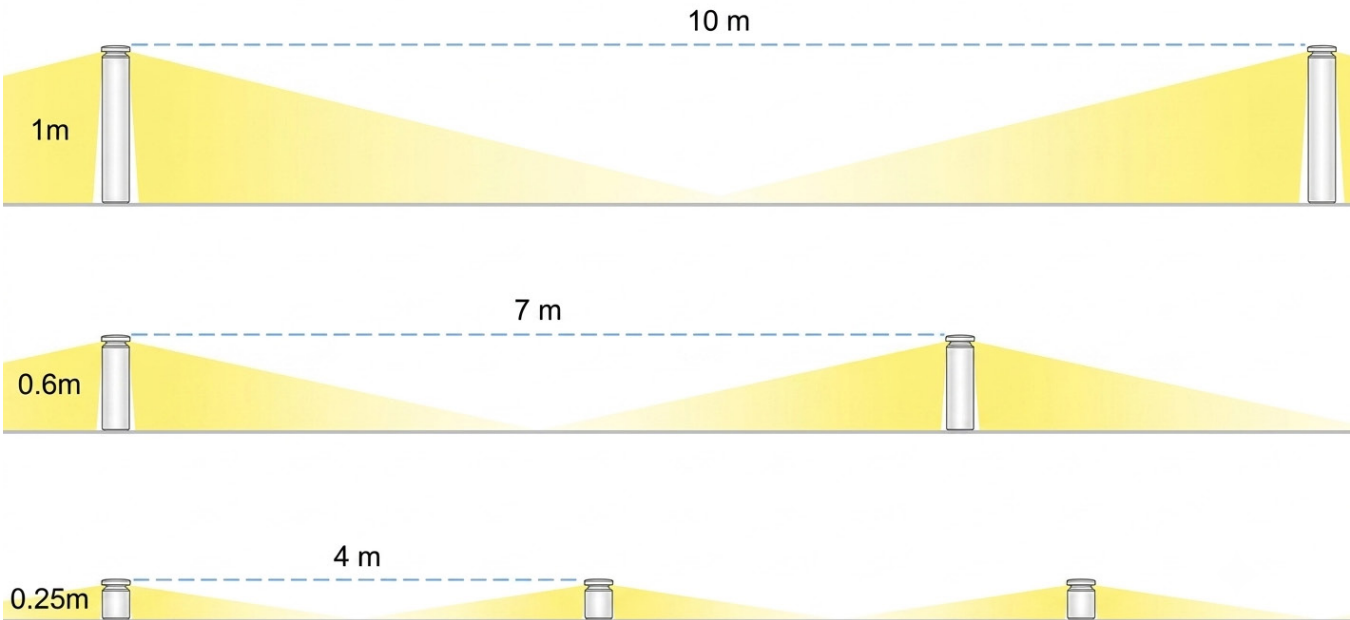
PRODUCT MODELS & DIMENSIONS



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LIGHTING COVERAGE BASED ON BOLLARD HEIGHT



FINISHING COLOR



Black



Silver

ACCESSORIES



Expansion Screw

Ø 0.47" x 2.36" (12x60mm)



IP68 Waterproof Connector

Ø 3.9" x 0.98" (99x25mm)

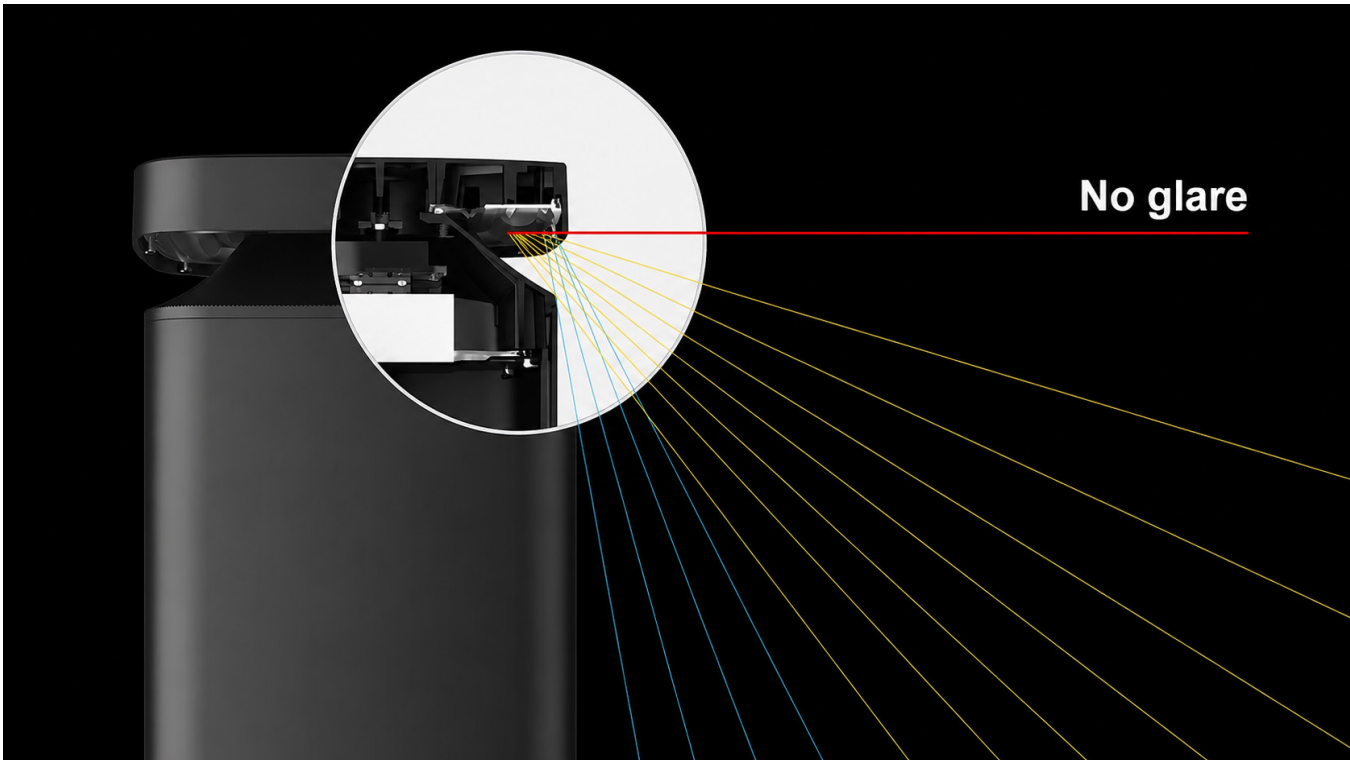


IP68 Waterproof Connector

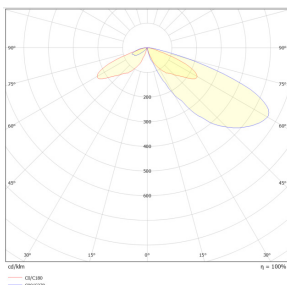
Ø 5.5" x 2.8" (140x72mm)

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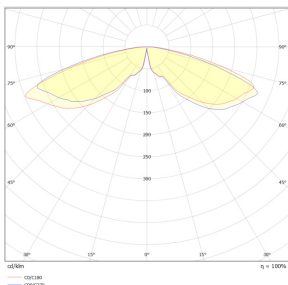
LED BOLLARD LIGHT SPECIFICATIONS



LIGHT DISTRIBUTION



180° Beam angle



360° Beam angle

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PRODUCT ORDERING GUIDE

EXAMPLE: PM-BL03-12-39-3000-180-D-B-PC

PM-BL03	-12	-39	-3000	-180	-D	-B	-PC
Series	Wattage	Height	CCT	Beam Angle	Dimming	Finish	Control Options

SERIES	WATTAGE	HEIGHT	CCT	BEAM ANGLE	DIMMING	FINISH	CONTROL OPTIONS
PM-BL03	12: 12W	10: 10 Inches	3000: 3000K	180: 180°	V: 1-10V	B: Black	PC: Photocell
	24: 24W	39: 39 Inches	4000: 4000K	360: 360°	D: DALI	S: Silver	BT: Bluetooth
		XX: 10 - 39 Inches			N: None		

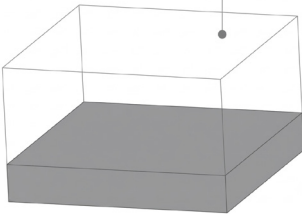
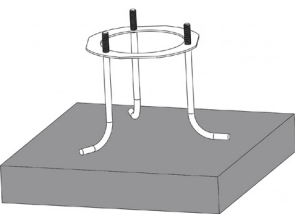
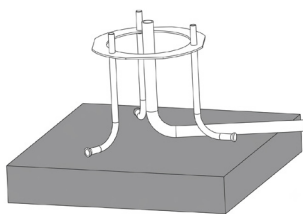
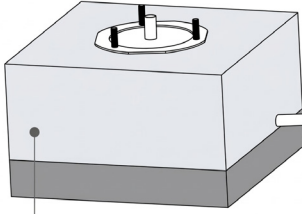
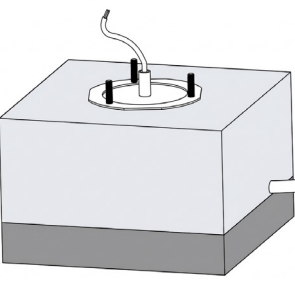
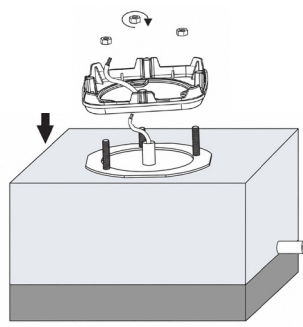
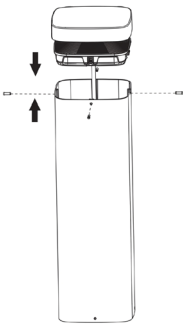
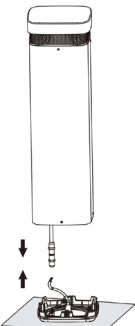
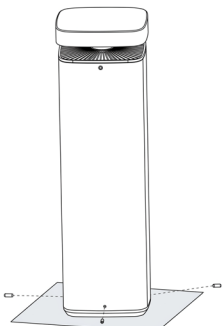


INSTALLATION INSTRUCTIONS - L-TYPE BRACKET

Please read these instructions carefully before commencing installation and retain for future reference. If in doubt, we advise that you consult a qualified electrician to install the product. These products must not be modified. If any modification is made it may invalidate the warranty and may render the product unsafe. All electrical installations must be carried out according to national electrical code & local regulations.

Important Safety Notes

1. Switch off the electricity at the mains before commencing installation (if a fuse box is used) remove the appropriate circuit fuse to avoid accidental switching on of the mains supply.
2. Connect to a 120-277V supply in accordance with relevant electrical standards.
3. Make sure all connections are tight with no loose strands.
4. Ensure fire regulations are not breached when fitting your lights.
5. If you are in any doubt regarding these instructions, consult a qualified electrician.

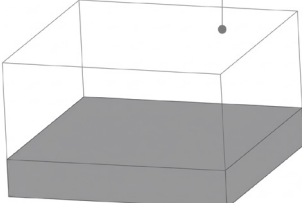
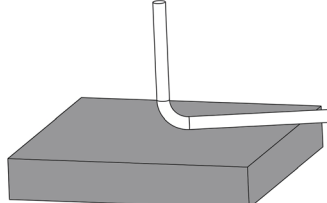
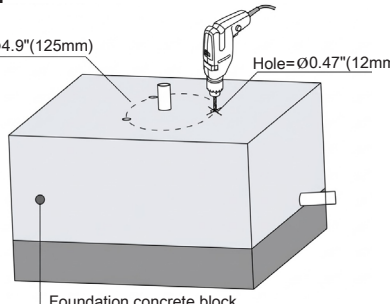
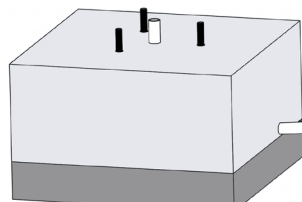
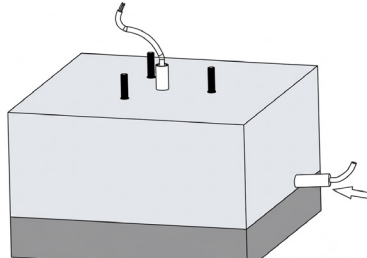
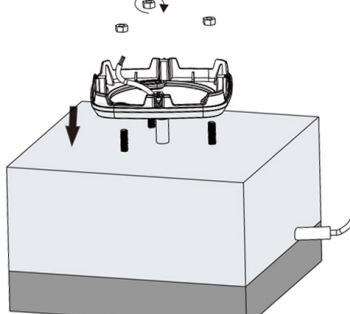
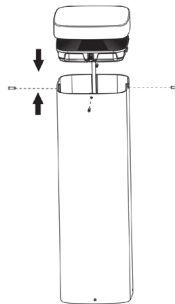
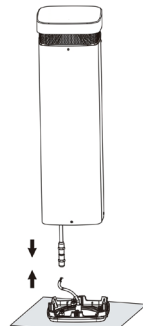
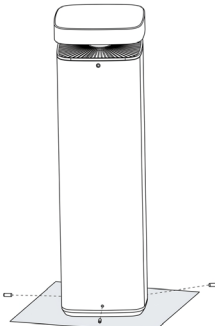
1 Minimum 11.8" x 11.8" x 5.9" (300x300x150mm)  Dig a hole with minimum size 11.8" x 11.8" x 5.9" (300x300x150mm)	2  Put the L-type bracket into the hole.	3  Install the conduit tube.
4  Foundation concrete block. Make sure the bracket plate is flat with ground.	5  Put the wire through conduit tube.	6  Fix the mounting plate to the L-type bracket.
7  Fix the bollard head and bollard tube.	8  AC 100-277V Connect the bollard wire to the electricity cable.	9  Fix the bollard tube onto the mounting base.

INSTALLATION INSTRUCTIONS - EXPANSION SCREWS

Please read these instructions carefully before commencing installation and retain for future reference. If in doubt, we advise that you consult a qualified electrician to install the product. These products must not be modified. If any modification is made it may invalidate the warranty and may render the product unsafe. All electrical installations must be carried out according to national electrical code & local regulations.

Important Safety Notes

1. Switch off the electricity at the mains before commencing installation (if a fuse box is used) remove the appropriate circuit fuse to avoid accidental switching on of the mains supply.
2. Connect to a 120-277V supply in accordance with relevant electrical standards.
3. Make sure all connections are tight with no loose strands.
4. Ensure fire regulations are not breached when fitting your lights.
5. If you are in any doubt regarding these instructions, consult a qualified electrician.

1 Minimum 11.8" x 11.8" x 5.9" (300x300x150mm)  Dig a hole with minimum size 11.8" x 11.8" x 5.9" (300x300x150mm)	2  Put the conduit tube.	3  Fix the conduit tube. Ground drilling (three equal parts on a 4.9" diameter circle, the hole diameter is 0.47".
4  The expansion screw should be flat with ground.	5  Put the wire through conduit tube.	6  Fix the mounting plate .
7  Fix the bollard head and bollard tube.	8  Connect the bollard wire to the electricity cable.	9  Fix the bollard tube onto the mounting base.