

**INSTALLATION GUIDE**

**1", 2", & 3" GYROSHIFT™ DOWNLIGHT**

READ AND FOLLOW ALL SAFETY INSTRUCTIONS! SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION.

**⚠ WARNING: RISK OF ELECTRIC SHOCK**

- Before installation or servicing **DISCONNECT POWER BY TURNING OFF THE CIRCUIT breakers both to the outlet box and to its associated wall switch.**
- Installation and service of luminaires should be performed by a qualified licensed electrician in accordance with all local and National Electrical Codes.
- **DO NOT** install damaged product
- Verify that supply voltage is correct by comparing it with the luminaire label information.
- All wiring connections should be capped with UL approved recognized wire connectors.

**⚠ WARNING: RISK OF INJURY**

- Allow luminaire to cool before servicing. Follow all manufacturer's warning and restrictions for driver type, mounting locations, replacement and recycling.
- Wear safety glasses and gloves when installing, maintaining or servicing.
- Avoid direct eye exposure to the light source while it is on.

**⚠ WARNING: RISK OF PRODUCT DAMAGE**

- Never connect components under load
- Do not touch the yellow surface of the LED as it may damage the light engine.

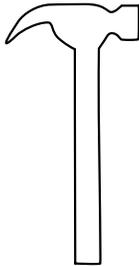
**⚠ WARNING: RISK OF FIRE**

- **DO NOT** separate any other wires that may be in the box.
- **DO NOT** damage the insulation of older wiring.
- In regular circumstances the **BLACK** wire will be the "Hot" lead and the **WHITE** wire will be the "Neutral" or "Common" lead. A **GREEN** or **BARE COPPER** wire is "Ground". In older buildings, it is always good practice to reconfirm the polarity of the wiring.

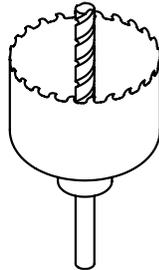
**TOOLS REQUIRED**



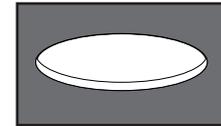
FLAT HEAD SCREW DRIVER



CLAW HAMMER



HOLE SAW (OR SPEED ROUTER)



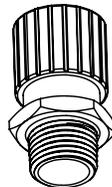
**CEILING CUTOUT TABLE**

MODEL	1 IN	2 IN	3 IN
<b>CUTOUT SIZE</b>	Ø 2-1/2" (Ø 63.5 MM)	Ø 3-5/8" (Ø 92.1 MM)	Ø 4-1/2" (Ø 114.3 MM)

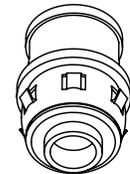
**ACCESSORIES REQUIRED**



ELECTRICAL WIRE NUT



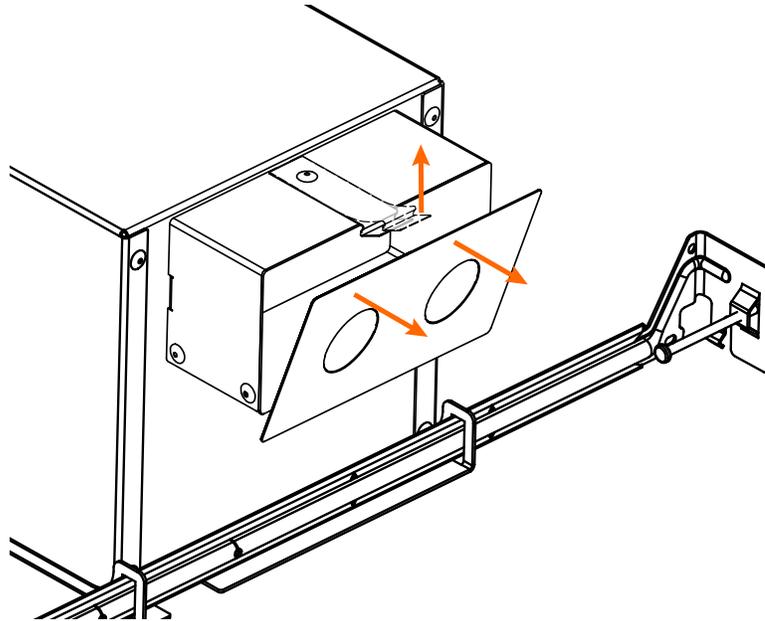
ELECTRICAL STRAIN RELIEF



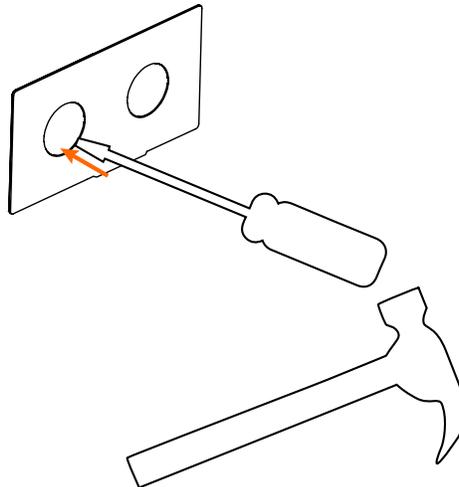
CONDUIT CONNECTOR

## FOR INSTALLATION WITH FOAM BOX AND PAN ONLY

DETACH THE KNOCK-OUT PLATE BY PUSHING UP THE SPRING LATCH AND PULLING-OUT THE KNOCK-OUT PLATE.



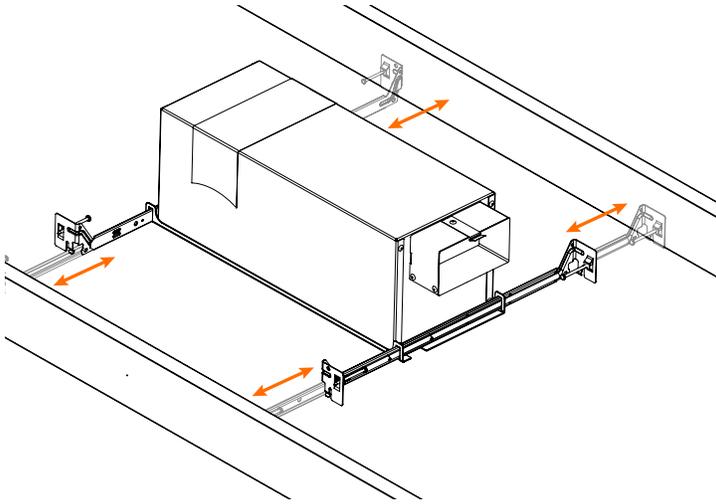
REMOVE KNOCK-OUT(S) WHERE NEEDED WITH A FLAT-HEAD SCREWDRIVER AND HAMMER



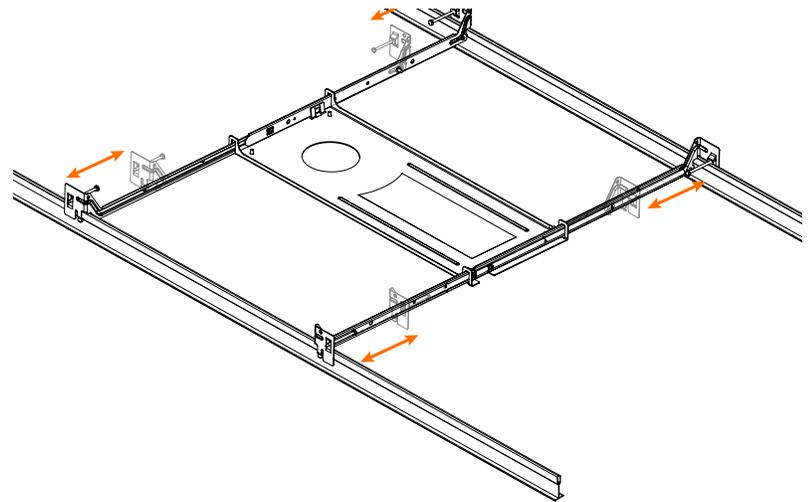
## STEP 1 - HANGER BARS ADJUSTMENT

ADJUST THE HANGER BARS TO FIT BETWEEN JOISTS. (FOR SUSPENDED CEILING, REMOVE THE REQUIRED TILE)

### FOAM BOX CONFIGURATION

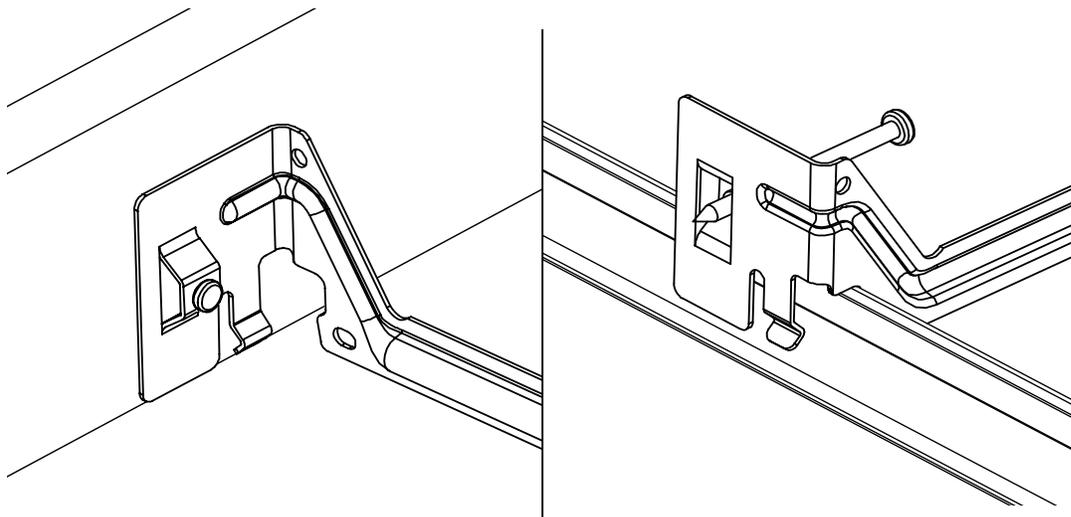


### PAN CONFIGURATION



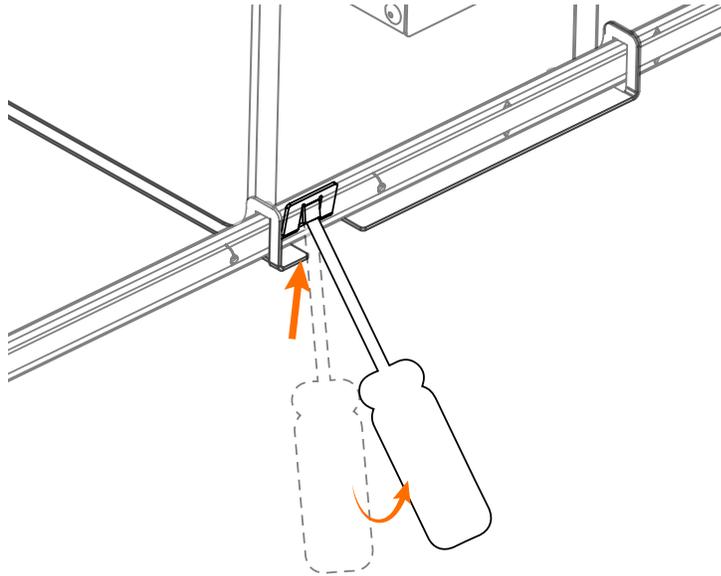
## STEP 2 - SECURE HANGER BARS

- FOR WOOD JOISTS, LINE UP THE BOTTOM OF THE HANGER BARS TO THE BOTTOM OF THE JOISTS AND NAIL THE ENDS OF THE HANGER BARS TO THE JOISTS.
- FOR SUSPENDED CEILING, SNAP IN PLACE THE HANGER BARS ON THE SUSPENDED CEILING T-BAR.

**WOOD****T-BAR**

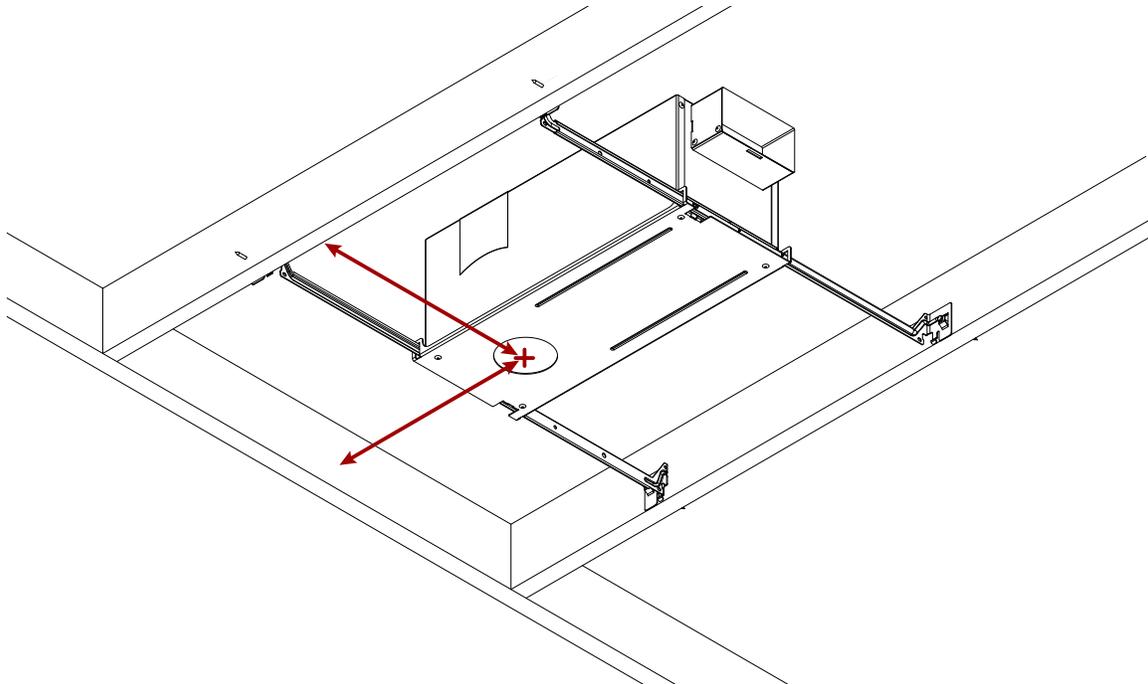
### **STEP 3 - SECURE SYSTEM**

SLIDE THE BOTTOM PLATE TO THE DESIRED POSITION AND USE A FLAT HEAD SCREWDRIVER TO TILT THE LOCKING TABS INTO THE HANGER BARS UNTIL SYSTEM IS SECURE.



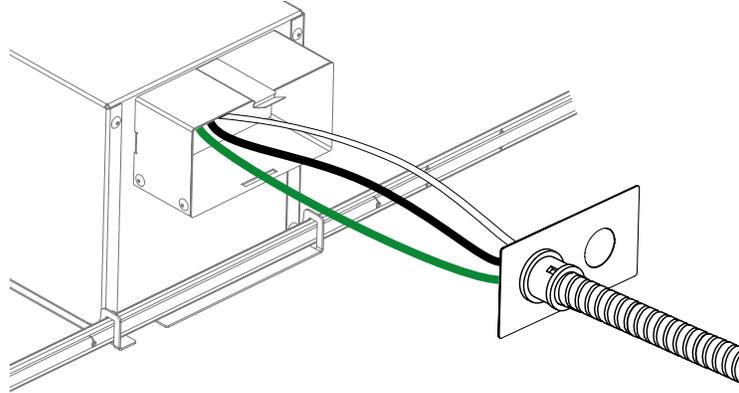
### **STEP 4 - MEASUREMENT**

MEASURE AND MARK THE LOCATION OF THE PAN HOLE FROM WOOD JOISTS/T-BARS

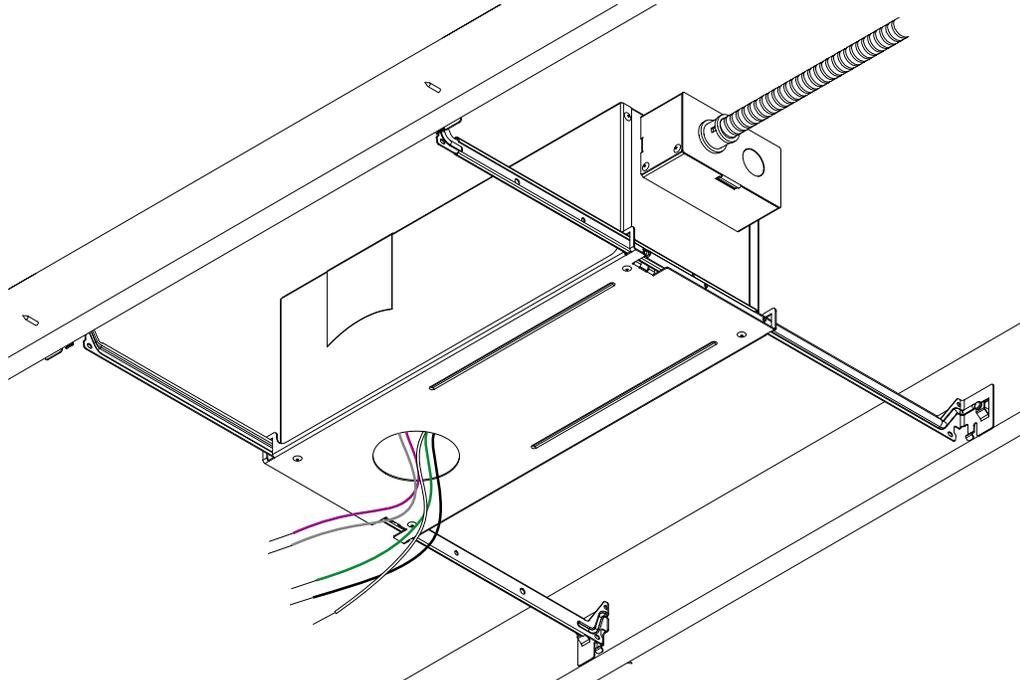


**STEP 5 - CONDUIT****A. FOR FOAM BOX CONFIGURATION ONLY**

- SECURE A UL LISTED CONDUIT TO A STRUCTURAL MEMBER ENSURING THAT THE WIRES HAVE ENOUGH LENGTH TO PASS THROUGH TO THE ROOM SIDE.
- CONNECT CONDUIT TO JUNCTION BOX PLATE WITH UL LISTED CONDUIT CONNECTOR.

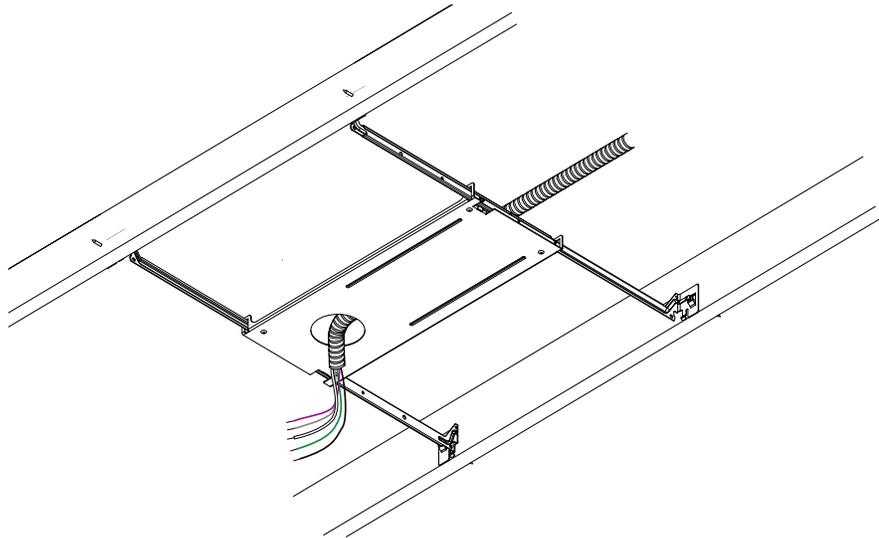


PUSH EXCESS WIRE INTO THE HOUSING AND REATTACH THE KNOCK-OUT PLATE INTO THE JUNCTION BOX ENSURING THAT THE WIRES HAVE ENOUGH LENGTH TO PASS THROUGH TO THE ROOM SIDE.



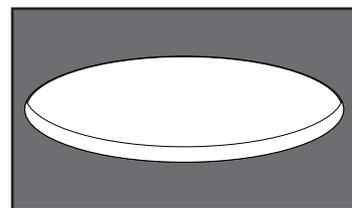
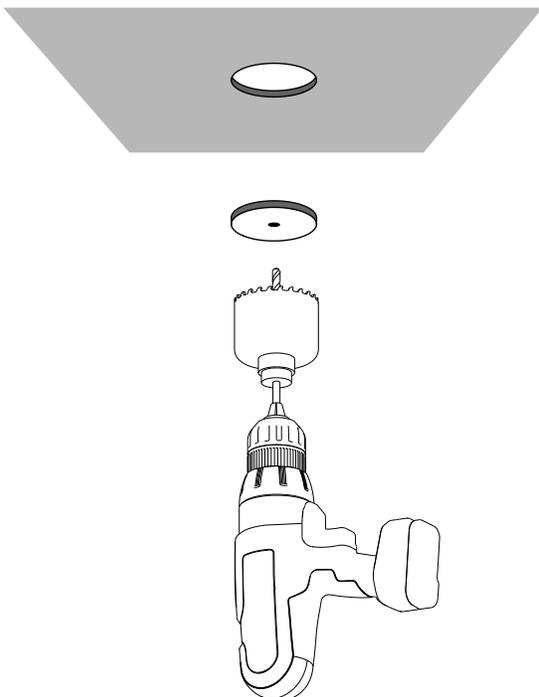
**B. FOR PAN CONFIGURATION ONLY**

ROUTE THE CONDUIT WITH SUPPLY WIRES. SECURE CONDUIT TO A STRUCTURAL MEMBER ENSURING THAT THE WIRES HAVE ENOUGH LENGTH TO PASS THROUGH TO THE ROOM SIDE.



**STEP 6 - CEILING CUTOUT**

- PERFORM NORMAL INSTALLATION OF DRYWALL OR TILE.
- LOCATE THE HOLE ON THE FOAM BOX/PAN THAT WAS MEASURED ON STEP 4. USE HOLE SAW OR SPEED ROUTER TO MAKE A CUTOUT ACCORDING TO THE CUTOUT TABLE.
- PULL ALL WIRES TO ROOM SIDE AND MAKE ELECTRICAL CONNECTION TO POWER SUPPLY UNIT.



**CEILING CUTOUT TABLE**

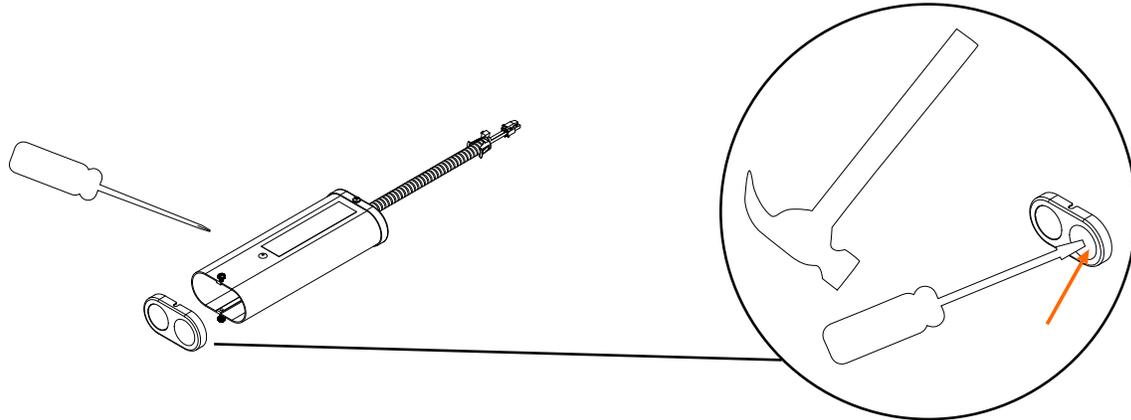
MODEL	1 IN	2 IN	3 IN
CUTOUT SIZE	Ø 2-1/2" (Ø 63.5 MM)	Ø 3-5/8" (Ø 92.1 MM)	Ø 4-1/2" (Ø 114.3 MM)

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**STEP 7 - POWER SUPPLY UNIT**

- REMOVE POWER SUPPLY KNOCK-OUT CAP WITH SCREW DRIVER.
- REMOVE KNOCK-OUT IF NECESSARY WITH A FLAT-HEAD SCREWDRIVER AND HAMMER



**STEP 8 - ELECTRICAL CONNECTION**

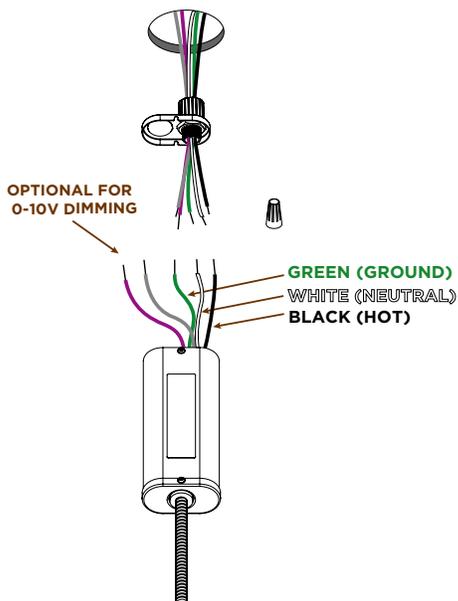
**A. FOR FOAM BOX:**

- USE A UL LISTED CORD GRIP (STRAIN-RELIEF) TO SECURE SUPPLY WIRES TO KNOCK-OUT CAP.
- CONNECT WIRES TO POWER SUPPLY UNIT AS INDICATED IN THE WIRING DIAGRAM ON PAGE 11 USING APPROVED WIRE NUTS.

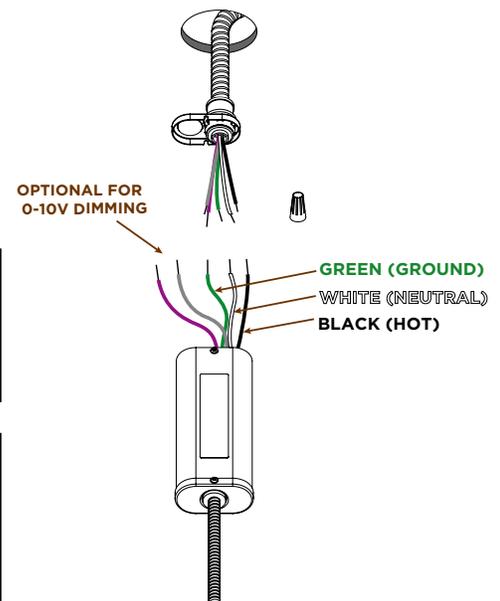
**B. FOR PAN AND REMODELER APPLICATION:**

- USE A UL LISTED CONDUIT CONNECTOR TO SECURE CONDUIT TO KNOCK-OUT CAP.
- CONNECT SUPPLY WIRES TO POWER SUPPLY UNIT AS INDICATED IN THE WIRING DIAGRAM ON PAGE 11 USING APPROVED WIRE NUTS.

**FOR FOAM BOX CONFIGURATION**



**FOR RETROFIT AND PAN CONFIGURATIONS**

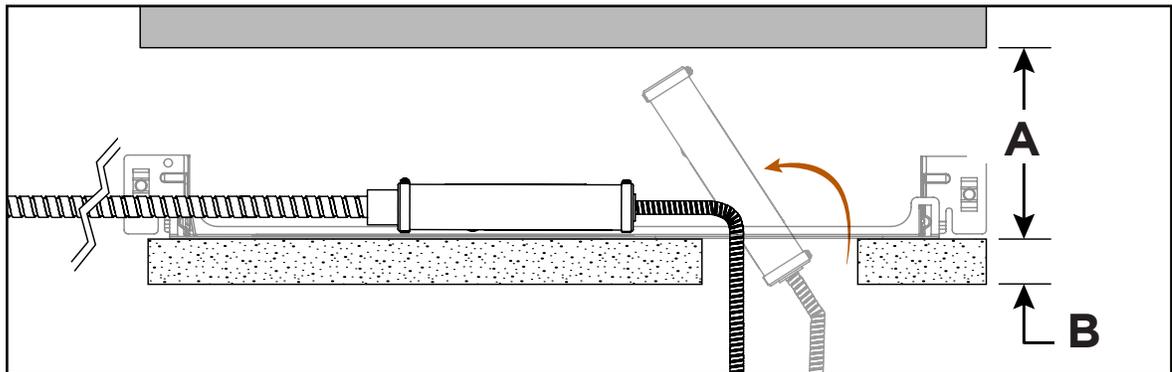
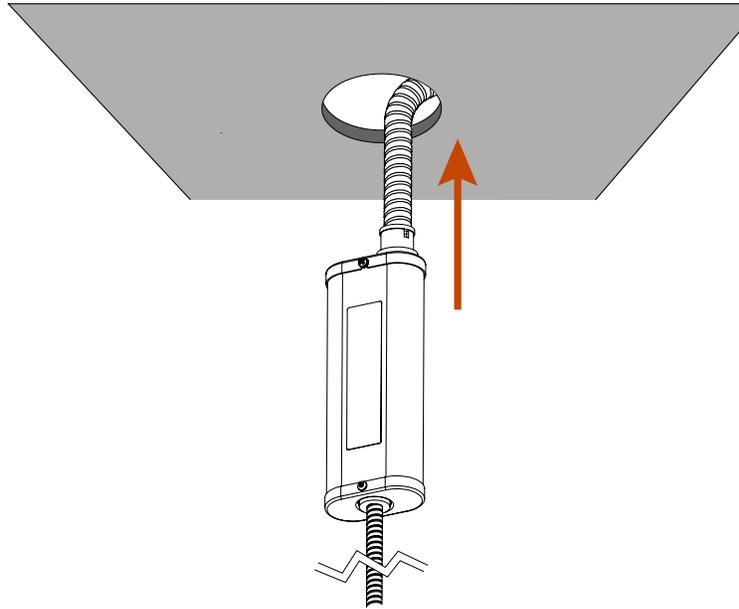


**WARNING**  
MAKE SURE THAT THERE IS NO EXPOSED STRANDS OF WIRE THAT COULD CAUSE A DANGEROUS SHORT CIRCUIT!

**WARNING**  
NEVER FASTEN THE GROUND WIRE (GREEN) TO THE HOT (BLACK) WIRE!  
FAILURE TO FOLLOW THIS INSTRUCTION COULD RESULT IN SERIOUS INJURY OR DEATH!

**STEP 8A - INSTALLATION**

PUSH ALL EXCESS WIRES INTO POWER SUPPLY BOX AND REATTACH THE KNOCK-OUT CAP TO THE POWER SUPPLY BOX. WHEN USING A CONDUIT NUT TO SECURE THE CONDUIT CONNECTOR ENSURE THE CONDUIT CONNECTOR IS PLACED IN CENTER OF THE KNOCKOUT HOLE SO THAT CONDUIT NUT CAN CLEAR THE POWER SUPPLY BOX.



**CEILING THICKNESS**

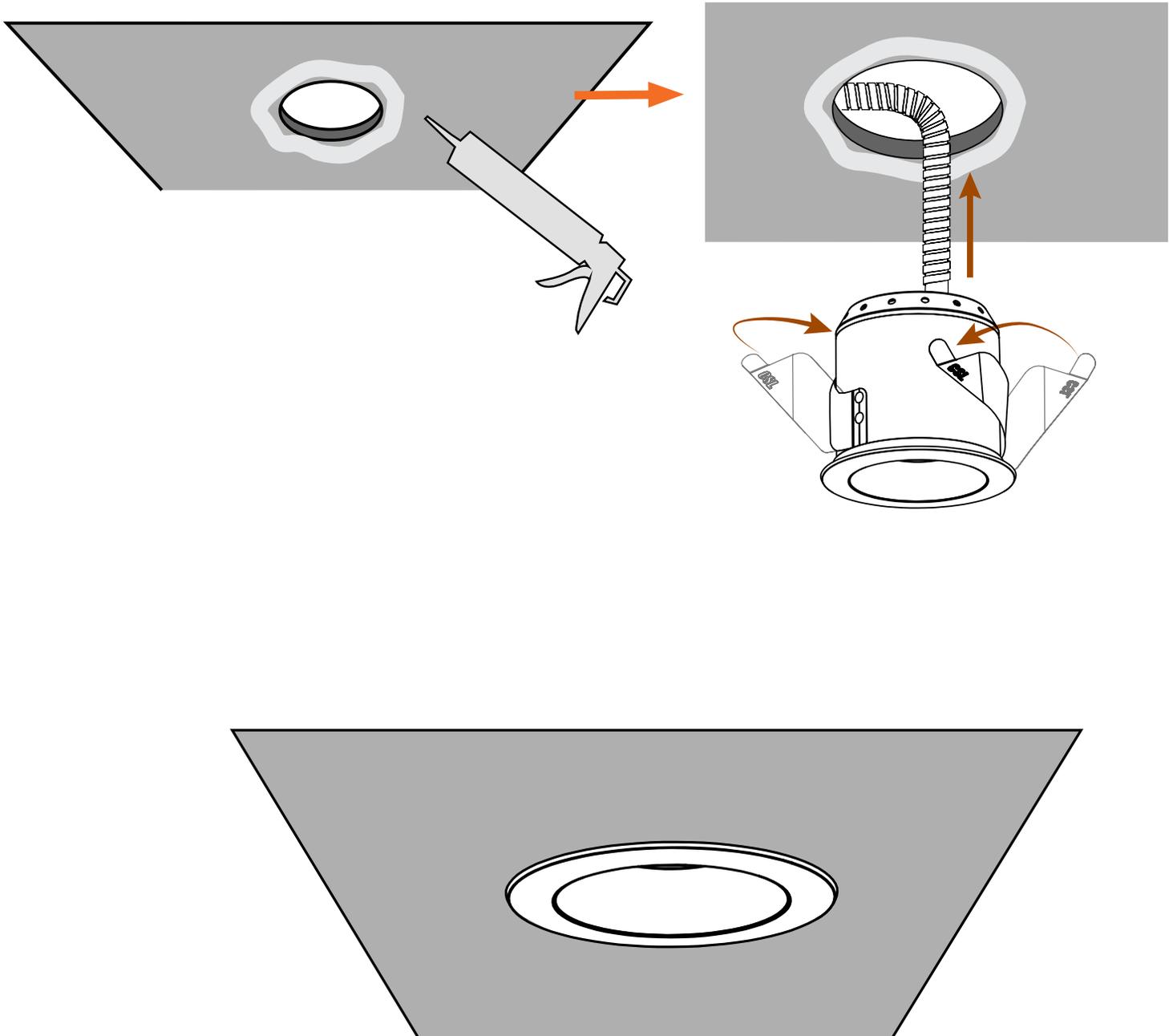
	1 IN	2 IN	3 IN
A	5-1/2"	3-1/2"	3-1/2"
B	1/2" TO 2"	1/2" TO 2"	1/2" TO 2"

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**STEP 8B - INSTALLATION**

- APPLY SILICONE CAULK BEHIND TRIM FLANGE TO CONFORM TO ASTM E283 STANDARD
- COMPRESS SPRING CLIPS AGAINST THE TRIM BODY, THEN INSERT THE WHOLE UNIT INTO THE CEILING (SLIGHTLY TURN CLOCK-WISE TO PREVENT THE CLIPS FROM CUTTING THE CEILING).

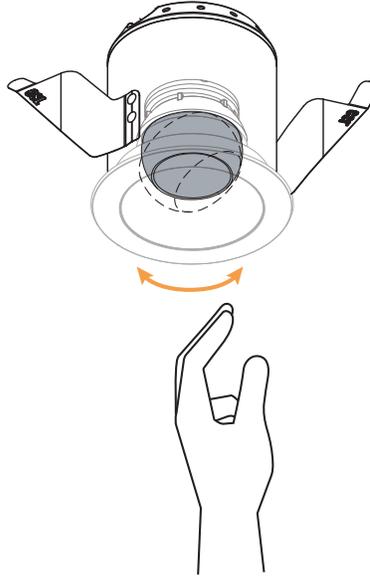


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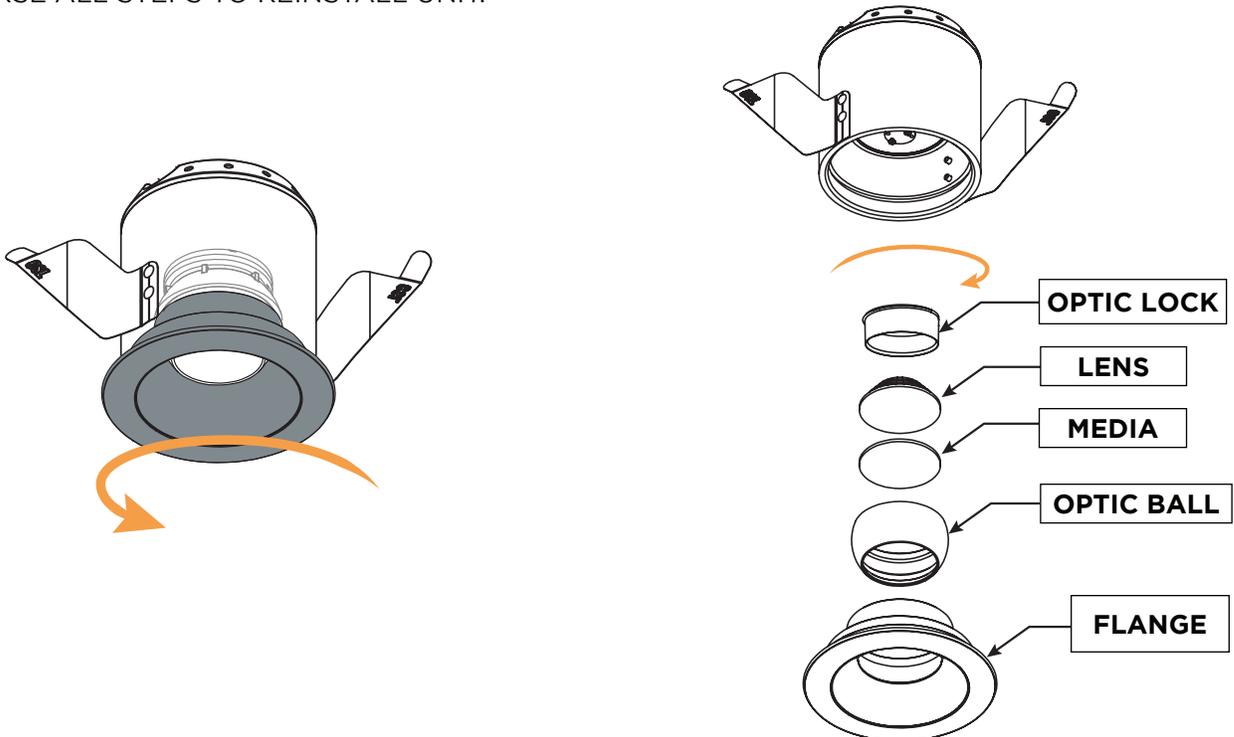
## 1", 2", &amp; 3" GYROSHIFT™ DOWNLIGHT

**LIGHT BEAM ADJUSTMENT**

LIGHT BEAM CAN BE ADJUSTED BY PUSHING AND TILTING WITH FINGERS.

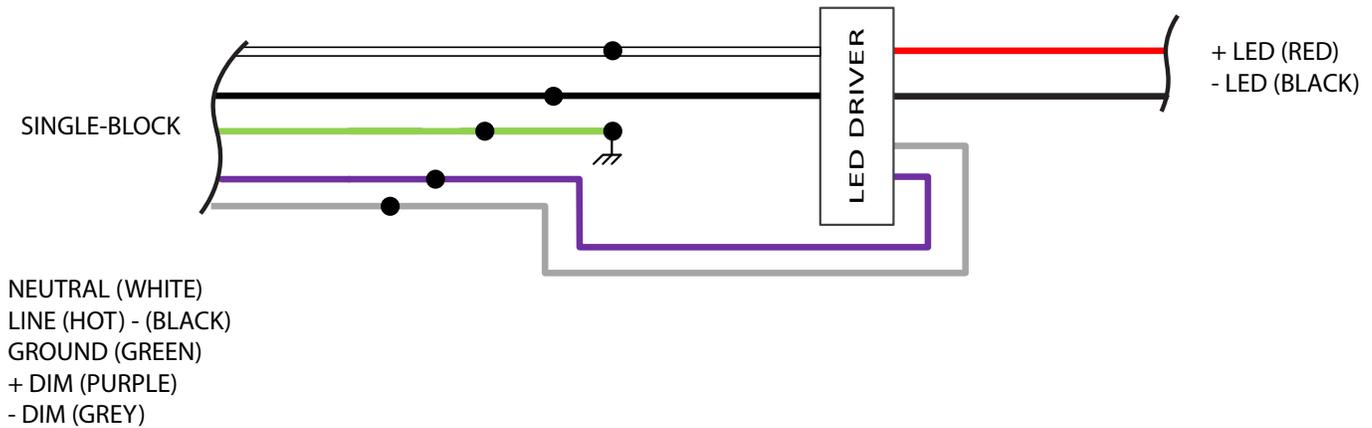
**LENS AND MEDIA REPLACEMENT**

- STEP 1: UN-THREAD THE FLANGE COUNTER-CLOCK-WISE TO REMOVE THE OPTIC BALL.  
STEP 2: INSIDE THE OPTIC BALL, UN-THREAD THE OPTIC LOCK COUNTER-CLOCK WISE UNTIL LOOSE.  
STEP 3: REPLACE LENS AND/OR MEDIA.  
STEP 4: REVERSE ALL STEPS TO REINSTALL UNIT.



**ELECTRICAL WIRING DIAGRAM**

**FOR SINGLE-BLOCK CONNECTION**



**FOR PASS-THROUGH CONNECTION**

