Standard Installation

TOOLS NEEDED:	
	1/8" Allen Wrench
	Waterproof Wire Connectors

Flammable **Warning** **Low Voltage** **Hot Surface**

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS IMPORTANT SAFETY INSTRUCTIONS

Lighted fixture is HOT!
WARNING - To reduce the risk of FIRE OR INJURY TO PERSONS:
Turn off/unplug and allow to cool before replacing lamp/LED. Fixture gets HOT quickly! Contact only switch/plug when turning on. Do not touch hot lens, guard, or enclosure. Keep fixture away from materials that may burn. Do not operate the luminaire fitting with a missing or damaged shield. Do not touch the source at any time. Use a soft cloth or gloves. Oil from skin may cause damage.

SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS

- Product must be installed by a qualified person in a manner consistent with its intended use and in compliance with the National Electrical Code, Canadian Electrical Code, and all Local and Provincial Codes.

- Follow product label information and instructions.

- Qualified Personnel with appropriate personal protective equipment must perform all servicing of this product.

- Before wiring to power supply and during servicing, turn off and lock out power at fuse or circuit breaker before service.

- The use of accessory equipment not recommended by the manufacturer or installed contrary to instructions may cause an unsafe condition. The use of damaged components may cause an unsafe condition and void product warranty.

- Do not block light emanating from product in whole or part, as this may cause an unsafe condition.

- Never operate the fixture with missing or damaged lens. Lens must be cleaned on regular basis.

- Entire fixture may become extremely hot. Do not touch hot lens or fixture body.

- Replace LED assembly only with correct wattage and type of power supply appropriate for LED assembly.

- All gaskets, o-rings and sealing surfaces must be kept clean during installation and service; failure to do this may cause an unsafe condition and void product warranty.

IMPORTANT LISTINGS AND CERTIFICATIONS

· **Suitable for wet locations**

Heavy Duty Mounting Ring

Canopy

⚠ REMOTE WIRING

LED Driver
Remote driver installations require inter-connected wiring between the LED and driver (not included). Drivers have specific wiring requirements between these components. Driver manufacturers regularly recommend the following wiring details for such installations:

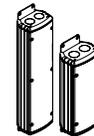- Do not exceed 50 foot overall wiring distance using 12 gauge copper wire.

Failure to comply with specific wiring requirements will void product warranty.
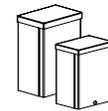
⚠ **DRIVER HOUSING REQUIRED**
Please refer to specified remote driver housing documentation for detailed installation instructions.
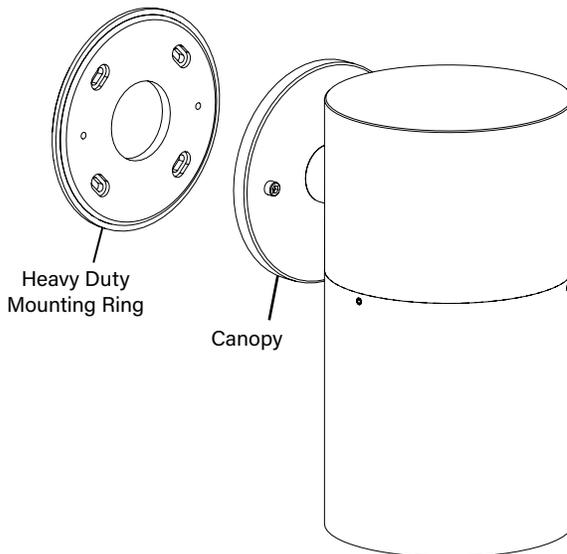
REMOTE DRIVER HOUSINGS:
PM3RM - Universal Power Module 3 Remote
PM3DRM - Universal Power Module 3 Dual Remote
RM - Remote Wall Mount
DRM - Dual Remote Wall Mount

PM3RM & PM3DRM   **RM & DRM**

IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE THESE INSTALLATION INSTRUCTIONS

Standard Installation
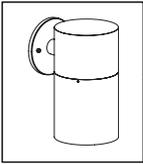

Phase 1 - Rough In
Installation of Back box
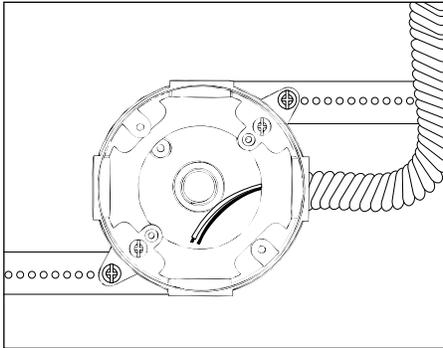
⚠ Additional Info

- Please follow National and Local electrical codes for your area.
- 4" round cast box is provided with five (5) 1/2" threaded hubs for conduit entry (4 on sides and one on back of box).
- Suitable for through wire.
- Suitable for installation into combustible materials.
- Rated for 90° C.
- Junction box, universal mounting ring screws, box mounting hardware and gaskets (not included).

1. Install conduit (not included) to be used with this product.
2. Install junction box (not included) so that front face is flush with finished wall. Seal building envelope as per NEC.
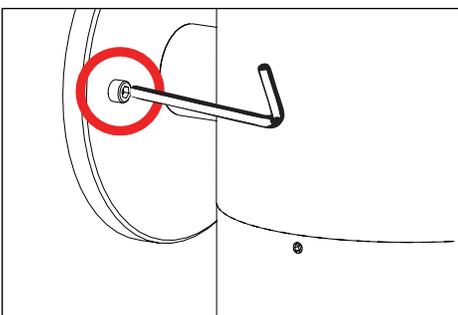3. Connect box to conduit and pull wires for connections **(See wiring diagram)**.

Phase 2 - Finish Installation of Fixture

WIRING DIAGRAM

⚠ **For use with 34-57 watt dimming driver.**
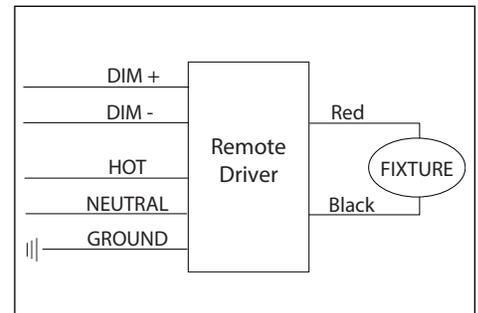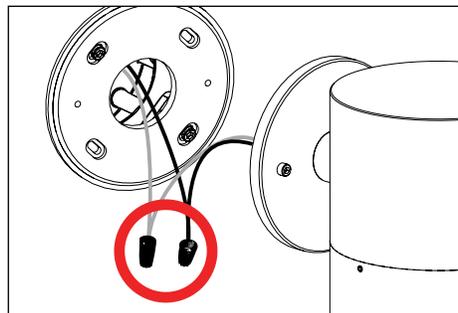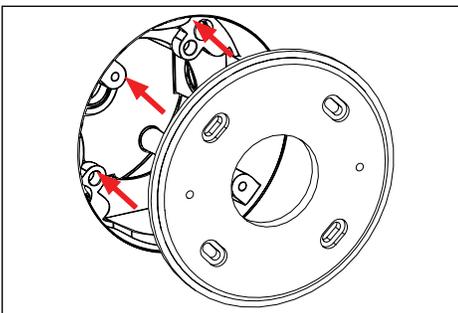
1. Install heavy duty mounting ring (mounting ring supplied with fixture) using mounting hardware (not included) onto back box. Align fixture mounting holes to final mounting position.
2. Make connections from remote driver and external dimming controls to fixture and module leads using proper wire connectors (not included). Number of wires and connections varies with wiring as per lighting plan. **See wiring diagrams.**

3. Mount fixture using two (2) #10-24 hex screws to installed back box using a 1/8" allen wrench.

⚠ **Seal building envelope as per NEC. Do not overtighten.**

IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS

c ⓤ US

Replacement

TOOLS NEEDED:		
	⟍	5/32" Allen Wrench
	✎	Phillips Screwdriver
	✎	Small Pick Tool
	✎	Thermal Paste (Supplied)

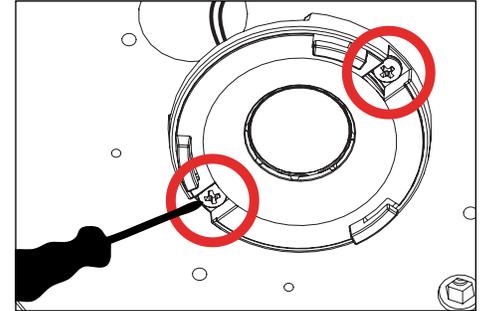**Flammable** **Warning** **High Voltage** **Hot Surface**
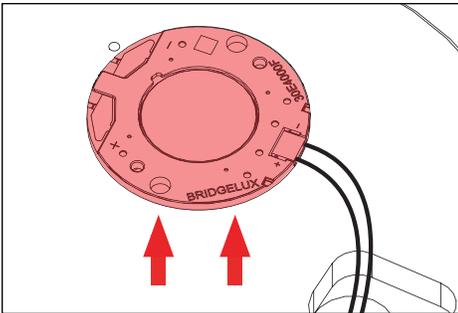
To Replace Components
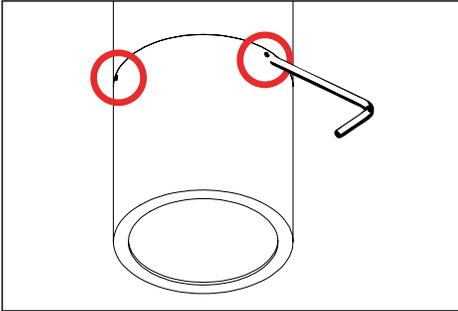
1. Loosen three (3) #10-32 stainless steel set screws on cap with a 5/32" allen wrench. Retain screws in cap.
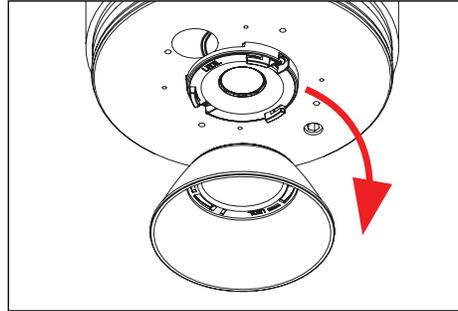
2. Remove optic by turning to the left to unlock optic from optic holder tabs, and lift up.
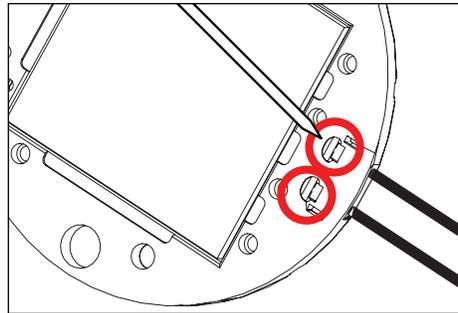

3. Unscrew #4-40 phillips fasteners on optic holder using phillips screwdriver. Grasp optic holder and gently pull upward to remove.
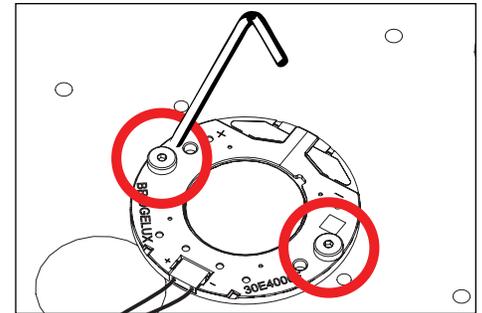

4. Carefully remove LED module from heatsink.

⚠ **Do not pull on connector or wiring. Handle with care.**

5. Use small pick tool to push connector off LED board through two small slots behind connector. Once loose, lift connector upwards and off board.

⚠ **Fragile! Do not pull on connector or wiring. Handle with care.**

6. Spread thin, even layer of thermal paste on back of new LED module. Place new LED module onto heatsink, lining up module with holes for screws. Tighten two (2) #4-40 screws using a .050" allen wrench to secure LED module to heatsink.
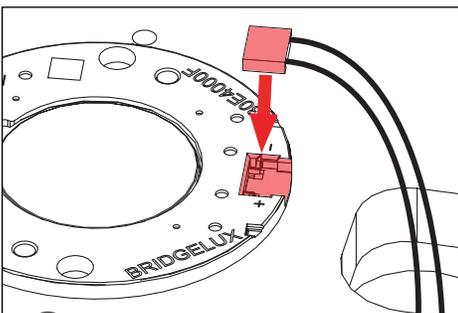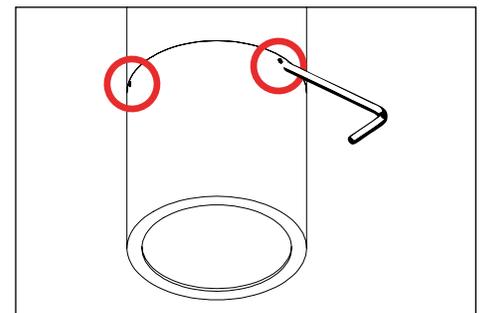

7. Place new LED module onto heatsink. Press connector straight downwards into slot on module to snap into place.

⚠ **Connector will only fit in one direction.**
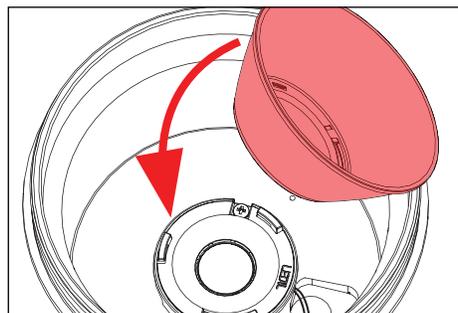
8. Reverse install optic holder, and then optic.

9. Place cap on fixture and tighten set screw. Tighten screw to 1/2 in-lbs. Top of screw should sit flush with fixture cap.

⚠ **Warning: Do not over tighten set screw. Doing so will compromise o-ring seal and will void warranty. Cap should be able to rotate without force.**

IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE THESE INSTALLATION INSTRUCTIONS
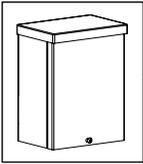
B-K LIGHTING

RELEASE DATE	REFERENCE NUMBER
05/15/2023	INS-2189-00

NEMA 3R REMOTE POWER SUPPLY
LED

Standard Instructions

TOOLS NEEDED:	
	1/8" Allen Wrench
	Phillips Screwdriver
	Level
	Hammer
	Mounting Hardware

Flammable **Warning** **High Voltage** **Hot Surface**

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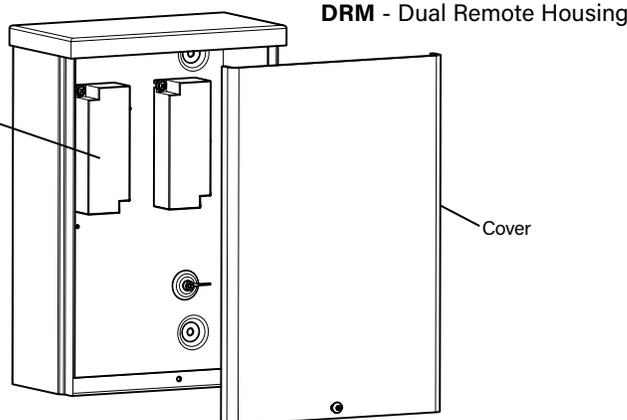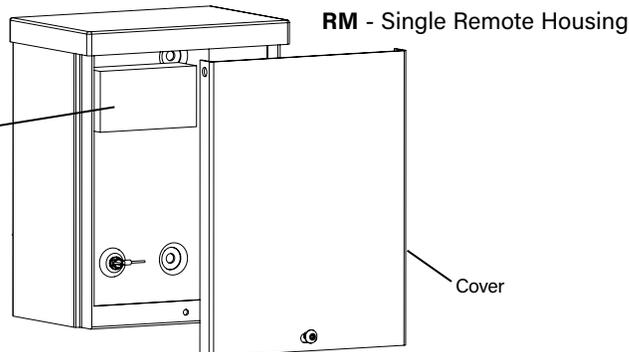
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- Entire fixture may become extremely hot. Do not touch hot lens or fixture body.

- Replace LED assembly only with correct wattage and type of power supply appropriate for LED assembly.

- All gaskets, o-rings and sealing surfaces must be kept clean during installation and service; failure to do this may cause an unsafe condition and void product warranty.

IMPORTANT LISTINGS AND CERTIFICATIONS

· **Suitable for wet locations**

RM - Single Remote Housing

Power Supply (Power Supply Will Vary by Product)

Cover

Waterproof Wire Connectors

DRM - Dual Remote Housing

Dual Power Supply (Power Supply Will Vary by Product)

Cover

⚠ REMOTE WIRING

LED Driver
Remote driver installations require inter-connected wiring between the LED and driver (not included). Drivers have specific wiring requirements between these components. Driver manufacturers regularly recommend the following wiring details for such installations:

· Do not exceed 50 foot overall wiring distance using 12 gauge copper wire.

Failure to comply with specific wiring requirements will void product warranty.

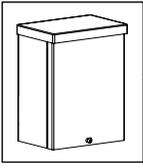## IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE THESE INSTALLATION INSTRUCTIONS
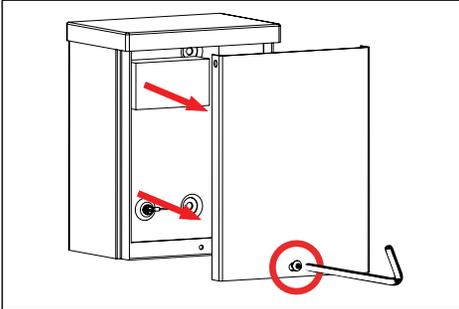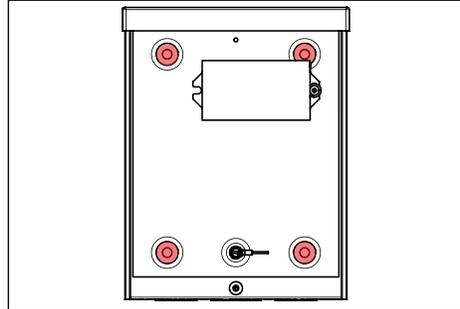
B-K LIGHTING

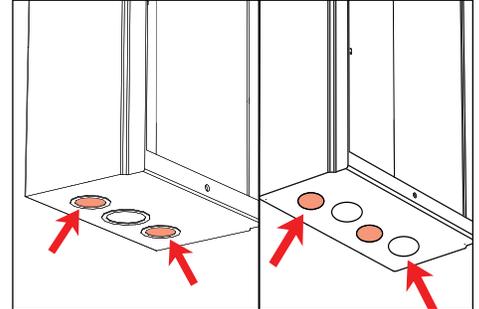# NEMA 3R REMOTE POWER SUPPLY
LED

Standard Instructions

Housing Installation

1. Remove cover by removing #10-24 cover screw using a 1/8″ allen wrench.

2. Attach the NEMA 3R housing at mounting holes with ¼″ fasteners. Use suitable mounting hardware for surface. Use level to ensure a level install.

   ⚠ **NOTE: Many methods exist to bolt to a flat surface. The housing is provided with mounting brackets with ¼″ holes.**

3. Remove knockout(s) with hammer as needed from the NEMA 3R housing. Leave remaining unused knockouts in place to maintain seal.
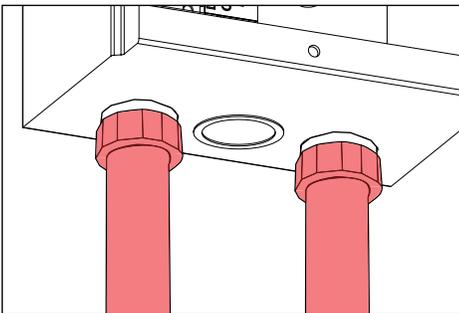
4. Connect conduit connector through female threaded conduit entry.

   ⚠ **NOTE: Surface conduit is a common entrance for water if not properly sealed. Seal connector threads and conduit with a suitable sealant (teflon tape, adhesive, etc.). Sealing the conduit after knockouts are removed is required to maintain warranty.**
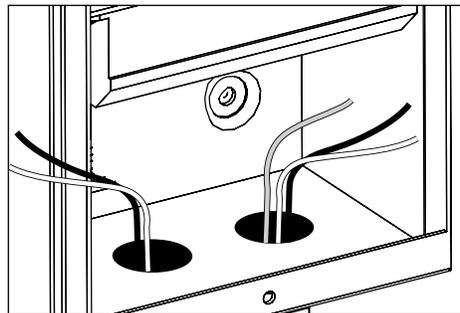
5. Pull branch circuit wiring necessary for installation.

6. Pull secondary lamp leads necessary for installation though dedicated conduit.

   ⚠ **NOTE: Failure to comply with specific wiring requirements will void product warranty.**
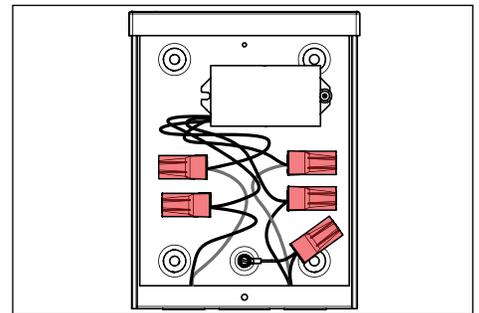
7. Make connections using waterproof wire connectors (included) to driver and to ground wire on NEMA 3R housing. See attached label for additional information.

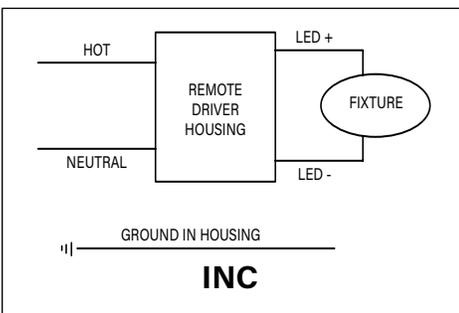   ⚠ **Number of connections may vary depending of driver quantity and wiring control selected. See wiring diagram.**

INC — HOT, LED +, REMOTE DRIVER HOUSING, FIXTURE, NEUTRAL, LED -, GROUND IN HOUSING

DIAGRAM - INC

010v (Dimming) — DIM +, DIM -, HOT, NEUTRAL, REMOTE DRIVER HOUSING, FIXTURE, LED +, LED -, GROUND IN HOUSING
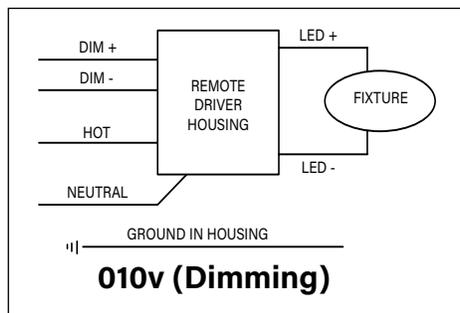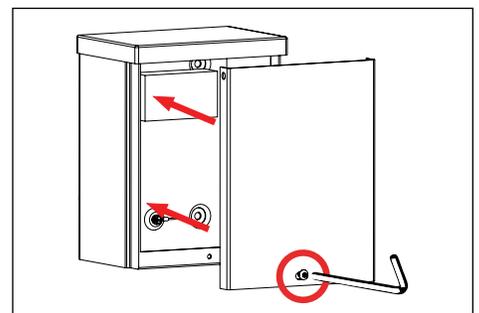
DIAGRAM - 010V (Dimming)

8. Re-attach cover. Tighten cover screw.

IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
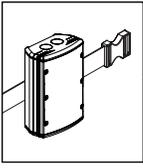**READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS**

PM3RM TREE STRAP
DRIVER HOUSING

Standard Installation

TOOLS NEEDED:	
	1/8" Allen Wrench
	Waterproof Wire Connectors
	Hammer
	Phillips Screwdriver

Flammable **Warning** **High Voltage** **Hot Surface**

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS IMPORTANT SAFETY INSTRUCTIONS

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- Qualified Personnel with appropriate personal protective equipment must perform all servicing of this product.

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- The use of accessory equipment not recommended by the manufacturer or installed contrary to instructions may cause an unsafe condition. The use of damaged components may cause an unsafe condition and void product warranty.

- Do not block light emanating from product in whole or part, as this may cause an unsafe condition.

- Never operate the fixture with missing or damaged lens. Lens must be cleaned on regular basis.

- Entire fixture may become extremely hot. Do not touch hot lens or fixture body.

- Replace LED assembly only with correct wattage and type of power supply appropriate for LED assembly.

- All gaskets, o-rings and sealing surfaces must be kept clean during installation and service; failure to do this may cause an unsafe condition and void product warranty.

IMPORTANT LISTINGS AND CERTIFICATIONS
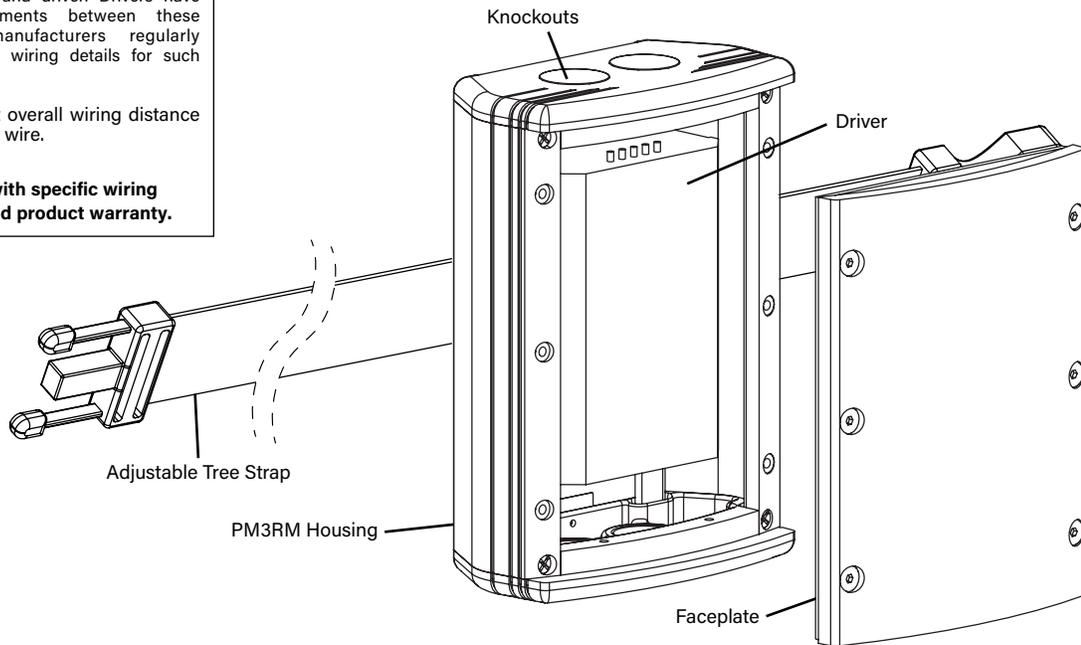
· **Suitable for wet locations**

⚠ REMOTE WIRING

LED Driver
Remote driver installations require inter-connected wiring between the LED and driver. Drivers have specific wiring requirements between these components. Driver manufacturers regularly recommend the following wiring details for such installations:

- Do not exceed 50 foot overall wiring distance using 12 gauge copper wire.

Failure to comply with specific wiring requirements will void product warranty.

Knockouts

Driver

Adjustable Tree Strap

PM3RM Housing

Faceplate

* UPM is covered in whole or in part by US patent #6,940,012

IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE THESE INSTALLATION INSTRUCTIONS
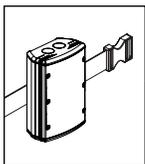
B-K LIGHTING

RELEASE DATE	REFERENCE NUMBER
05/15/2023	INS-2861-00

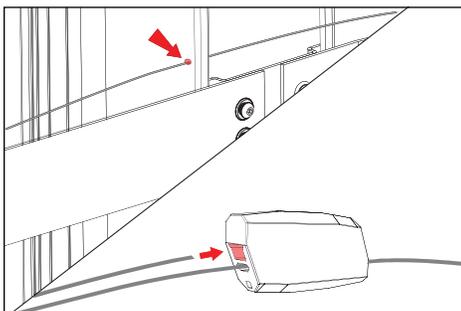1. Loosen six (6) #10-24 captive screws using a 1/8" allen wrench to remove faceplate of UPM housing.

2. Remove patented knockout(s) as necessary from the inside of the UPM housing. Leave remaining unused knockouts in place to maintain seal.
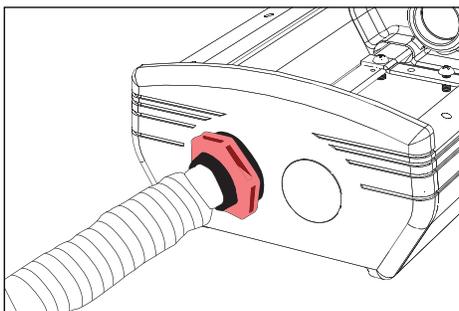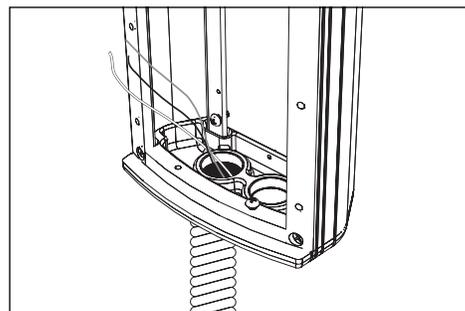
⚠ **NOTE: Patented design featuring a silicone o-ring allowing knockout to be tapped back into place to renew seal integrity.**

3. Use adjustable strap provided to attach UPM housing to tree. Tighten by pulling on the adjustable strap until secure.

4. Thread safety cable through hole on the back of the UPM housing. Feed safety cable through opposing ends of the connector. Pull on wires to assure the connection is secure. Leave enough slack in safety cable for tree growth. Adjustments can be made by pressing release spring with a pin or a 3/64" allen tool.
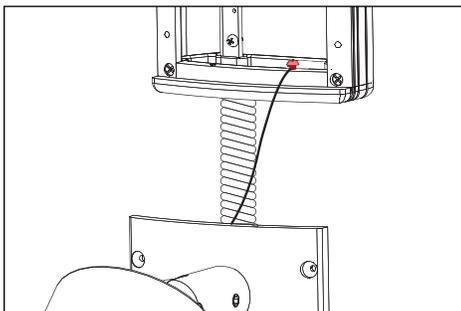

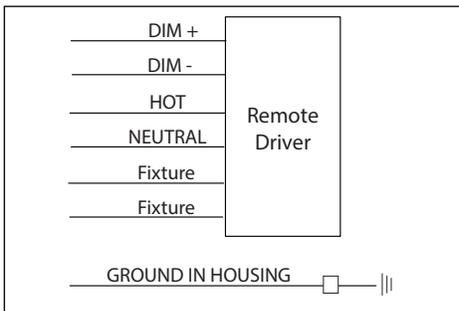5. Connect 3/4" conduit connector through female threaded conduit entry.

⚠ **NOTE: Surface conduit is a common entrance for water if not properly sealed. Seal connector threads and conduit pipe with a suitable sealant (teflon tape, adhesive, etc). Sealing the conduit after knockouts are removed is required to maintain warranty.**
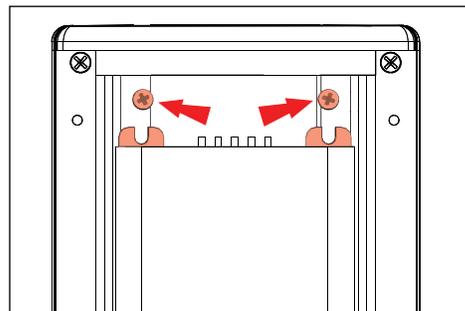

6. Pull branch circuit wiring and dimming control wiring necessary for installation.

7. Attach tether wire under screw head at the base of the UPM housing and tighten. Slowly lower the faceplate until tether is taut.

⚠ **NOTE: Faceplate tether supplied with UPM is designed as an installation aid and NOT a safety cable. Do not add weight to, or drop faceplate.**

	Remote Driver
DIM +	
DIM -	
HOT	
NEUTRAL	
Fixture	
Fixture	
GROUND IN HOUSING ———☐—‖|	

WIRING DIAGRAM

8. Use waterproof wire connectors to connect driver primary leads to branch circuit wires. Connect incoming ground to ground wire provided in UPM housing. Connect incoming dimming control wires to driver dimming controls. **See wiring diagram.**

9. Remove two (2) #8-32 screws in UPM housing using phillips screwdriver.

IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
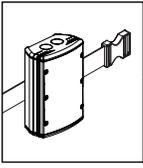**READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS**

c(UL)us

10. Slide driver feet under two screws in UPM housing and tighten screws using Phillips screwdriver.

11. Reinstall #8-32 screws on other side of driver and tighten to secure driver to UPM housing.

12. Make sure UPM housing gasket is free of any dirt or debris. Attach the faceplate by tightening the six (6) #10-24 captive screws evenly using a 1/8" allen wrench.

IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
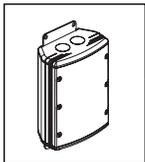**READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS**

PM3RM SURFACE MOUNT
DRIVER HOUSING

Standard Installation

Flammable   **Warning**   **High Voltage**   **Hot Surface**

TOOLS NEEDED:	
	1/8" Allen Wrench
	Waterproof Wire Connectors
	Hammer
	Phillips Screwdriver
	1/4" Drill Bit and Drill
	Mounting Hardware

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- The use of accessory equipment not recommended by the manufacturer or installed contrary to instructions may cause an unsafe condition. The use of damaged components may cause an unsafe condition and void product warranty.

- Do not block light emanating from product in whole or part, as this may cause an unsafe condition.

- Never operate the fixture with missing or damaged lens. Lens must be cleaned on regular basis.

- Entire fixture may become extremely hot. Do not touch hot lens or fixture body.

- Replace LED assembly only with correct wattage and type of power supply appropriate for LED assembly.

- All gaskets, o-rings and sealing surfaces must be kept clean during installation and service; failure to do this may cause an unsafe condition and void product warranty.

IMPORTANT LISTINGS AND CERTIFICATIONS
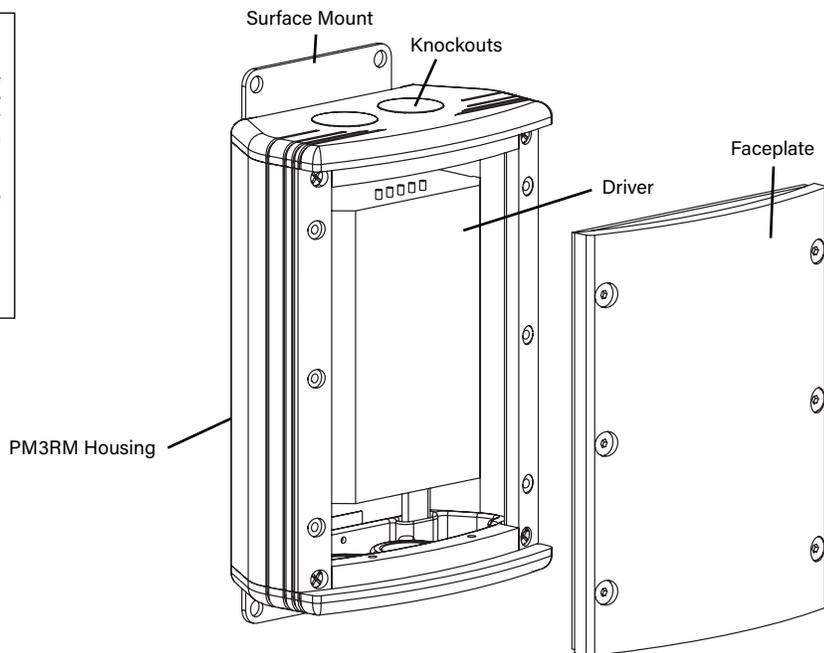
· **Suitable for wet locations**

⚠ REMOTE WIRING

LED Driver
Remote driver installations require inter-connected wiring between the LED and driver. Drivers have specific wiring requirements between these components. Driver manufacturers regularly recommend the following wiring details for such installations:

- Do not exceed 50 foot overall wiring distance using 12 gauge copper wire.

Failure to comply with specific wiring requirements will void product warranty.

Surface Mount

Knockouts

Driver

Faceplate

PM3RM Housing

* UPM is covered in whole or in part by US patent #6,940,012

IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE THESE INSTALLATION INSTRUCTIONS
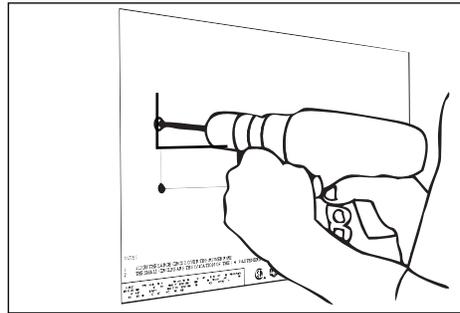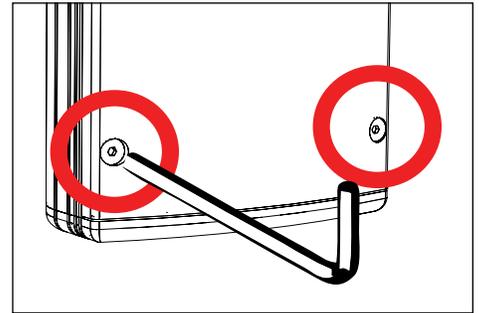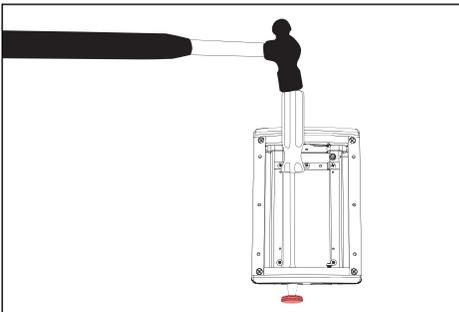
Standard Installation

1. Prepare final mounting position according to designed lighting plan.

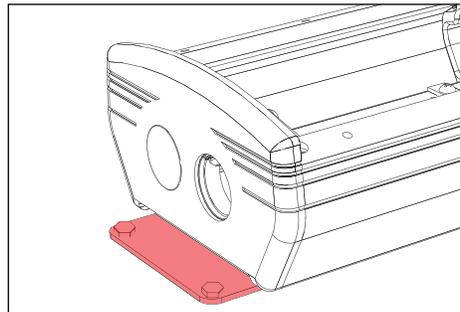2. Drill holes into surface for ¼" fasteners on locations required for mounting via tabs.

3. Loosen six (6) #10-24 captive screws using a 1/8" allen wrench to remove faceplate of UPM housing.
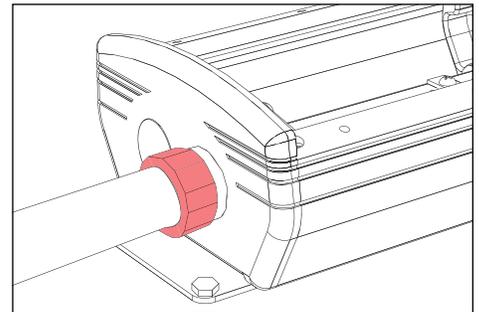

4. Remove patented knockout(s) as necessary from the inside of the UPM housing. Leave remaining unused knockouts in place to maintain seal.

⚠ **NOTE: Patented design featuring a silicone o-ring allowing knockout to be tapped back into place to renew seal integrity.**
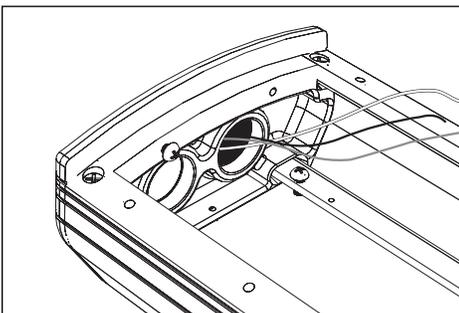

5. Attach the UPM housing at mounting brackets with ¼" fasteners. Use suitable mounting hardware for surface.

⚠ **NOTE: Many methods exist to bolt to a flat surface. The fixture is provided with mounting brackets with ¼" holes.**
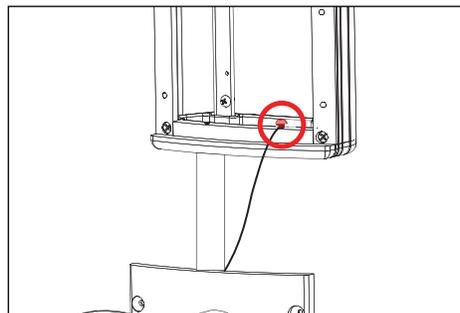

6. Connect 3/4" conduit connector through female threaded conduit entry.

⚠ **NOTE: Surface conduit is a common entrance for water if not properly sealed. Seal connector threads and conduit with a suitable sealant (teflon tape, adhesive, etc.). Sealing the conduit after knockouts are removed is required to maintain warranty.**
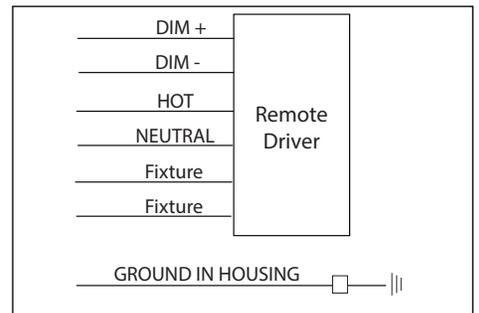

7. Pull branch circuit wiring and dimming control wiring necessary for installation.

8. Attach tether wire under screw head at the base of the UPM housing and tighten. Slowly lower the faceplate until tether is taut.

⚠ **NOTE: Faceplate tether supplied with UPM is designed as an installation aid and NOT a safety cable. Do not add weight to, or drop faceplate.**

DIM +	
DIM -	
HOT	Remote Driver
NEUTRAL	
Fixture	
Fixture	
GROUND IN HOUSING	

WIRING DIAGRAM

9. Use waterproof wire connectors to connect driver primary leads to branch circuit wires. Connect incoming ground to ground wire provided in UPM housing. Connect incoming dimming control wires to driver dimming controls. **See wiring diagram.**

IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS

c ⓤ US

B-K LIGHTING

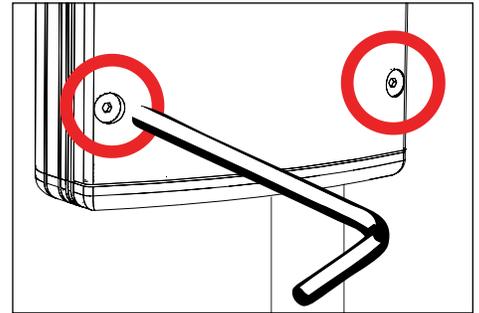| RELEASE DATE | REFERENCE NUMBER |
| 05/15/2023 | INS-2861-00 |

10. Remove two (2) #8-32 screws in UPM housing using phillips screwdriver.

11. Slide driver feet under two screws in UPM housing and tighten screws using phillips screwdriver.

12. Reinstall two (2) #8-32 screws on other side of driver and tighten to secure driver to UPM housing.

13. Make sure UPM housing gasket is free of any dirt or debris. Attach the faceplate by tightening the six (6) #10-24 captive screws evenly using a 1/8″ allen wrench.

IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
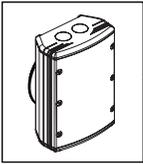**READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS**

PM3RM ROUND CAMLOCK
DRIVER HOUSING

Standard Installation

TOOLS NEEDED:	
	1/8" & 9/64" Allen Wrench
	Waterproof Wire Connectors
	Phillips Screwdriver
	Level

Flammable   **Warning**   **High Voltage**   **Hot Surface**

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS IMPORTANT SAFETY INSTRUCTIONS

Lighted fixture is HOT!
WARNING - To reduce the risk of FIRE OR INJURY TO PERSONS:
Turn off/unplug and allow to cool before replacing lamp/LED. Fixture gets HOT quickly! Contact only switch/plug when turning on. Do not touch hot lens, guard, or enclosure. Keep fixture away from materials that may burn. Do not operate the luminaire fitting with a missing or damaged shield. Do not touch the source at any time. Use a soft cloth or gloves. Oil from skin may cause damage.

SAVE THESE INSTRUCTIONS

## IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS

• Product must be installed by a qualified person in a manner consistent with its intended use and in compliance with the National Electrical Code, Canadian Electrical Code, and all Local and Provincial Codes.

• Follow product label information and instructions.

• Qualified Personnel with appropriate personal protective equipment must perform all servicing of this product.

• Before wiring to power supply and during servicing, turn off and lock out power at fuse or circuit breaker before service.

• The use of accessory equipment not recommended by the manufacturer or installed contrary to instructions may cause an unsafe condition. The use of damaged components may cause an unsafe condition and void product warranty.

• Do not block light emanating from product in whole or part, as this may cause an unsafe condition.

• Never operate the fixture with missing or damaged lens. Lens must be cleaned on regular basis.

• Entire fixture may become extremely hot. Do not touch hot lens or fixture body.

• Replace LED assembly only with correct wattage and type of power supply appropriate for LED assembly.

• All gaskets, o-rings and sealing surfaces must be kept clean during installation and service; failure to do this may cause an unsafe condition and void product warranty.

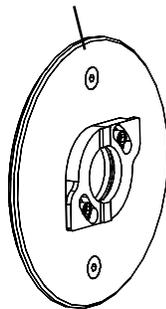## IMPORTANT LISTINGS AND CERTIFICATIONS

· **Suitable for wet locations**

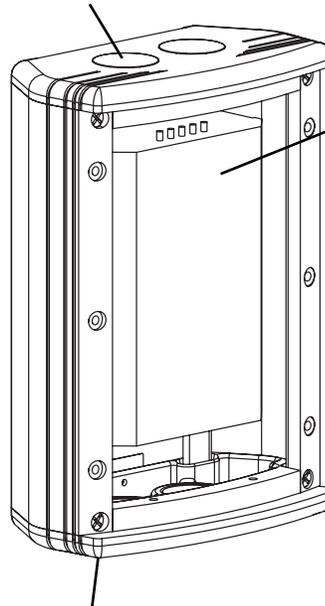* UPM is covered in whole or in part by US patent #6,940,012
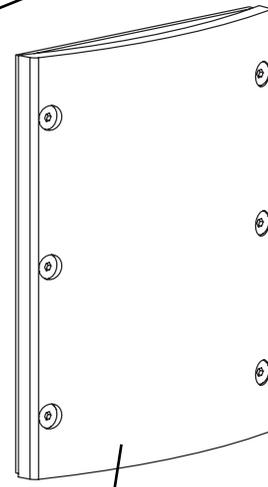

Universal Mounting Ring
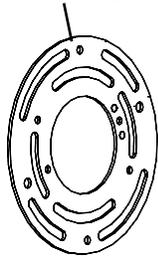
CamLock

Knockouts

Driver

PM3RM Housing

Faceplate

⚠ REMOTE WIRING

LED Driver
Remote driver installations require inter-connected wiring between the LED and driver. Drivers have specific wiring requirements between these components. Driver manufacturers regularly recommend the following wiring details for such installations:

▪ Do not exceed 50 foot overall wiring distance using 12 gauge copper wire.

Failure to comply with specific wiring requirements will void product warranty.

IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE THESE INSTALLATION INSTRUCTIONS
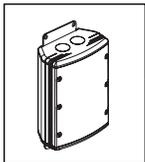
B-K LIGHTING

RELEASE DATE	REFERENCE NUMBER
05/15/2023	INS-2861-00

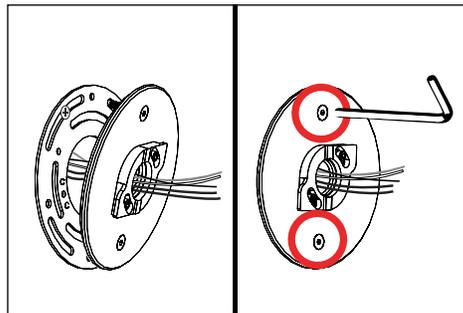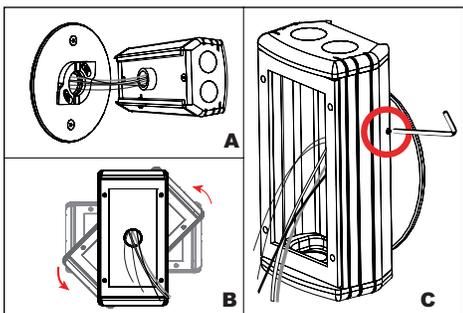*Standard Installation*

1. Install standard 4″ octagonal/round recessed junction box in the final fixture location according to designed lighting plan.

2. Pull branch circuit wiring and dimming control wiring necessary for installation.
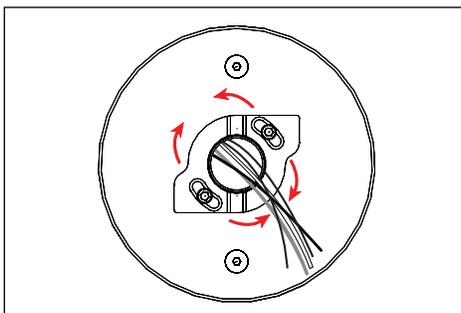

Horizontal   **Vertical**

3. Install universal mounting ring.

⚠ **IMPORTANT!! Orientation of universal ring will affect orientation of UPM! Take note of mounting plate holes (indicated with arrows) on the universal ring holes to mount UPM in correct orientation.**
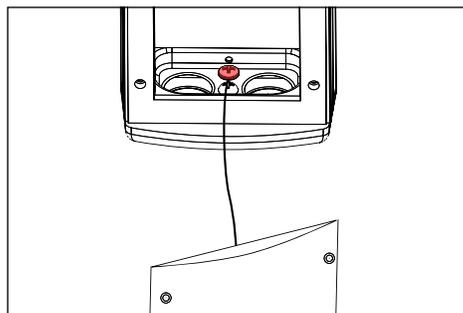

4. Feed branch circuit wiring and dimming control wiring through mounting plate with CamLock assembly. Attach mounting plate with included two (2) #10-24 stainless steel hex drive fasteners to universal ring using a 1/8″ allen wrench.
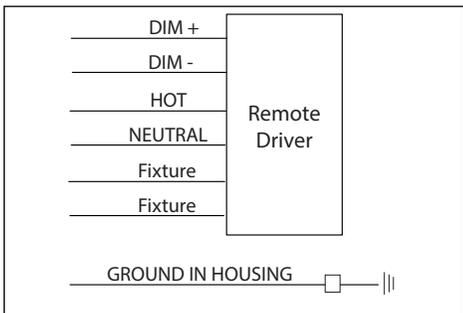

A

B

C

5. Feed branch circuit wiring and dimming control wiring into UPM housing. Install housing on CamLock at 90° to finished orientation as shown (Figure A).

6. Rotate housing 90° counter-clockwise (Figure B). Tighten set screw with a 5/64″ allen wrench on outside of UPM housing to lock in place (Figure C).

7. If UPM housing is not level, remove UPM housing; loosen but **DO NOT REMOVE** two (2) #8-32 screws with a 9/64″ allen wrench on CamLock assembly. Adjust CamLock assembly up to 30° as needed to level. Tighten the screws and reattach UPM housing.
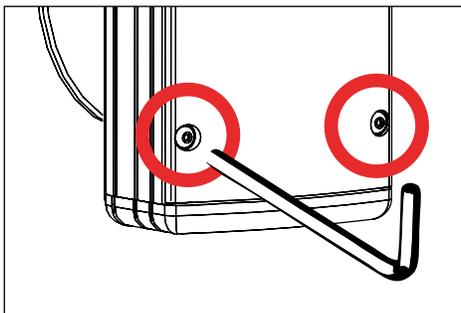

8. Attach tether wire under screw head at the base of the UPM housing. Slowly lower the faceplate until tether is taut.

⚠ **NOTE: Faceplate tether supplied with UPM is designed as an installation aid and NOT a safety cable. Do not add weight to, or drop faceplate.**

DIM +	
DIM -	
HOT	Remote Driver
NEUTRAL	
Fixture	
Fixture	
GROUND IN HOUSING	

WIRING DIAGRAM

9. Use waterproof wire connectors to connect driver primary leads to branch circuit wires. Connect incoming ground to ground wire provided in UPM housing. Connect incoming dimming control wires to driver dimming controls **See wiring diagram.**

10. Make sure UPM housing gasket is free of any dirt or debris. Attach the faceplate by tightening the six (6) #10-24 captive screws evenly using a 1/8″ allen wrench.

**IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
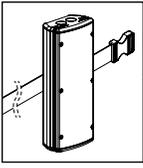READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS**

c(UL)us

PM3DRM TREE STRAP
DRIVER HOUSING

Standard Installation

TOOLS NEEDED:	
	1/8" Allen Wrench
	Waterproof Wire Connectors
	Hammer
	Phillips Screwdriver

Flammable   **Warning**   **High Voltage**   **Hot Surface**

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS IMPORTANT SAFETY INSTRUCTIONS

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SAVE THESE INSTRUCTIONS

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• Never operate the fixture with missing or damaged lens. Lens must be cleaned on regular basis.

• Entire fixture may become extremely hot. Do not touch hot lens or fixture body.

• Replace LED assembly only with correct wattage and type of power supply appropriate for LED assembly.

• All gaskets, o-rings and sealing surfaces must be kept clean during installation and service; failure to do this may cause an unsafe condition and void product warranty.

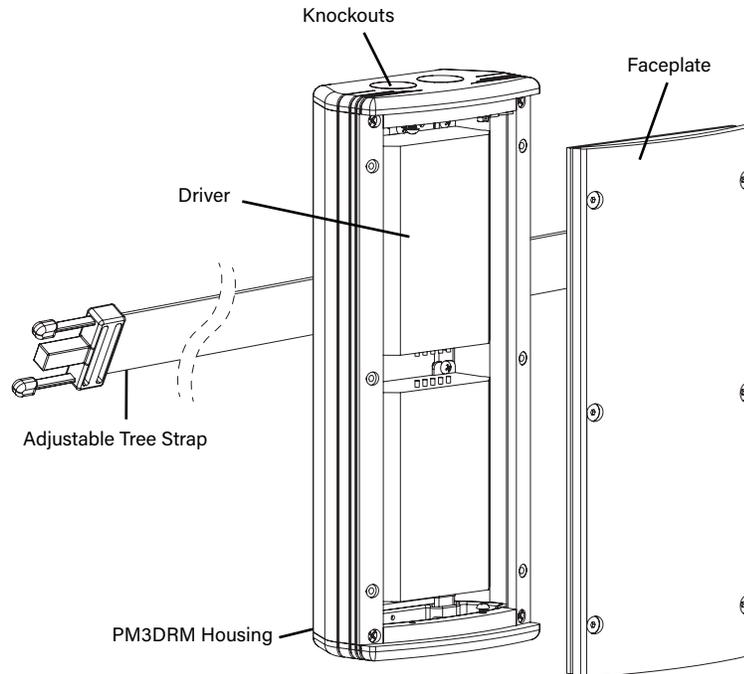## IMPORTANT LISTINGS AND CERTIFICATIONS

· **Suitable for wet locations**

⚠ REMOTE WIRING

LED Driver
Remote driver installations require inter-connected wiring between the LED and driver. Drivers have specific wiring requirements between these components. Driver manufacturers regularly recommend the following wiring details for such installations:

• Do not exceed 50 foot overall wiring distance using 12 gauge copper wire.

Failure to comply with specific wiring requirements will void product warranty.

Knockouts
Faceplate
Driver
Adjustable Tree Strap
PM3DRM Housing

* UPM is covered in whole or in part by US patent #6,940,012

IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE THESE INSTALLATION INSTRUCTIONS

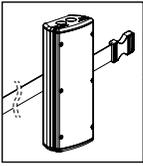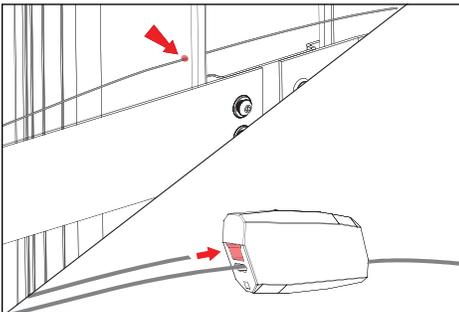1. Loosen six (6) #10-24 captive screws using a 1/8″ allen wrench to remove faceplate of UPM housing.

2. Remove patented knockout(s) as necessary from the inside of the UPM housing. Leave remaining unused knockouts in place to maintain seal.
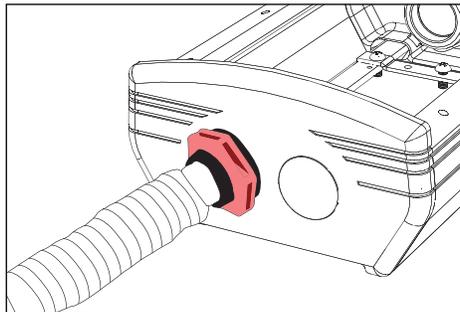
⚠ **NOTE: Patented design featuring a silicone o-ring allowing knockout to be tapped back into place to renew seal integrity.**

3. Use adjustable strap provided to attach UPM housing to tree. Tighten by pulling on the adjustable strap until secure.
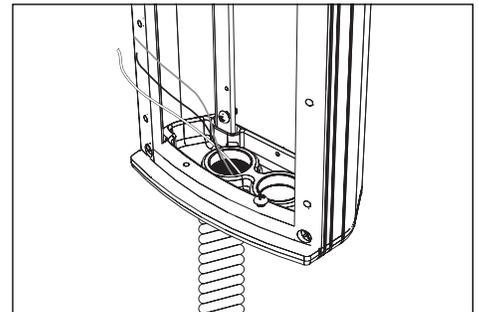

4. Thread safety cable through hole on the back of the UPM housing. Feed safety cable through opposing ends of the connector. Pull on wires to assure the connection is secure. Leave enough slack in safety cable for tree growth. Adjustments can be made by pressing release spring with a pin or a 3/64″ allen tool.
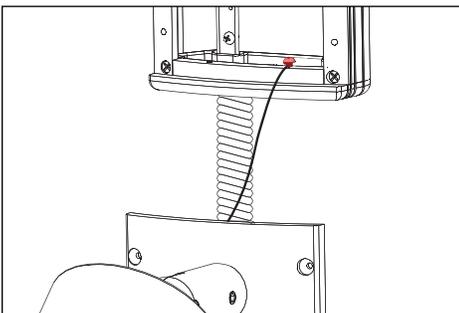

5. Connect 3/4″ conduit connector through female threaded conduit entry.

⚠ **NOTE: Surface conduit is a common entrance for water if not properly sealed. Seal connector threads and conduit pipe with a suitable sealant (teflon tape, adhesive, etc). Sealing the conduit after knockouts are removed is required to maintain warranty.**
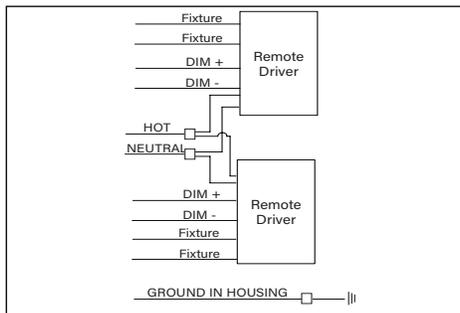

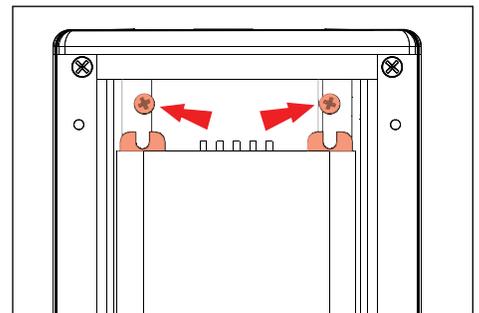6. Pull branch circuit wiring and dimming control wiring necessary for installation.

7. Attach tether wire under screw head at the base of the UPM housing and tighten. Slowly lower the faceplate until tether is taut.

⚠ **NOTE: Faceplate tether supplied with UPM is designed as an installation aid and NOT a safety cable. Do not add weight to, or drop faceplate.**

WIRING DIAGRAM

8. Use waterproof wire connectors (By Others) to connect driver primary leads to branch circuit wires. Connect incoming ground to ground wire provided in UPM housing. Connect incoming dimming control wires to driver dimming controls. **See wiring diagram.**

9. Remove two (2) #8-32 screws in UPM housing using Phillips screwdriver.

IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
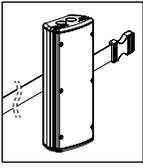**READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS**

c (UL) US

B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

RELEASE DATE
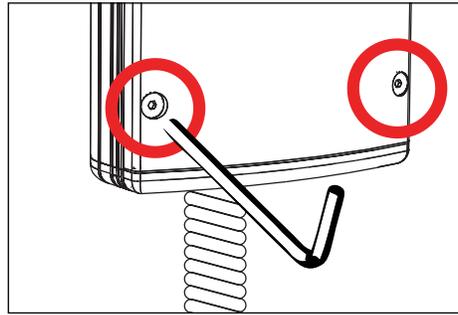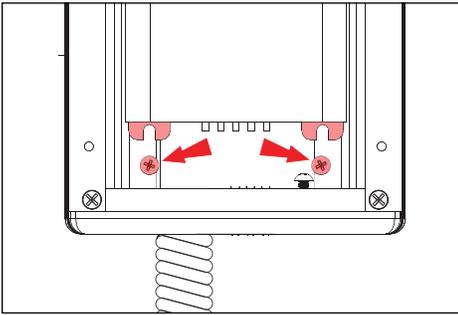05/15/2023

REFERENCE NUMBER
INS-2861-00

10. Slide driver feet under two screws in UPM housing and tighten screws using Phillips screwdriver.

11. Reinstall #8-32 screws on other side of driver and tighten to secure driver to UPM housing.

12. Make sure UPM housing gasket is free of any dirt or debris. Attach the faceplate by tightening the six (6) #10-24 captive screws evenly using a 1/8″ allen wrench.

IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS

PM3DRM SURFACE MOUNT
DRIVER HOUSING

Standard Installation

Flammable	**Warning**
High Voltage	**Hot Surface**

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS IMPORTANT SAFETY INSTRUCTIONS

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IMPORTANT LISTINGS AND CERTIFICATIONS
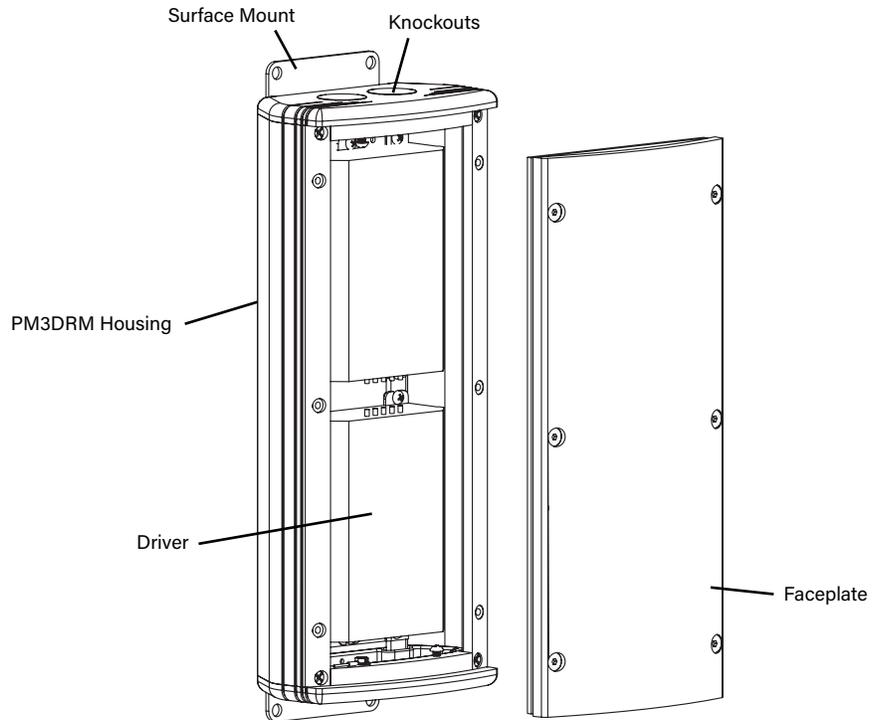
· **Suitable for wet locations**

⚠ REMOTE WIRING

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- Do not exceed 50 foot overall wiring distance using 12 gauge copper wire.

Failure to comply with specific wiring requirements will void product warranty.

Surface Mount · Knockouts · PM3DRM Housing · Driver · Faceplate

* UPM is covered in whole or in part by US patent #6,940,012
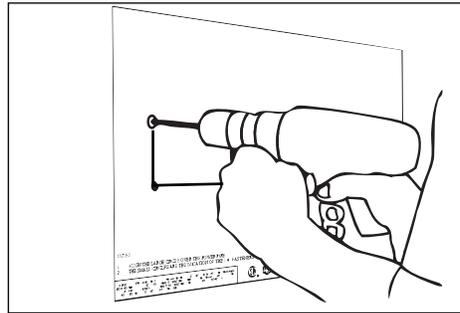
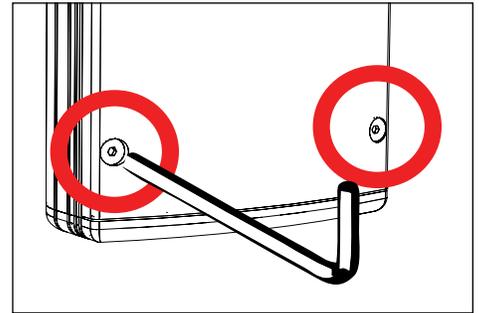## IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE THESE INSTALLATION INSTRUCTIONS
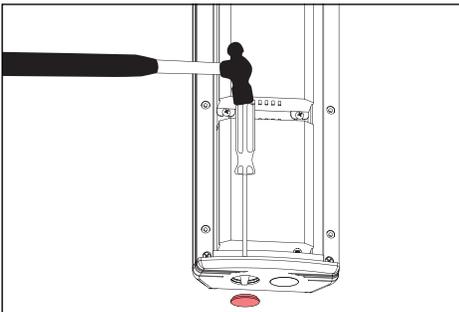
Standard Installation

1. Prepare final mounting position according to designed lighting plan.

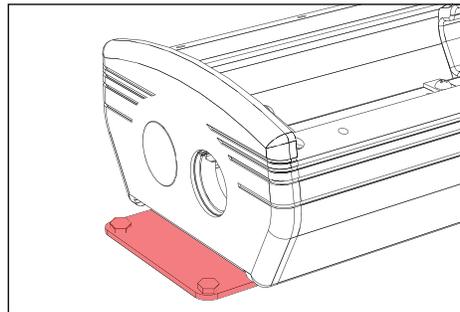2. Drill holes into surface for ¼" fasteners on locations required for mounting via tabs.

3. Loosen six (6) #10-24 captive screws using a 1/8" allen wrench to remove faceplate of UPM housing.
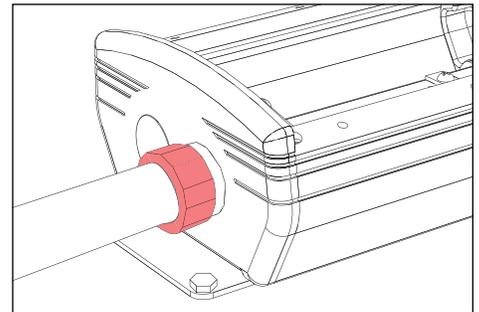

4. Remove patented knockout(s) as necessary from the inside of the UPM housing. Leave remaining unused knockouts in place to maintain seal.

⚠ **NOTE: Patented design featuring a silicone o-ring allowing knockout to be tapped back into place to renew seal integrity.**
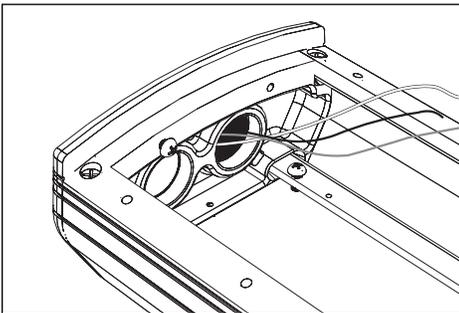

5. Attach the UPM housing at mounting brackets with ¼" fasteners. Use suitable mounting hardware for surface.

⚠ **NOTE: Many methods exist to bolt to a flat surface. The fixture is provided with mounting brackets with ¼" holes.**
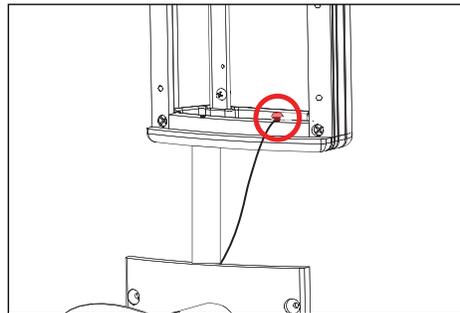

6. Connect 3/4" conduit connector through female threaded conduit entry.

⚠ **NOTE: Surface conduit is a common entrance for water if not properly sealed. Seal connector threads and conduit with a suitable sealant (teflon tape, adhesive, etc.). Sealing the conduit after knockouts are removed is required to maintain warranty.**
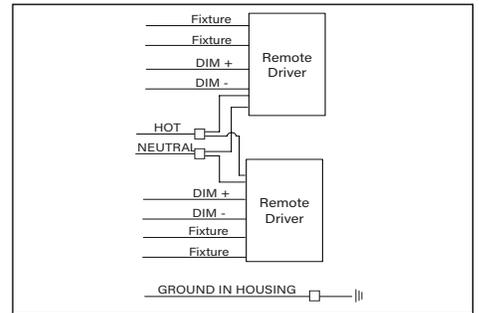

7. Pull branch circuit wiring and dimming control wiring necessary for installation.

8. Attach tether wire under screw head at the base of the UPM housing and tighten. Slowly lower the faceplate until tether is taut.

⚠ **NOTE: Faceplate tether supplied with UPM is designed as an installation aid and NOT a safety cable. Do not add weight to, or drop faceplate.**

WIRING DIAGRAM

9. Use wire connectors to connect driver primary leads to branch circuit wires. Connect incoming ground to ground wire provided in UPM housing. Connect incoming dimming control wiring to driver dimming leads. **See wiring diagram.**

IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS

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B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
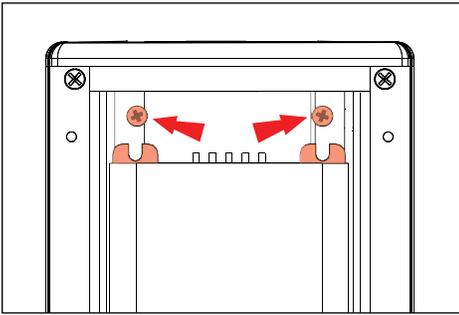559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com
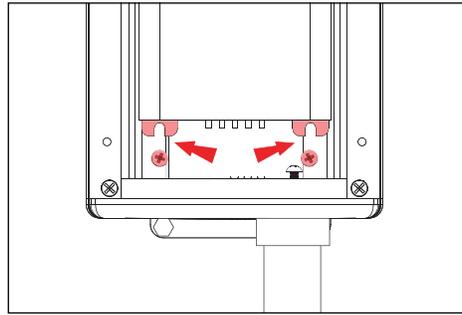
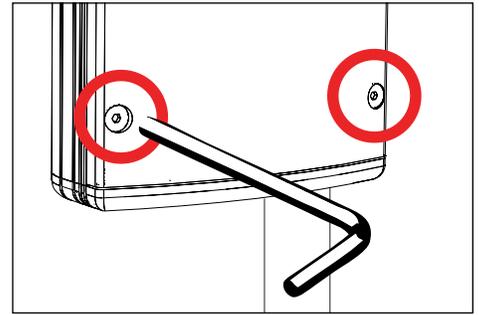| RELEASE DATE	REFERENCE NUMBER
05/15/2023	INS-2861-00

10. Remove two (2) #8-32 screws   in UPM housing using Phillips screwdriver.

11. Slide driver feet under two screws in UPM housing and tighten screws using Phillips screwdriver.

12. Reinstall two (2) #8-32 screws on other side of driver and tighten to secure driver to UPM housing.

13. Make sure UPM housing gasket is free of any dirt or debris. Attach the faceplate by tightening the six (6) #10-24 captive screws evenly using a 1/8″ allen wrench.

IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
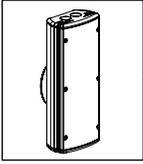## READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS

PM3DRM ROUND CAMLOCK
DRIVER HOUSING

Standard Installation

TOOLS NEEDED:
- 1/8" & 9/64" Allen Wrench
- Waterproof Wire Connectors
- Phillips Screwdriver
- Level

Flammable **Warning** **High Voltage** **Hot Surface**

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS IMPORTANT SAFETY INSTRUCTIONS

Lighted fixture is HOT!
WARNING - To reduce the risk of FIRE OR INJURY TO PERSONS:
Turn off/unplug and allow to cool before replacing lamp/LED. Fixture gets HOT quickly! Contact only switch/plug when turning on. Do not touch hot lens, guard, or enclosure. Keep fixture away from materials that may burn. Do not operate the luminaire fitting with a missing or damaged shield. Do not touch the source at any time. Use a soft cloth or gloves. Oil from skin may cause damage.
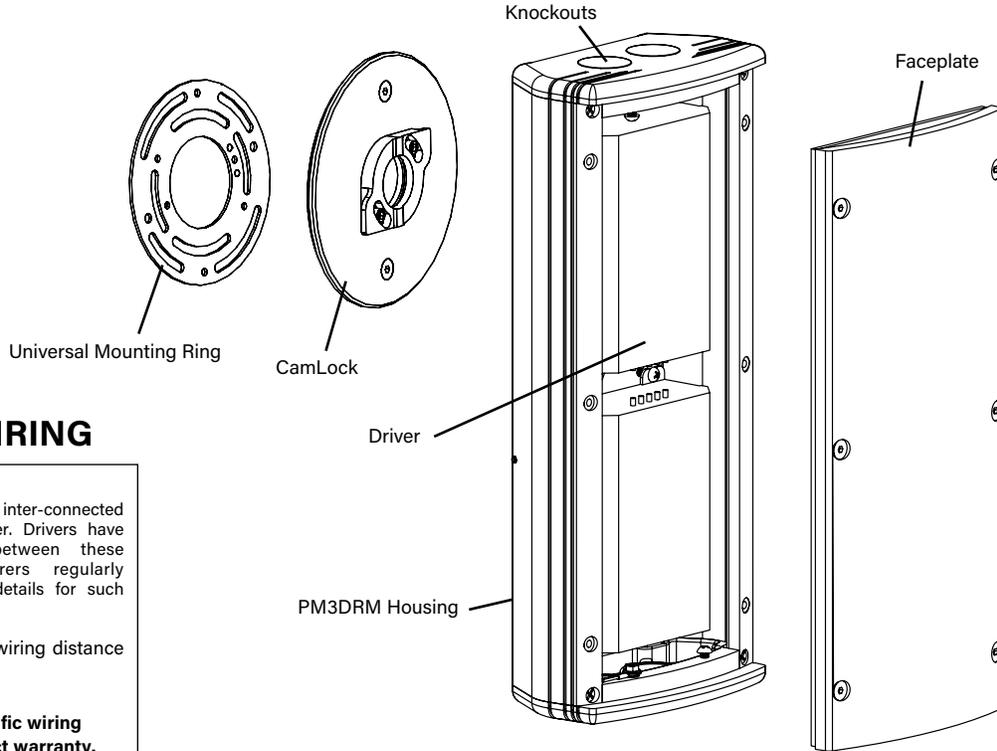
SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS

- Product must be installed by a qualified person in a manner consistent with its intended use and in compliance with the National Electrical Code, Canadian Electrical Code, and all Local and Provincial Codes.

- Follow product label information and instructions.

- Qualified Personnel with appropriate personal protective equipment must perform all servicing of this product.

- Before wiring to power supply and during servicing, turn off and lock out power at fuse or circuit breaker before service.

- The use of accessory equipment not recommended by the manufacturer or installed contrary to instructions may cause an unsafe condition. The use of damaged components may cause an unsafe condition and void product warranty.

- Do not block light emanating from product in whole or part, as this may cause an unsafe condition.

- Never operate the fixture with missing or damaged lens. Lens must be cleaned on regular basis.

- Entire fixture may become extremely hot. Do not touch hot lens or fixture body.

- Replace LED assembly only with correct wattage and type of power supply appropriate for LED assembly.

- All gaskets, o-rings and sealing surfaces must be kept clean during installation and service; failure to do this may cause an unsafe condition and void product warranty.

IMPORTANT LISTINGS AND CERTIFICATIONS

· **Suitable for wet locations**

* UPM is covered in whole or in part by US patent #6,940,012

Knockouts

Faceplate

Universal Mounting Ring

CamLock

Driver

PM3DRM Housing

⚠ REMOTE WIRING

LED Driver
Remote driver installations require inter-connected wiring between the LED and driver. Drivers have specific wiring requirements between these components. Driver manufacturers regularly recommend the following wiring details for such installations:

- Do not exceed 50 foot overall wiring distance using 12 gauge copper wire.

Failure to comply with specific wiring requirements will void product warranty.

IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE THESE INSTALLATION INSTRUCTIONS
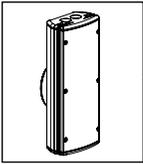
B-K LIGHTING

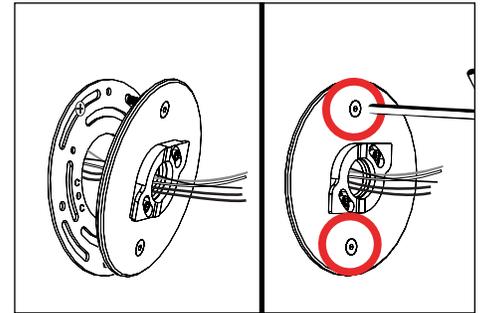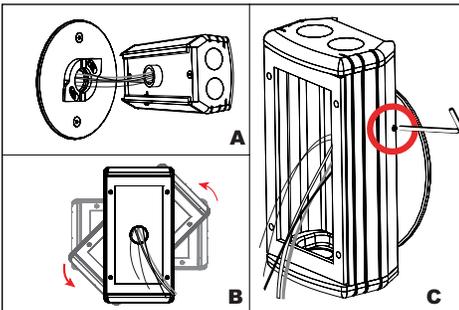| RELEASE DATE	REFERENCE NUMBER
05/15/2023	INS-2861-00

Standard Installation

1. Install standard 4″ octagonal/round recessed junction box in the final fixture location according to designed lighting plan.

2. Pull branch circuit wiring and dimming control wiring necessary for installation.
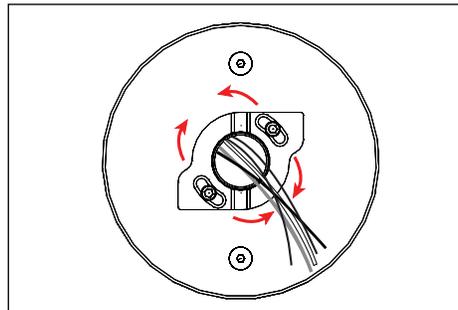

Horizontal　　**Vertical**

3. Install universal mounting ring.

⚠ **IMPORTANT!! Orientation of universal ring will affect orientation of UPM! Take note of mounting plate holes (indicated with arrows) on the universal ring holes to mount UPM in correct orientation.**
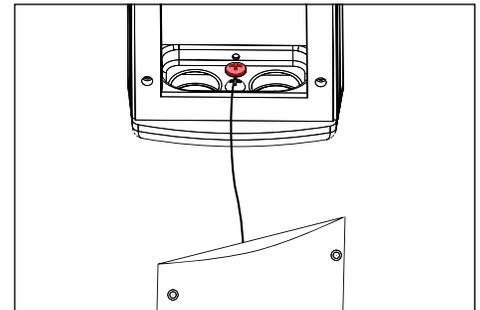

4. Feed branch circuit wiring and dimming control wiring through mounting plate with CamLock assembly. Attach mounting plate with included two (2) #10-24 stainless steel hex drive fasteners to universal ring using a 1/8″ allen wrench.
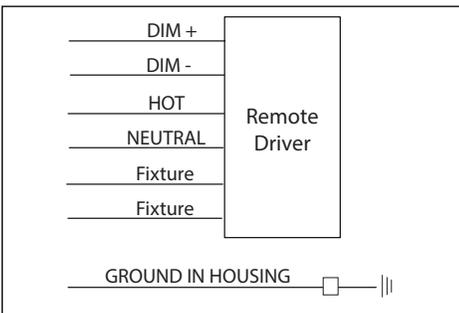

A　B　C

5. Feed branch circuit wiring and dimming control wiring into UPM housing. Install housing on CamLock at 90° to finished orientation as shown (Figure A).

6. Rotate housing 90° counter-clockwise (Figure B). Tighten set screw with a 5/64″ allen wrench on outside of UPM housing to lock in place (Figure C).

7. If UPM housing is not level, remove UPM housing; loosen but **DO NOT REMOVE** two (2) #8-32 screws with a 9/64″ allen wrench on CamLock assembly. Adjust CamLock assembly up to 30° as needed to level. Tighten the screws and reattach UPM housing.
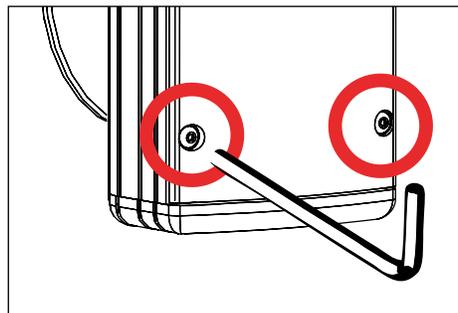

8. Attach tether wire under screw head at the base of the UPM housing. Slowly lower the faceplate until tether is taut.

⚠ **NOTE: Faceplate tether supplied with UPM is designed as an installation aid and NOT a safety cable. Do not add weight to, or drop faceplate.**

DIM +	
DIM -	
HOT	Remote Driver
NEUTRAL	
Fixture	
Fixture	
GROUND IN HOUSING	

WIRING DIAGRAM

9. Use wire connectors to connect driver primary leads to branch circuit wires. Connect incoming ground to ground wire provided in UPM housing. Connect incoming dimming control wiring to driver dimming leads. **See wiring diagram.**

10. Make sure UPM housing gasket is free of any dirt or debris. Attach the faceplate by tightening the six (6) #10-24 captive screws evenly using a 1/8″ allen wrench.

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