

# DENALI

## WALL MOUNT - PM2 TREE STRAP DRIVER HOUSING

### Standard Instructions



Flammable



Warning



High Voltage



Hot Surface

#### TOOLS NEEDED:

-  5/64" Allen Wrench
-  Waterproof Wire Connectors
-  Hammer
-  Phillips Screwdriver

### 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.

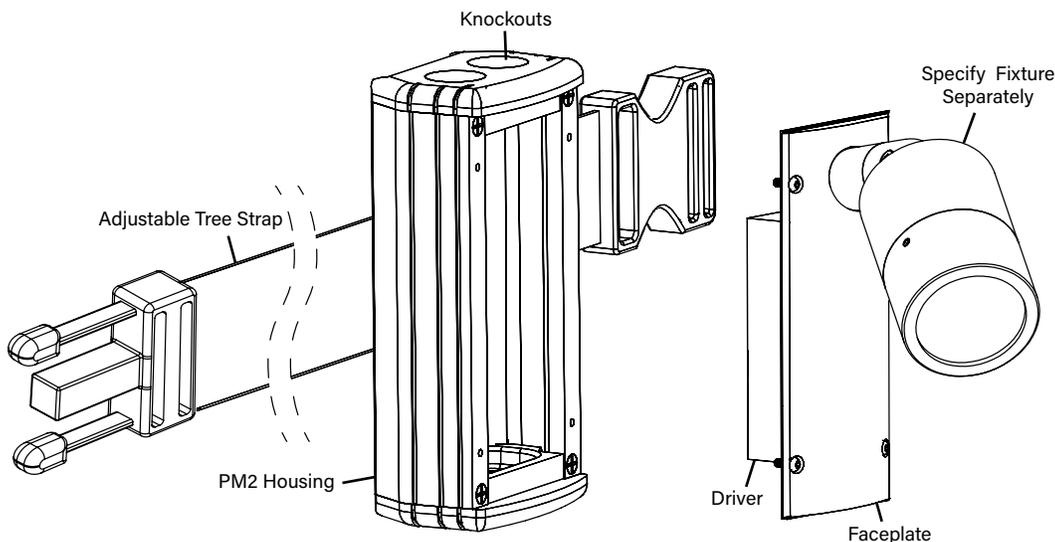
**SAVE THESE INSTRUCTIONS**

### 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

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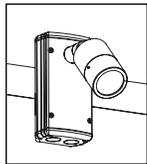
# B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA  
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RELEASE DATE  
 04/20/2023

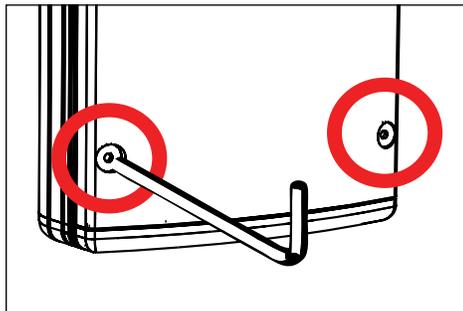
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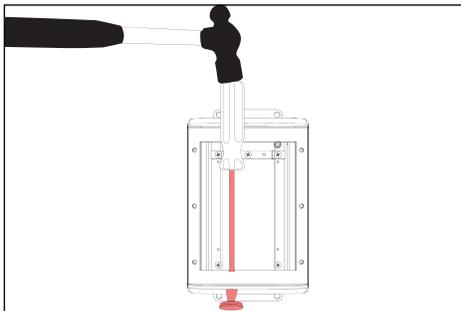


# Standard Instructions

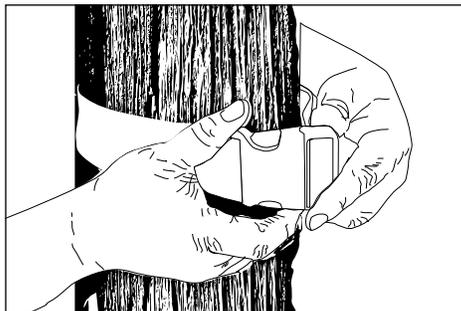
# DENALI WALL MOUNT - PM2 TREE STRAP DRIVER HOUSING



1. Loosen four (4) #6-32 captive screws using a 5/64" allen wrench and disconnect quick disconnect to remove faceplate of UPM housing.

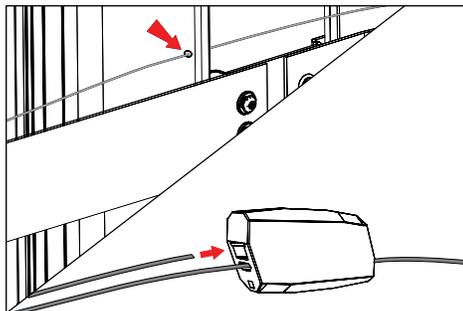


2. Remove patented knockout(s) as necessary from the inside of the UPM housing. Leave remaining unused knockouts in place to maintain seal.

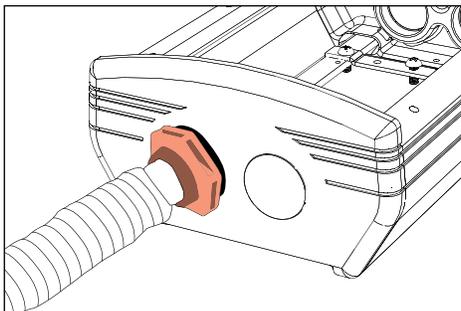


3. Use adjustable strap provided to attach UPM housing to tree. Tighten by pulling on the adjustable strap until secure.

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

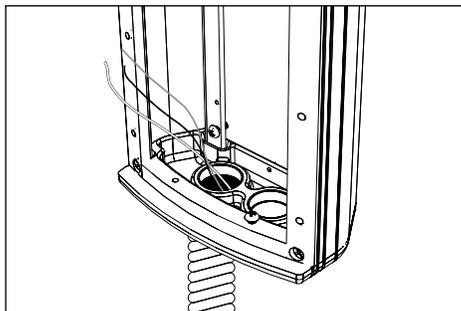


4. Thread safety cable through hole on the back of the UPM housing. Feed safety cable through opposing ends of the connector. Pull on wires to assure the connection is secure. Leave enough slack in safety cable for tree growth. Adjustments can be made by pressing release spring with a pin or a 3/64"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

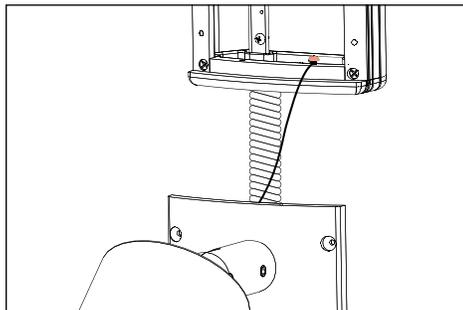


5. Connect 1/2" conduit connector through female threaded conduit entry.

**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.

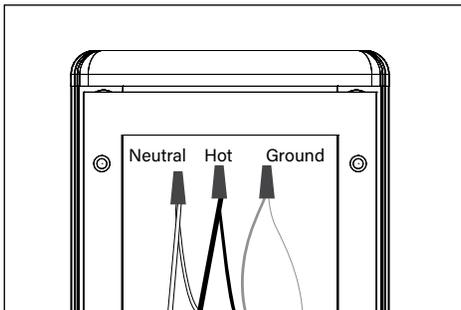


6. Pull branch circuit wiring necessary for installation.

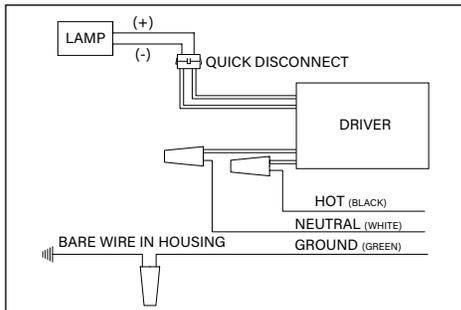


7. Attach tether wire under screw head at the base of the UPM housing and tighten. Slowly lower the faceplate until tether is taut.

**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.



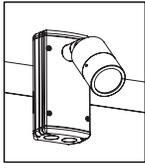
8. Use waterproof wire connectors to connect driver primary leads to branch circuit wires. Connect incoming ground to ground wire provided in UPM housing. See wiring diagram.



WIRING DIAGRAM

**IMPORTANT SAFETY INFORMATION LISTED ON REVERSE  
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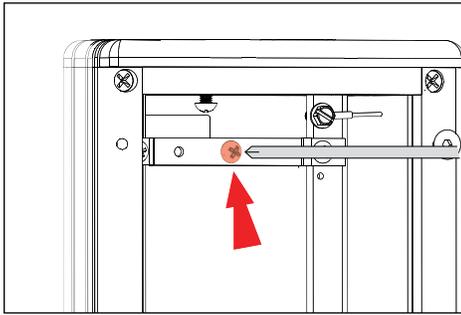




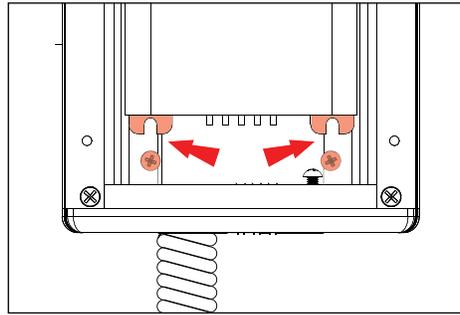
### Standard Instructions

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## WALL MOUNT - PM2 TREE STRAP DRIVER HOUSING

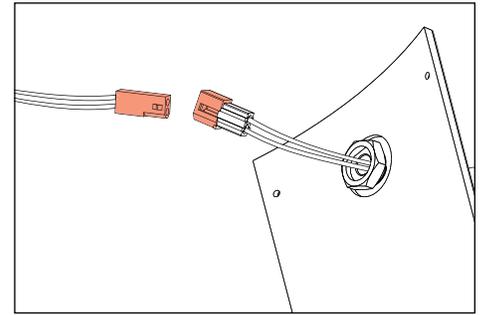


9. Remove the #8-32 screw in UPM housing with phillips screwdriver.

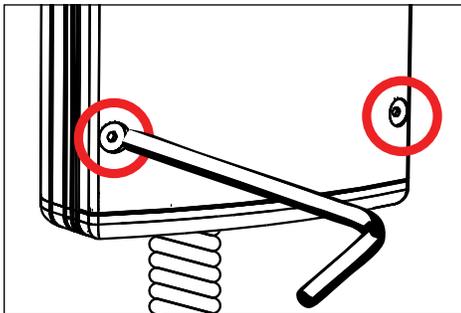


10. Slide driver feet under two screws in UPM housing and tighten screws.

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



12. Connect secondary leads to lamp leads using pre-wired factory quick disconnect.



13. Make sure UPM housing gasket is free of any dirt or debris. Attach the faceplate by tightening the four (4) #6-32 captive screws evenly to using a 5/64" allen wrench.

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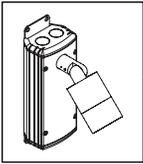


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# DENALI

## WALL MOUNT - PM2 SURFACE MOUNT DRIVER HOUSING

### Standard Instructions



Flammable



Warning



High Voltage



Hot Surface

#### TOOLS NEEDED:

- 1/8" & 5/64" Allen Wrench
- Waterproof Wire Connectors
- Hammer
- Phillips Screwdriver
- 1/4" drill bit and drill
- Mounting hardware

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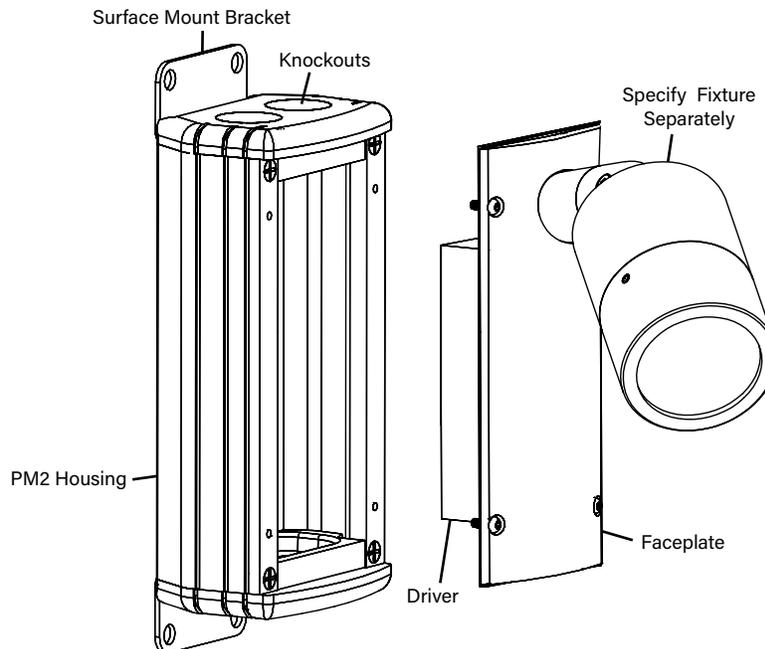
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- Do not block light emanating from product in whole or part, as this may cause an unsafe condition.
- Never operate the fixture with missing or damaged lens. Lens must be cleaned on regular basis.
- Entire fixture may become extremely hot. Do not 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

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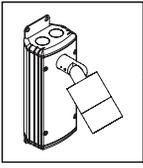
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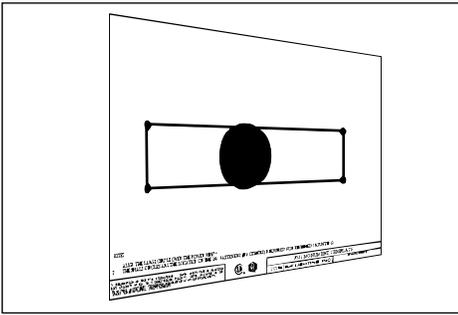
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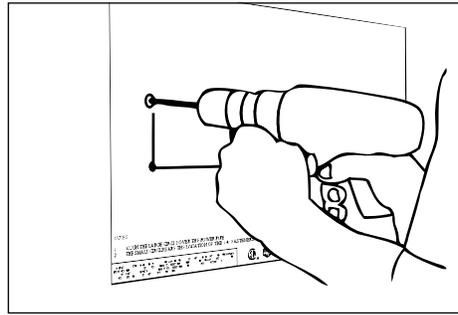
# DENALI

## WALL MOUNT - PM2 SURFACE MOUNT DRIVER HOUSING

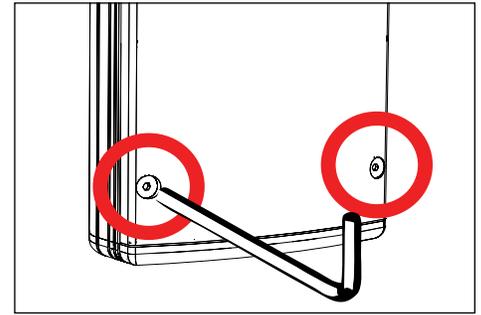
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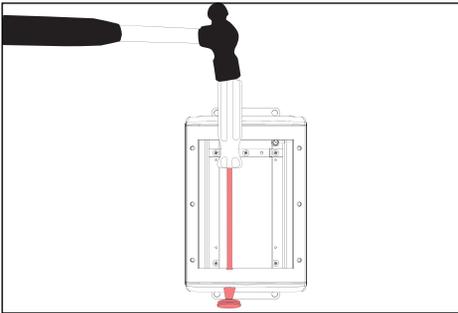
1. Prepare final mounting position according to designed lighting plan.



2. Drill holes into surface for 1/4" fasteners on locations needed.

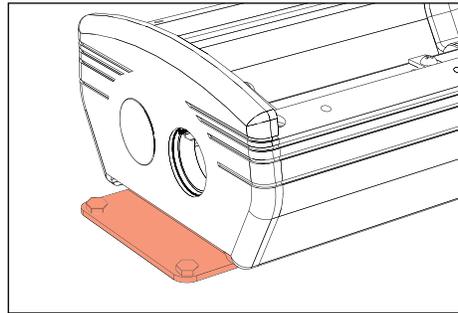


3. Loosen four (4) #6-32 captive screws using a 5/64" allen wrench and disconnect quick disconnect to remove faceplate of UPM housing.



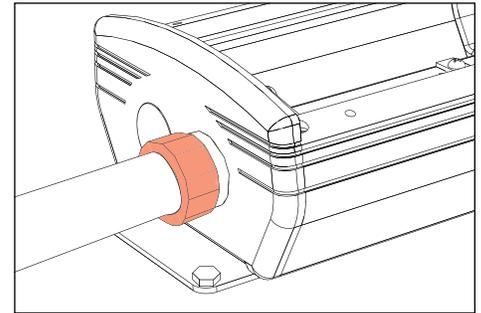
4. Remove Patented Knockout(s) as necessary from the inside of the UPM housing. Leave remaining unused knockouts in place to maintain seal.

**⚠ NOTE:** Patented design featuring a silicone 'O' Ring allowing knockout to be tapped back into place to renew seal integrity.



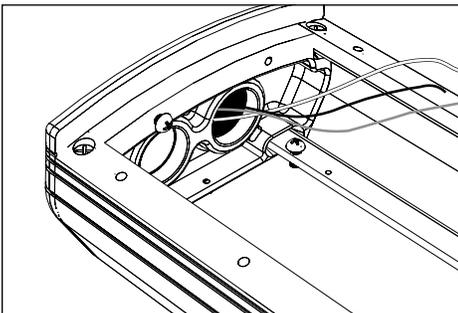
5. Attach the UPM housing at mounting brackets with 1/4" fasteners. Use suitable mounting hardware for surface.

**⚠ NOTE:** Many methods exist to bolt to a flat surface. The fixture is provided with mounting brackets with 1/4" holes.

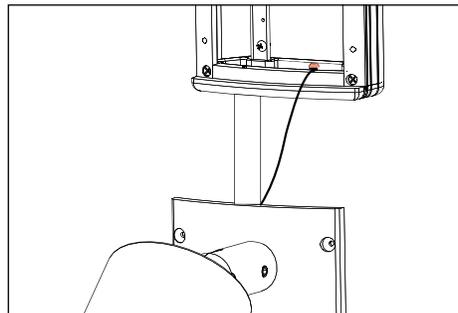


6. Connect 1/2" conduit connector through female threaded conduit entry.

**⚠ 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.

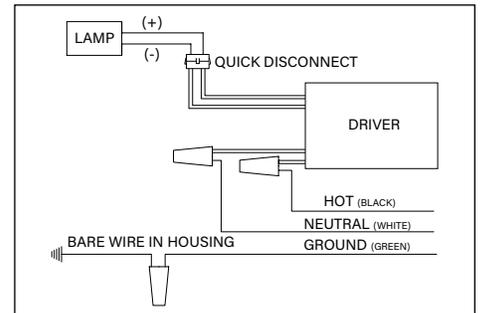


7. Pull branch circuit wiring necessary for installation.



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 waterproof wire connectors (not included) to connect driver primary leads to branch circuit wires. Connect incoming ground to ground wire provided in UPM housing. See wiring diagram.

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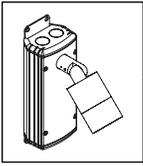


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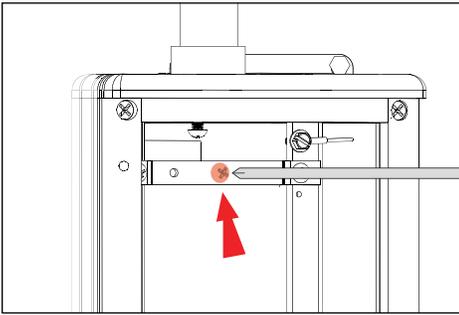
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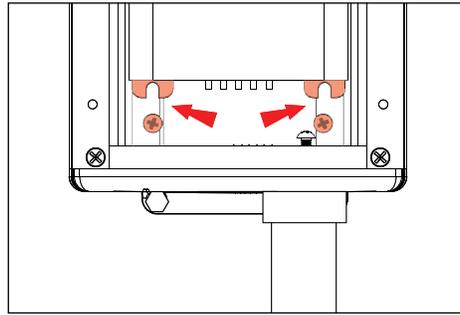
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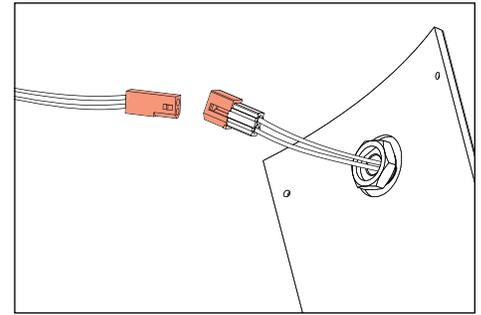


10. Remove the #8-32 screw in UPM housing using phillips screwdriver.

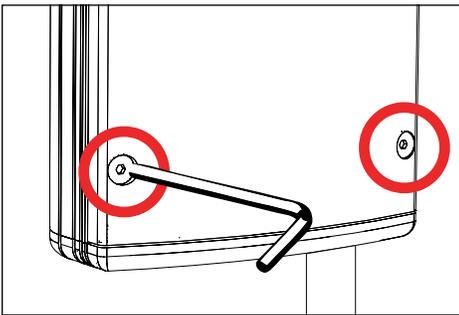


11. Slide driver feet under two screws in UPM housing and tighten screws using phillips screwdriver.

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



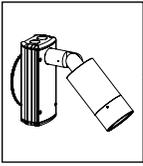
13. Connect secondary leads from driver to lamp leads using pre-wired factory quick disconnect.



14. Make sure UPM housing gasket is free of any dirt or debris. Attach the faceplate by tightening the four (4) #6-32 captive screws evenly using a 5/64" allen wrench.

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# DENALI

## WALL MOUNT - PM2 ROUND CAMLOCK DRIVER HOUSING

### Standard Instructions



Flammable



Warning



High Voltage



Hot Surface

#### TOOLS NEEDED:

- 1/8", 5/64", & 9/64" Allen Wrench
- Waterproof Wire Connectors
- Phillips Screwdriver
- Level

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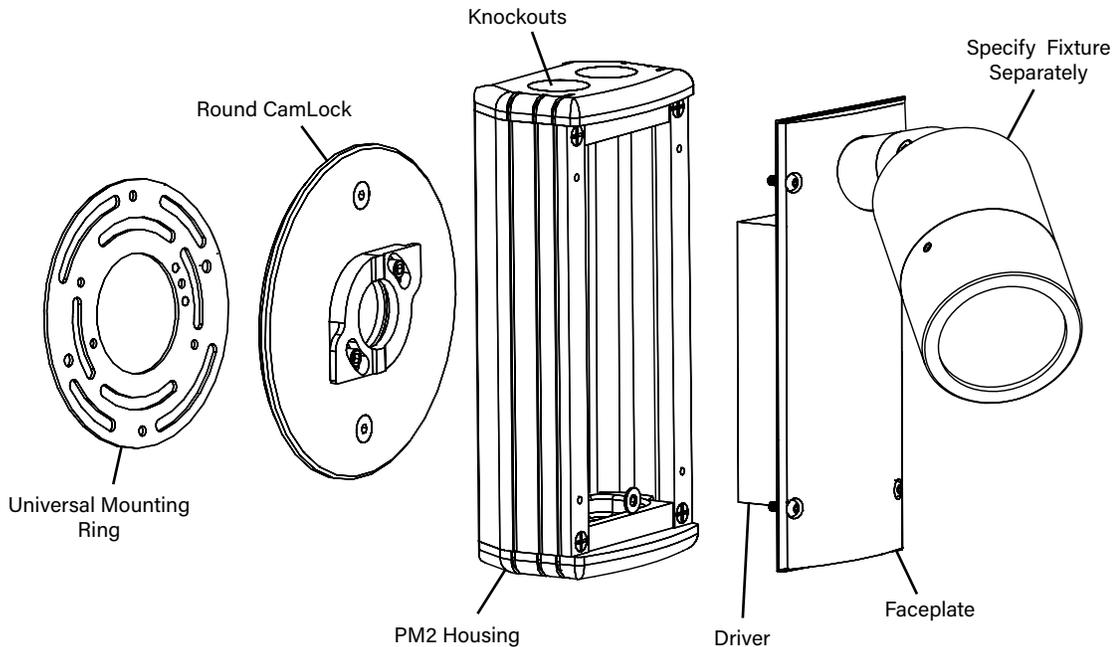
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- Never operate the fixture with missing or damaged lens. Lens must be cleaned on regular basis.
- Entire fixture may become extremely hot. Do not touch hot lens or fixture body.
- Replace LED assembly only with correct wattage and type of power supply 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



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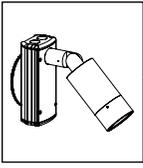
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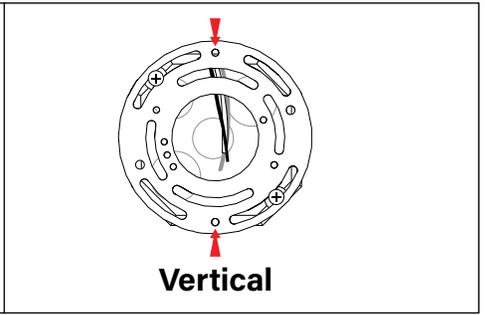
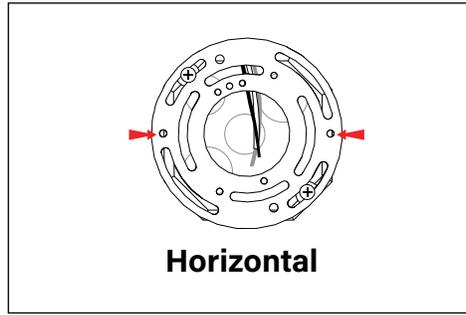
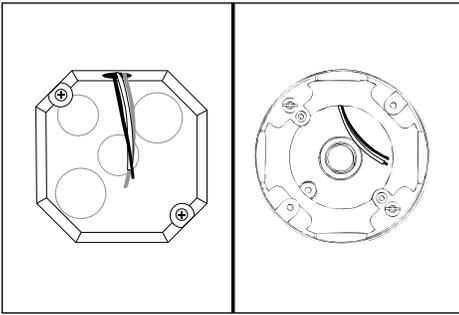
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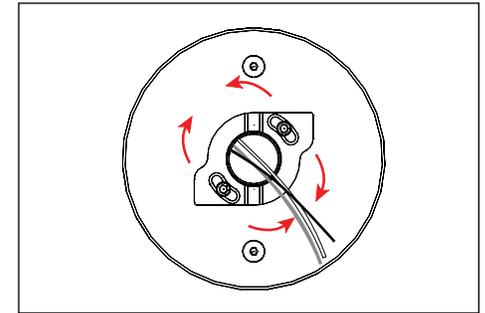
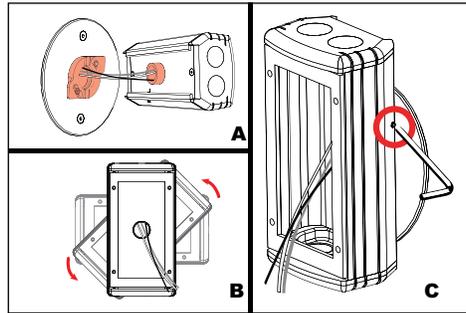
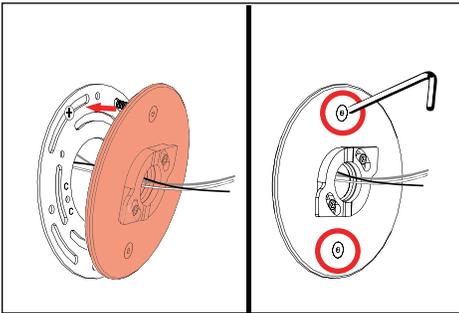
# Standard Instructions



1. Install standard 4" octagonal/round recessed junction box in the final fixture location according to designed lighting plan.
2. Pull branch circuit wiring necessary for installation.

3. Install universal mounting ring.

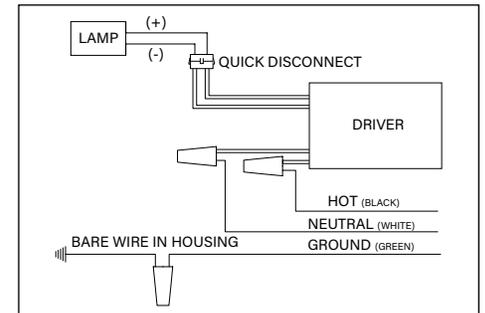
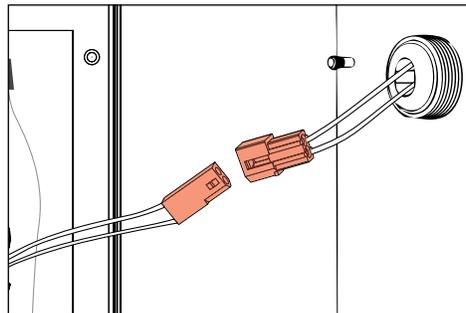
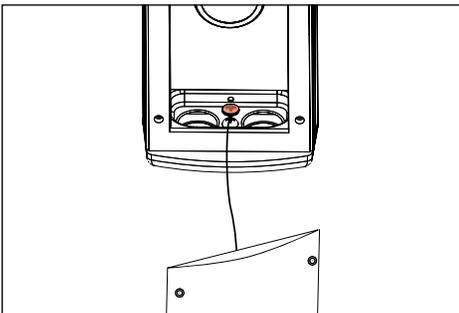
**⚠ IMPORTANT!! Orientation of universal ring will affect orientation of UPM! Take note of mounting plate holes (indicated with arrows) on the universal ring holes to mount UPM in correct orientation.**



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

5. Feed branch circuit 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.



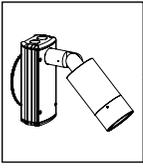
8. Attach tether wire under screw head at the base of the UPM housing. Slowly lower the faceplate until tether is taut.

9. Use waterproof wire connectors (not included) to connect driver primary leads to branch circuit wires. Connect incoming ground to ground wire provided in UPM housing. **See wiring diagram.**

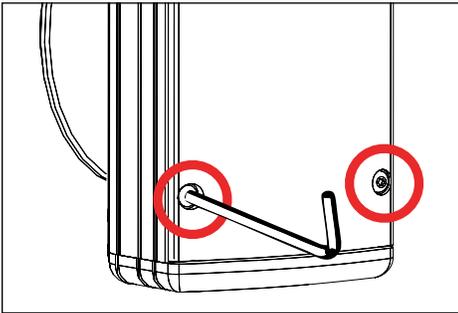
**⚠ NOTE: Faceplate tether supplied with UPM is designed as an installation aid and NOT a safety cable. Do not add weight to, or drop faceplate.**

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





### Standard Instructions



10. Make sure UPM housing gasket is free of any dirt or debris. Attach the faceplate by tightening the four (4) #6-32 captive screws evenly using a 5/64" allen wrench.

**IMPORTANT SAFETY INFORMATION LISTED ON REVERSE  
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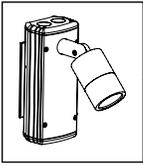


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# DENALI

## WALL MOUNT - PM2 RECTANGULAR CAMLOCK DRIVER HOUSING

### Standard Instructions



Flammable



Warning



High Voltage



Hot Surface

#### TOOLS NEEDED:

-  5/64" & 9/64" Allen Wrench
-  Waterproof Wire Connectors
-  Phillips Screwdriver
-  Level

### 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.

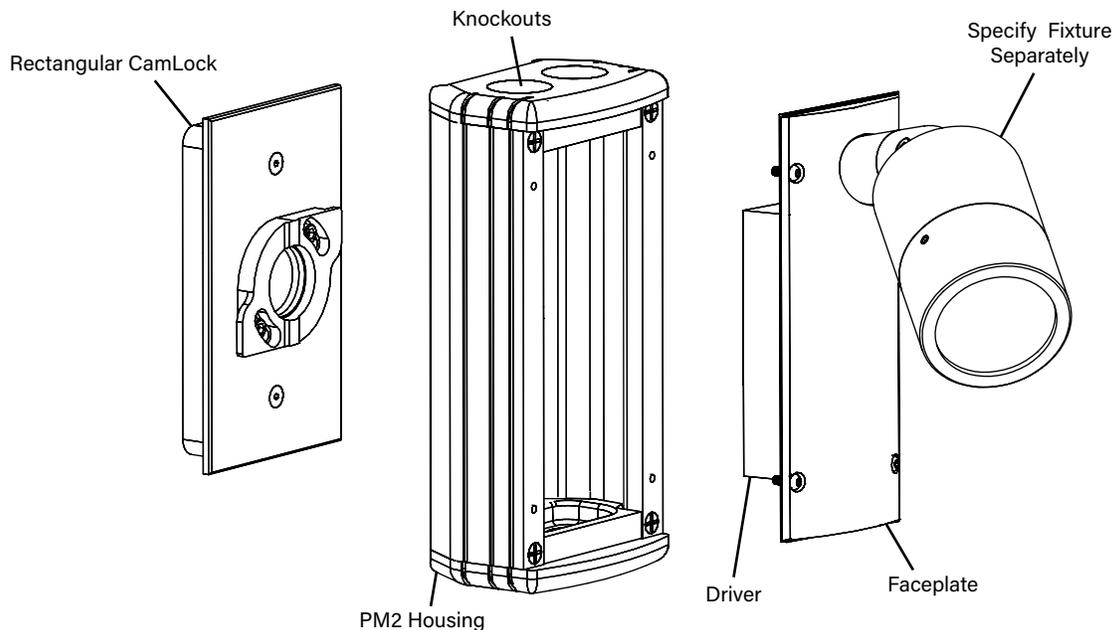
**SAVE THESE INSTRUCTIONS**

### 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

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

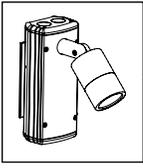
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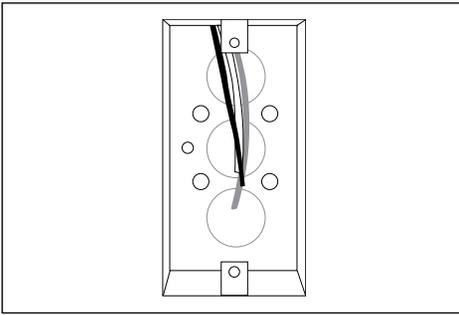
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.



# DENALI

## WALL MOUNT - PM2 RECTANGULAR CAMLOCK DRIVER HOUSING

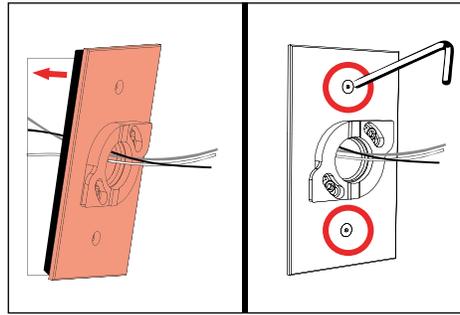
### Standard Instructions



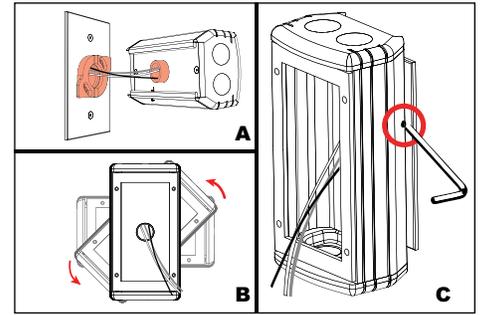
1. Install standard 4.5" x 2.85" recessed junction box in the final fixture location according to designed lighting plan.

**⚠ NOTE: Vertical or horizontal installation of recessed junction box determines orientation of UPM.**

2. Pull branch circuit wiring necessary for installation.

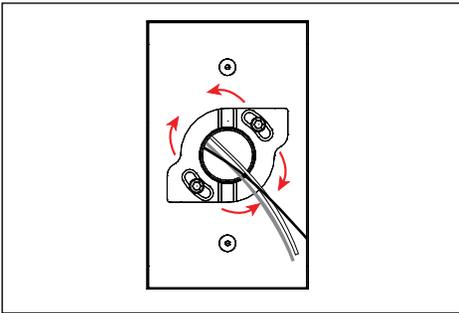


3. Feed branch circuit wiring and lamp leads to remote mounted fixture through mounting plate with CamLock assembly. Attach mounting plate with supplied two (2) #6-32 stainless steel hex drive fasteners to recessed junction box using a 5/64" allen wrench.

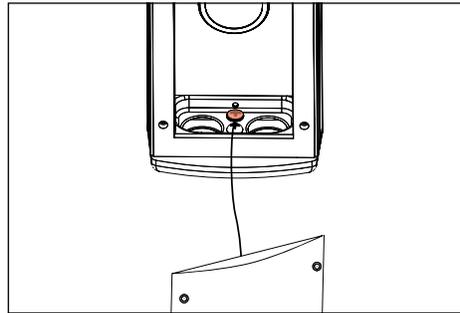


4. Feed wire into UPM housing. Install housing on CamLock at 90° to finished orientation as shown. (Figure A)

5. 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)

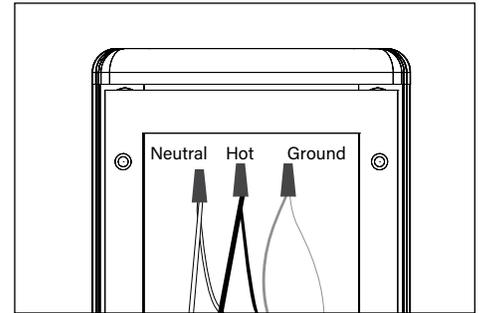


6. If UPM housing is not level, remove UPM housing; loosen but **DO NOT REMOVE** (2) #8-32 screws with a 9/64" allen wrench on CamLock assembly. Adjust CamLock assembly up to 30° as needed to level. Tighten the screws and reattach UPM housing.

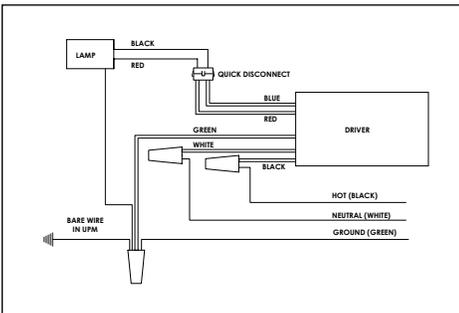


7. Attach tether wire under screw head at the base of the UPM housing and tighten. Slowly lower the faceplate until tether is taut.

**⚠ 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.**

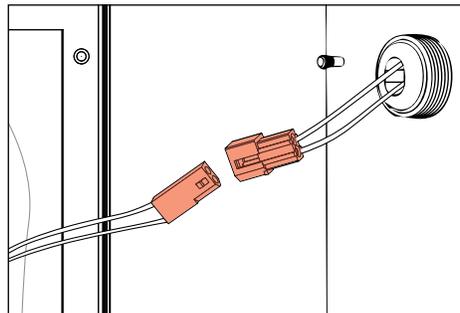


8. Use wire connectors to connect driver primary leads to branch circuit wires. Connect incoming ground and driver ground to ground wire provided in UPM housing. See wiring diagram.

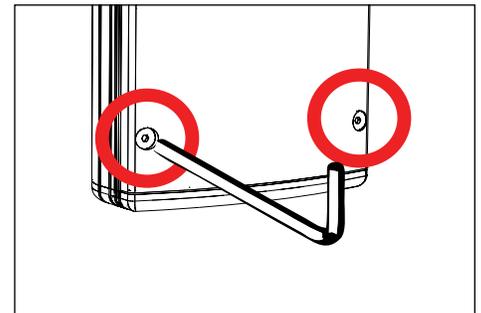


**Wiring Diagram.**

9. Pull lamp leads into UPM housing and connect to driver secondary leads using approved wire connectors (not included).



10. Use waterproof wire connectors (not included) to connect driver primary leads to branch circuit wires. Connect incoming ground to ground wire provided in UPM housing. **See wiring diagram.**



11. Make sure UPM housing gasket is free of any dirt or debris. Attach the faceplate by tightening the four (4) #6-32 captive screws evenly using a 5/64" allen wrench.

**IMPORTANT SAFETY INFORMATION LISTED ON REVERSE  
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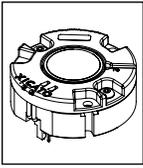


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# LED BOARD / OPTICS

CHIP ON BOARD TECHNOLOGY (x58-x63)

## Standard Installation Replacement



Warning



Hot Surface

<b>TOOLS NEEDED:</b>	.050" & 5/64" Allen Wrench
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### 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

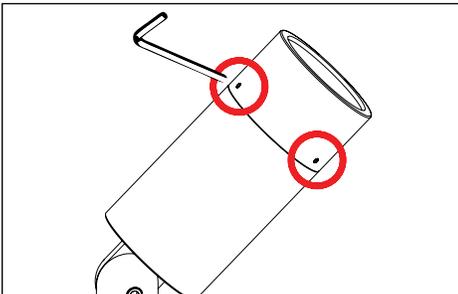
- Product must be installed by a qualified person in a manner consistent with its intended use and in compliance with the National Electrical Code, Canadian Electrical Code, and all Local and Provincial Codes.
- Follow product label information and instructions.
- Qualified Personnel with appropriate 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

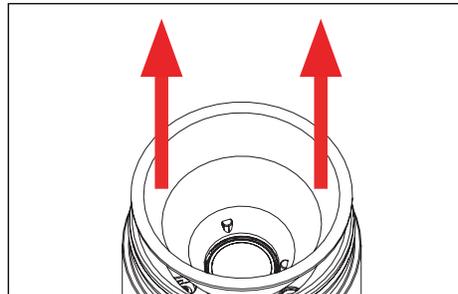
- Suitable for wet locations



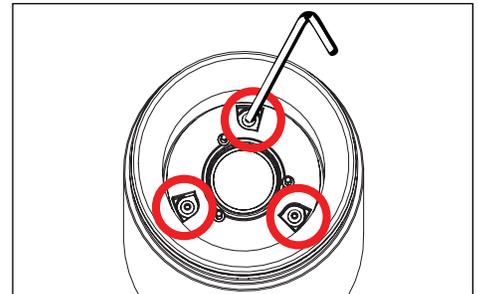
This product is available with field replaceable components. Exclusive interchangeable modular LED components with quick disconnects simplifies upgrades and maintenance when necessary.



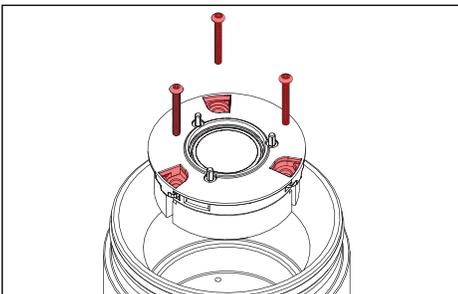
1. Use a 5/64" allen wrench to slightly loosen three (3) #8-32 stainless steel set screws to remove cap.



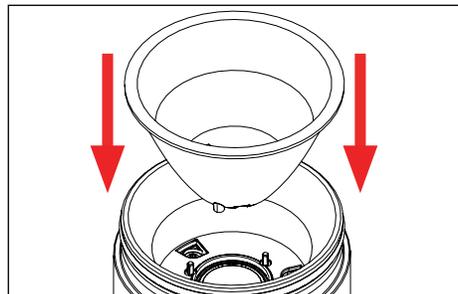
2. Remove optic by pulling gently and lift up.



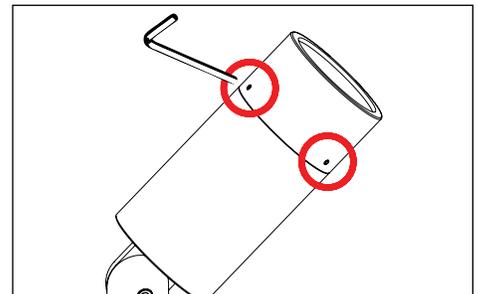
3. Use a .050" allen wrench to loosen three (3) set screws holding optic holder and LED module.



4. Gently lift LED module and disconnect from fixture. Install new LED module. Secure set screws through LED module and optic holder using a .050" allen wrench.



5. Replace optic by lining tabs with optic holder, then pressing down gently until secured into place.



6. Place cap on fixture and tighten set screws until they are flush with the cap.

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

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

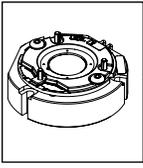
### IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE THESE INSTALLATION INSTRUCTIONS

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# LED BOARD / OPTICS

CHIP ON BOARD TECHNOLOGY (x64-x66)

## Standard Installation Replacement



Warning



Hot Surface

TOOLS  
NEEDED:

.050" & 5/64" Allen Wrench

### 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

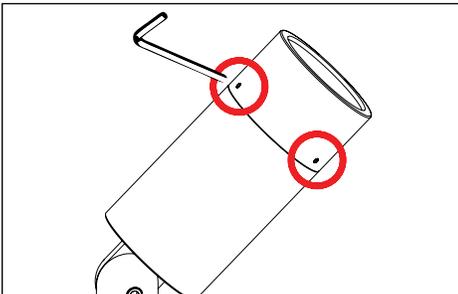
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- Follow product label information and instructions.
- Qualified Personnel with appropriate personal protective equipment must perform all servicing of this product.
- Before wiring to power supply and during servicing, turn off and lock out power 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

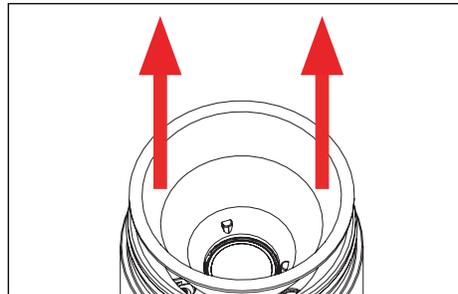
- Suitable for wet locations



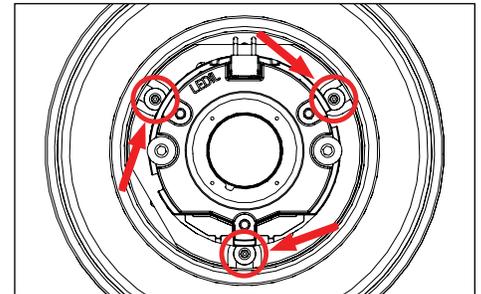
This product is available with field replaceable components. Exclusive interchangeable modular LED components with quick disconnects simplifies upgrades and maintenance when necessary.



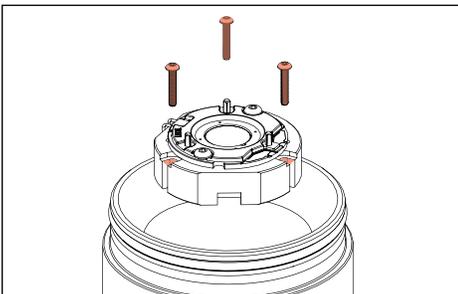
1. Use a 5/64" allen wrench to slightly loosen three (3) #8-32 stainless steel set screws to remove cap.



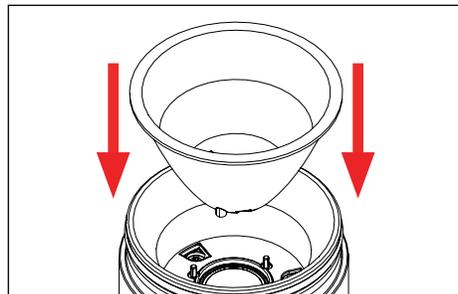
2. Remove optic by pulling gently and lift up.



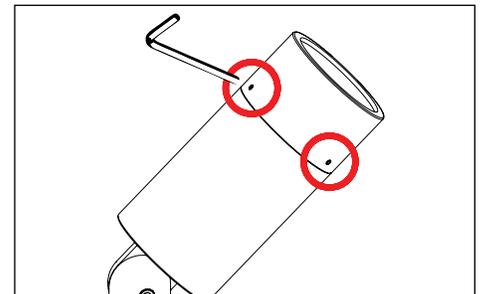
3. Use a .050" allen wrench to loosen three (3) set screws holding LED module. Gently lift from fixture.



4. Gently lift LED module and disconnect from fixture. Install new LED module. Secure set screws using a .050" allen wrench.



5. Replace optic by lining notches with optic holder, then pressing down gently until secured into place.



6. Place cap on fixture and tighten set screws until they are flush with the cap.

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

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

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