Installation Instructions

For Use With Gravity 2-inch New Construction IC-Rated Wall Wash
(GD2WR & GD2WS)

Covered by Patents: US 11,215,332; US 11,585,500

⚠ WARNING
Risk of electrical shock. Disconnect power before servicing or installing luminaire.

⚠ WARNING
Risk of injury or damage. Luminaire will fail if not installed properly. Follow installation instructions.
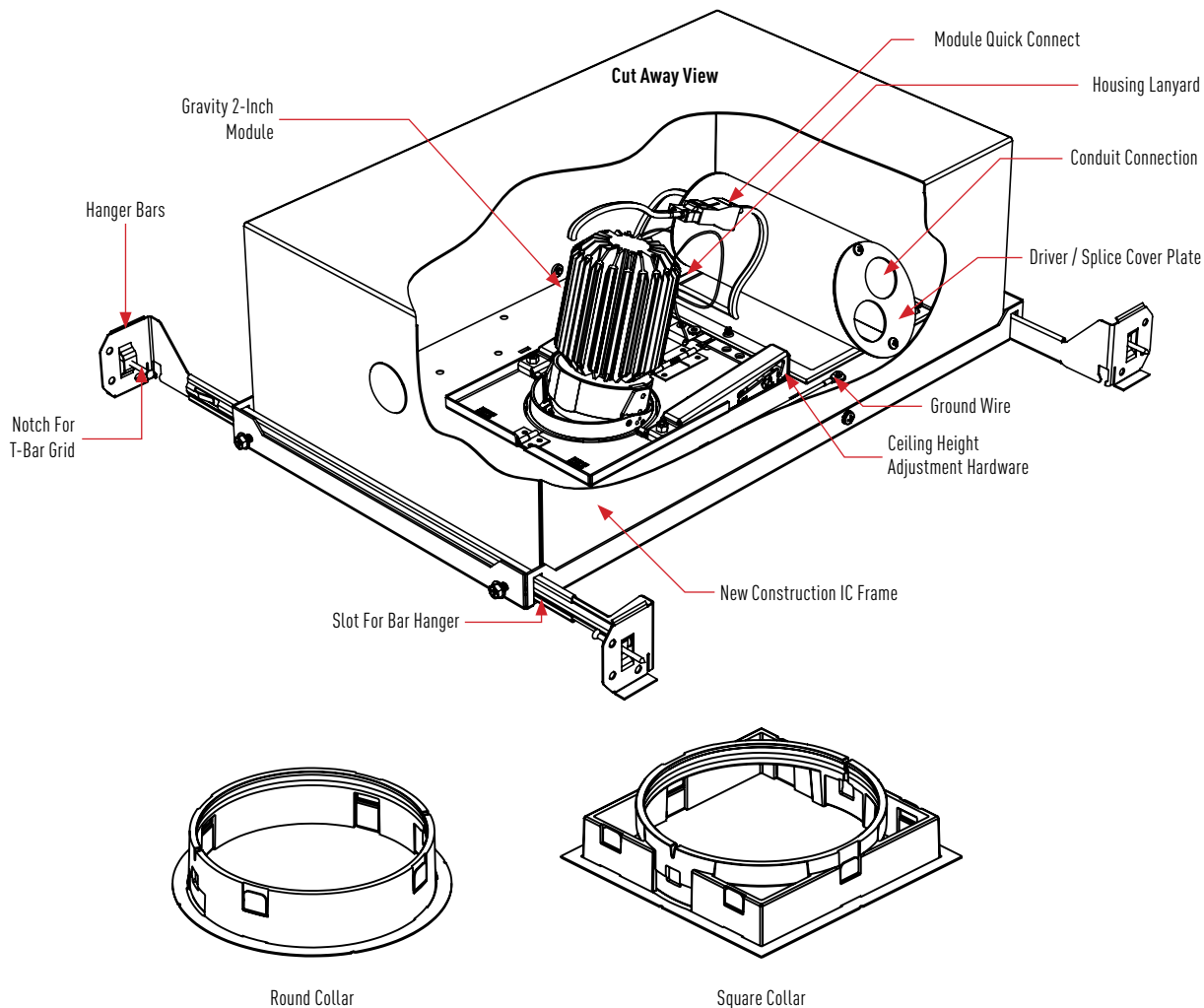
⚠ WARNING
Risk of injury. Wear safety glasses and gloves during installation and servicing. Allow ample time to cool before handling.

IMPORTANT SAFETY INSTRUCTIONS

- Read all installation instructions before installing. It is important to save these instructions.
- Only install and connect LED module with power disconnected at the circuit breaker. Hot plugging, or connecting the module with power on, could damage the LEDs and is not covered by warranty.
- Connectors on modules and approved housing are keyed for specific voltage combinations; do not force or attempt to bypass connectors.
- Observe and follow all label information and instructions regarding dry, damp and wet location listings, proper Intense LED module, warnings of installation near combustible materials and/or insulation.
- Turn off power at circuit breaker before attempting to install or perform maintenance on the fixtures.
- Be sure to connect ground wire to prevent electric shock or other potential hazards.
- The product must be installed in a manner consistent with the intended use and in compliance with the national electrical codes and local codes by a person familiar with the construction and operation of the product and the hazards involved.
- Do not block the trim aperture as this may cause unsafe operating conditions.
- **WARNING:** RISK OF FIRE. Non-IC fixture requires that insulation must be kept at least 3″ away from all sides of the fixture. Minimum of 90°C supply conductors. Consult a qualified electrician before installation.

WARNING: *Use only Intense Lighting trims listed for use with this fixture. Use of trims other than those listed by Intense Lighting is a violation of N.E.C 110-3(B) and voids all warranties.*

**Main Housing View Assembled
With IC Housing Components**

Cut Away View

- Gravity 2-Inch Module
- Module Quick Connect
- Housing Lanyard
- Conduit Connection
- Hanger Bars
- Driver / Splice Cover Plate
- Notch For T-Bar Grid
- Ground Wire
- Ceiling Height Adjustment Hardware
- New Construction IC Frame
- Slot For Bar Hanger

Round Collar

Square Collar

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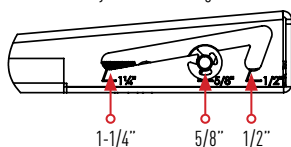**Covered by Patents:** US 11,215,332; US 11,585,500

1

COLLAR HEIGHT SETTING:
Before installing frame into ceiling set tension to ceiling thickness as indicated
(**Note:** Ceiling adjustment hardware is **NOT ACCESSIBLE BELOW CEILING** because of small aperture size)

- 1/2" setting for single 1/2" sheet rock or laminated MDF (Fig. 1) (Note: 1/2" minimum ceiling thickness)
- 5/8" setting for single 5/8" sheet rock (Fig. 2) (Note: 5/8" maximum ceiling thickness)
- 1-1/4" setting for double 5/8" sheet rock (consult factory for thicker ceilings. (Fig. 3) (Note: 1-1/4" maximum ceiling thickness)

Ceiling Height Adjustment Settings
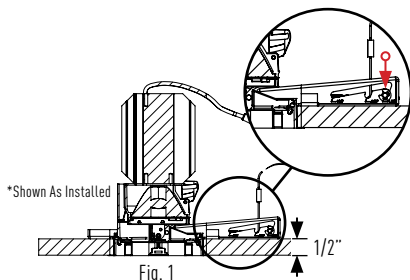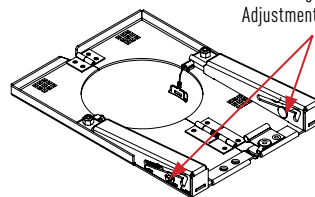
1-1/4"   5/8"   1/2"

Ceiling Height Adjustment Hardware

*Shown As Installed   1/2"   Fig. 1

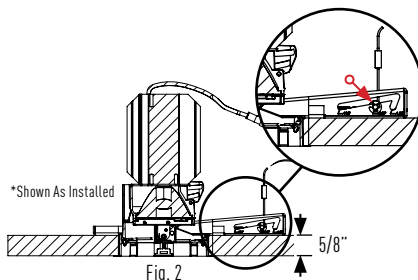*Shown As Installed   5/8"   Fig. 2
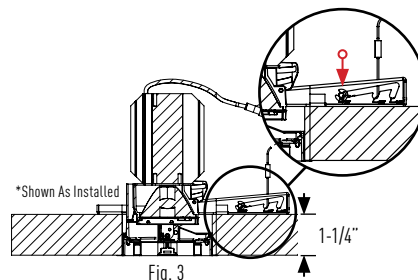
*Shown As Installed   1-1/4"   Fig. 3

2

REMOVE COVER PLATE:
1. Remove (2) M3 pan head screws and junction box cover plate
2. Remove knockout on cover plate and attach flexible conduit or Romex® cable (**Note:** Use enough conduit to ensure that driver box can be pulled through ceiling aperture)
3. Connect new construction ground wire to driver / splice housing ground wire outside of housing
4. Make electrical connections
5. Insure conduit connection clamp does not interfere with cover sitting flush

Note: Do not remove factory wiring, only pull cover plate out far enough to make electrical connection to supplied power.
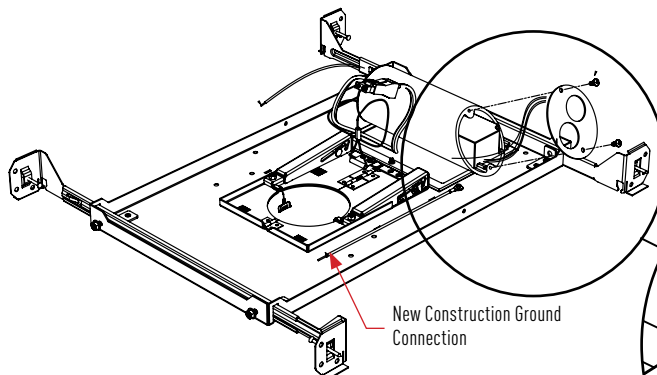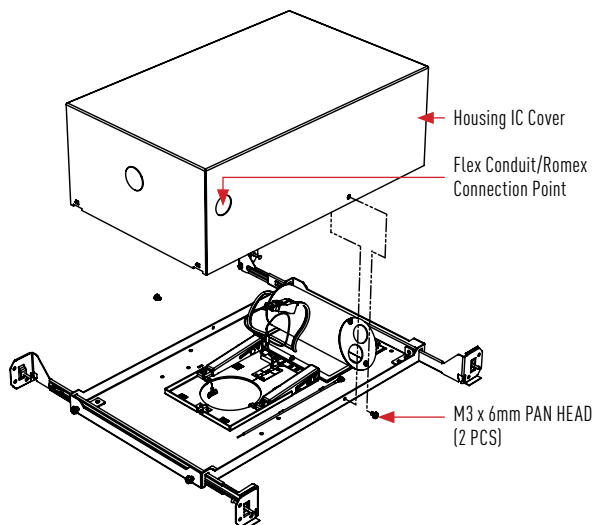
New Construction Ground Connection

Cover Plate

Flex Conduit

M3 x 6mm Pan Head (2 PCS)

3
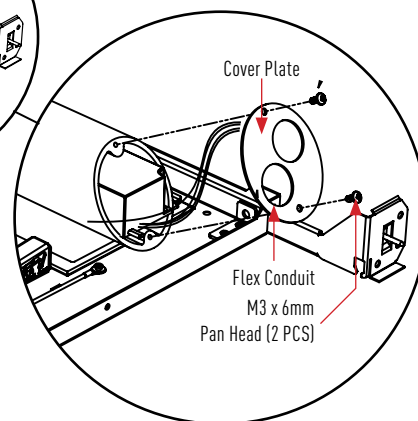
COLLAR INSTALLATION:
1. Run flex conduit from rigid to flex connection (provided by others) with flex conduit clamp (supplied by others) through IC housing with no less than 14" of flex inside of IC housing for service access
2. Make electrical connections
3. Place housing back onto ceiling frame
4. Attach housing cover with (2) 6-32 fasteners provided

Housing IC Cover

Flex Conduit/Romex Connection Point

M3 x 6mm PAN HEAD (2 PCS)

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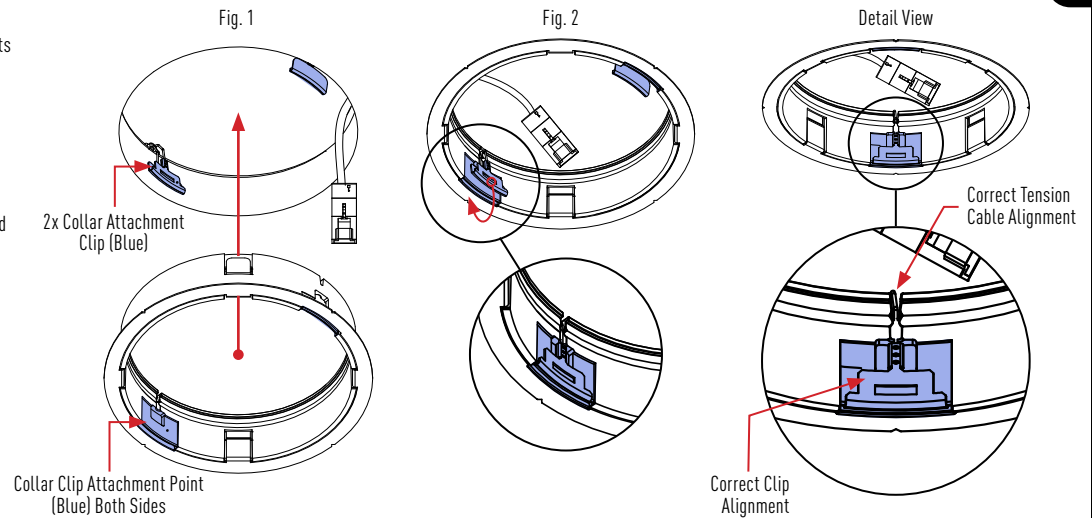
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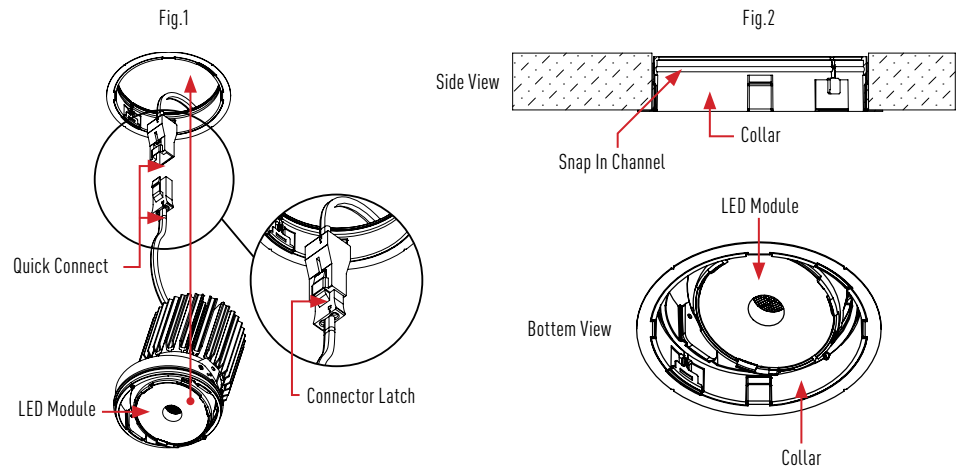
4

COLLAR INSTALLATION:
1. Push blue attachment clips flush against ceiling. Align collar at blue attachment points with blue clips. (See Fig. 1)
2. Grip attachment clip and pull tension down below ceiling level and engage clip onto attachment point (Fig. 2)
3. Repeat step on other side of collar while holding collar in place
4. Collar should be flush against the ceiling and clip evenly placed in position (see detail)

Fig. 1

Fig. 2

Detail View

2x Collar Attachment Clip (Blue)

Collar Clip Attachment Point (Blue) Both Sides

Correct Tension Cable Alignment

Correct Clip Alignment

5

MODULE INSTALLATION:
1. Check that power is off at breaker, hot plugging may damage LEDs.
2. Install module at 0° angle
3. Connect female quick connect from housing to male quick connect on module, insure that the connector latch has snapped into place (Fig. 1)
4. While holding opposite sides evenly push module to snap into channel and confirm module sits parallel to ceiling line and is securely fastened into housing (Fig. 2)
5. Tighten set screws to secure module in place

NOTE: Must keep minimum of 8-inch of space between LED module and driver housing

Fig.1

Fig.2

Side View

Snap In Channel

Collar

Quick Connect

LED Module

Connector Latch

LED Module

Bottom View

Collar

6

TRIM INSTALLATION:
1. Position trim clips to collar attachment locations
2. Press trim against ceiling until flush with ceiling

Clip Attachment Locations (4 Places)

Clip Attachment Locations (4 Places)
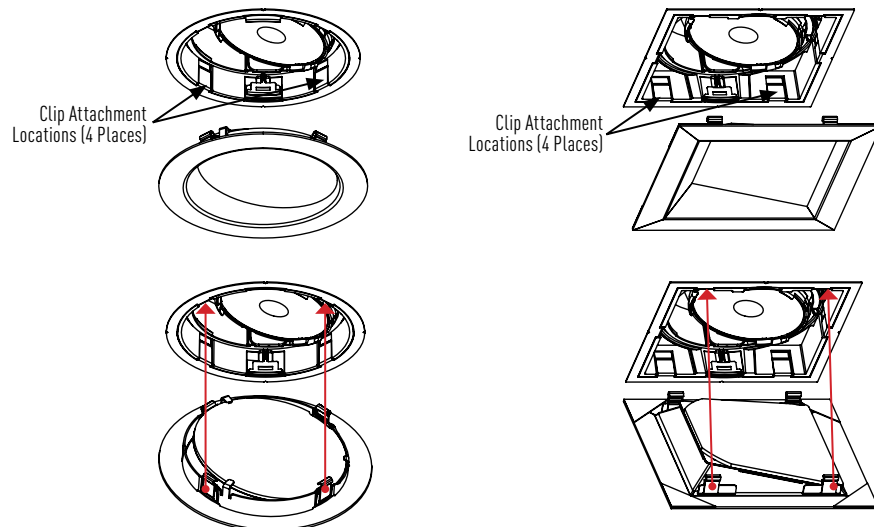
INSTRUCTIONS L/M-12122024 P-3

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For Use With Gravity 2-inch New Construction IC-Rated Wall Wash
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TRIMLESS INSTALLATION:

L1

TRIMLESS MUD RING INSTALL:

1. Find the orientation features (blue clip location on mud ring) and align With the blue indicators on collar (Fig. 1)
2. Peel off backing on mud ring (Fig. 2)
3. Press the collar into the mud ring (Fig. 3)

Fig. 1

Mud Flange

Blue Clip

Fig. 3

Fig. 2

Collar

Blue Indicators

L2
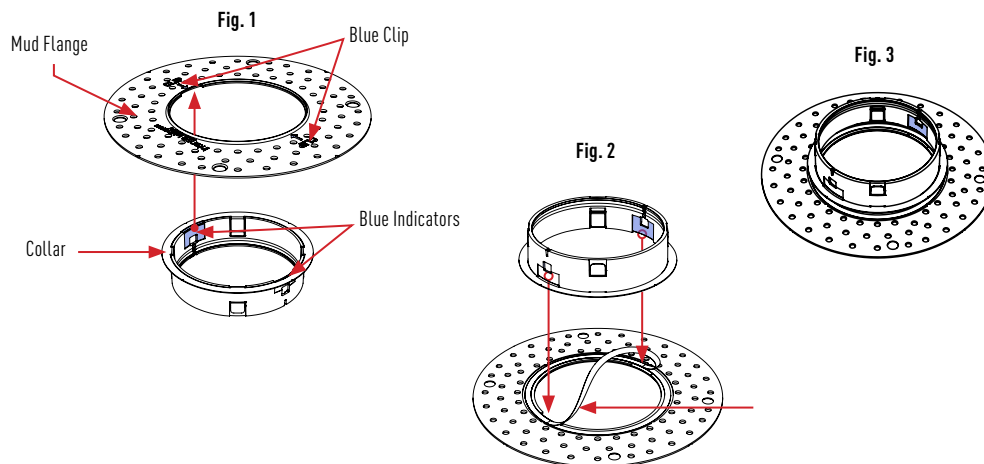
TRIMLESS INSTALLATION

1. Align collar at blue attachment points with blue clips. Push collar flush against the ceiling (Fig. 1)
2. Grip attachment clip and pull tension down below ceiling and engage clip onto attachment point, push flush to ceiling (Fig. 2)
3. Repeat steps for other clip
4. Mud ring should be flush against the ceiling and the clip evenly placed in position
5. Secure perforated mud ring to housing using #6 drywall screws (supplied by others) (Fig. 3)
6. Insure mud flange is centered to fixture opening
7. Apply joint compound over perforated mud ring and feather out accordingly

Fig. 1

Fig.2

Fig.3

Tension

Attachment Point

#6 drywall screws

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Installation Instructions

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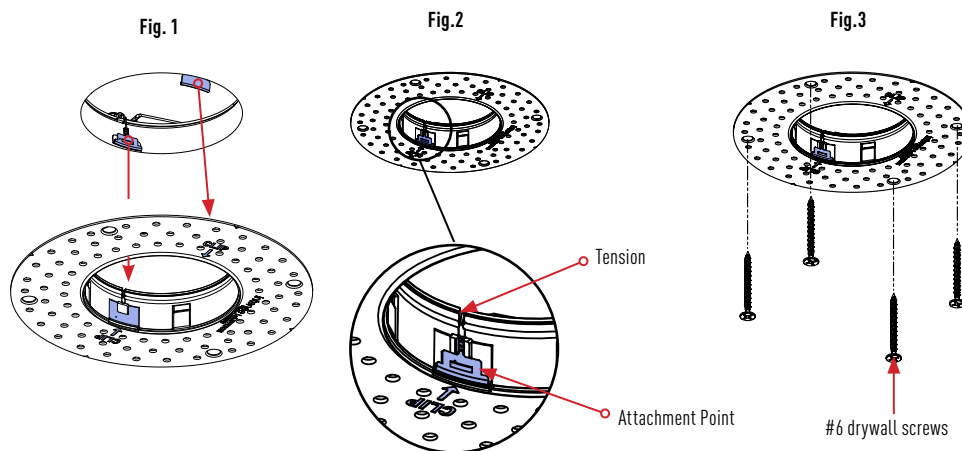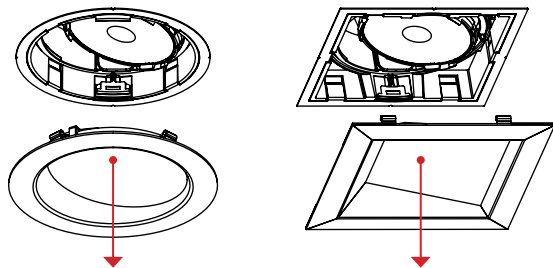**Covered by Patents:** US 11,215,332; US 11,585,500
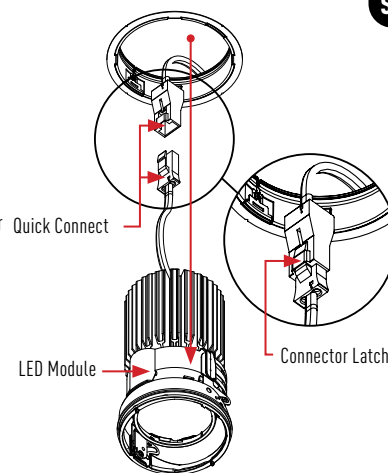
LED MODULE & DRIVER SERVICING:

TRIM REMOVAL: **S1**

1. Remove trim from fixture by pulling trim out one side at a time.
2. To reinstall trim please see page 3, section 5
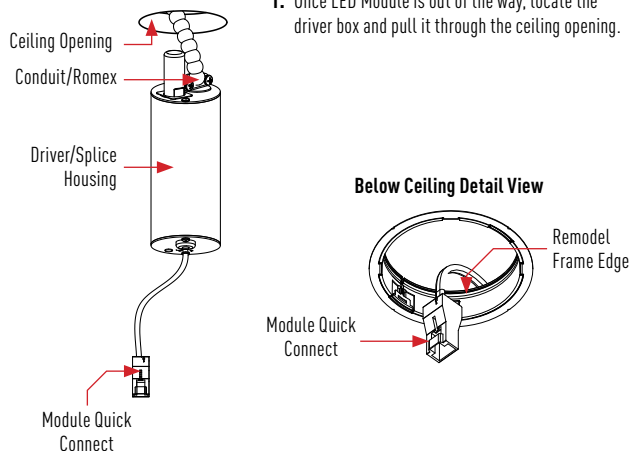

LED MODULE REMOVAL: **S2**

1. Check that power is off at breaker, hot plugging may damage LEDs.
2. Adjust the LED module to 0° angle (See page 3, section 4 for details)
3. Pull module down to unsnap it from the collar channel
4. Disconnect quick connect from housing by pressing on the connector latch
5. To reinstall LED module please see page 3, section 4

Quick Connect
Connector Latch
LED Module

DRIVER BOX REMOVAL: **S3**

1. Once LED Module is out of the way, locate the driver box and pull it through the ceiling opening.

Ceiling Opening
Conduit/Romex
Driver/Splice Housing
Module Quick Connect

Below Ceiling Detail View

Remodel Frame Edge
Module Quick Connect

DRIVER SERVICING: **S4**

1. Remove (2) M3 pan head screws and junction box cover plate
2. Makes necessary maintenance and or replacement.
3. Make necessary wire connection, replace cover and tighten screws once completed
4. To reinstall driver box please see page 2, section 2

Cover Plate
Flex Conduit
M3 x 6mm Pan Head (2 PCS)
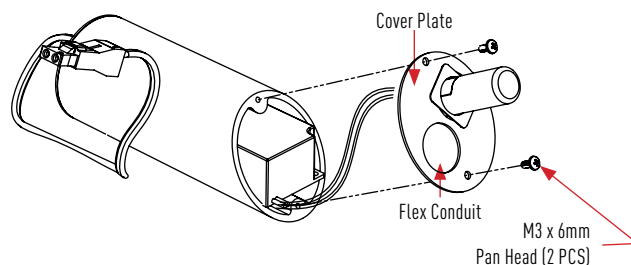
COLLAR ATTACHMENT SERVICING **S5**

In the event of tension cable system failure consult factory for a replacement remodel frame in kit

1. Remove Trim (See page 6, section S1 for trim removal instructions)
2. Remove LED Module (See page 6, section S2 for LED Module removal instructions)
3. Pull Down Remodel Frame with Driver/Splice Housing (See page 6, section S3 for Driver/Splice Housing removal instructions)
4. Clip New Remodel Frame To existing Driver/Splice Housing using the existing frame attachment point.
5. Reinsert Driver/Splice Housing and old Remodel Frame into ceiling and Install new Remodel Frame. (See pages 2-3 for fixture install instructions)

Ceiling Opening
Conduit/Romex
Driver/Splice Housing
Frame Attachment Point
Module Quick Connect
Remodel Frame
Collar Attachment Clip (2 Pcs)

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Installation Instructions
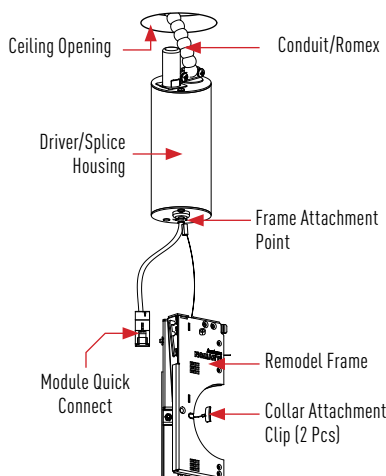
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REMOTE DRIVER OPTION

1

Two 1/4 Inch Mounting Holes

6 Inches On Center

Ground Hole

6.00in
[152.4mm]

2

REMOTE BOX INSTALLATION

1. Remove two 8-32 fasteners and save to reinstall cover plate
2. Remove cover plate
3. Remove required knockouts and run conduit to junction box fixture is attached to (*maximum 50 feet length from fixture")

Cover Plate

(2) 8-32 Fasteners Supllied With Housing

Remote Box

3

REMOTE BOX INSTALLATION

1. Run connecting wires for led driver class 2 by local and national electrical regulations, minimum 18 awg wire and at maximum 50 feet length
2. Drill an additional hole for high voltage conduit and run high-voltage input wiring separate from the led driver wiring.
3. Attach remote box at two 1/4" holes on 6 inch centers with frame in installation hardware (supplied by others)
4. Make electrical connections (See Page 1, Section 1)
5. Reinstall cover plate with supplied 8-32 hardware, insure wires are clear of box edges not pinched or damaged when cover is screwed down

Ground Fastener

Frame in installation hardware (supplied by others)
(2) Ø¼" holes on 6 inch center

Supplied By Others

Supplied By Others

Second termination to be done in field

LED Driver

Mounting Holes

Note: *Not Rated For Through Wiring*

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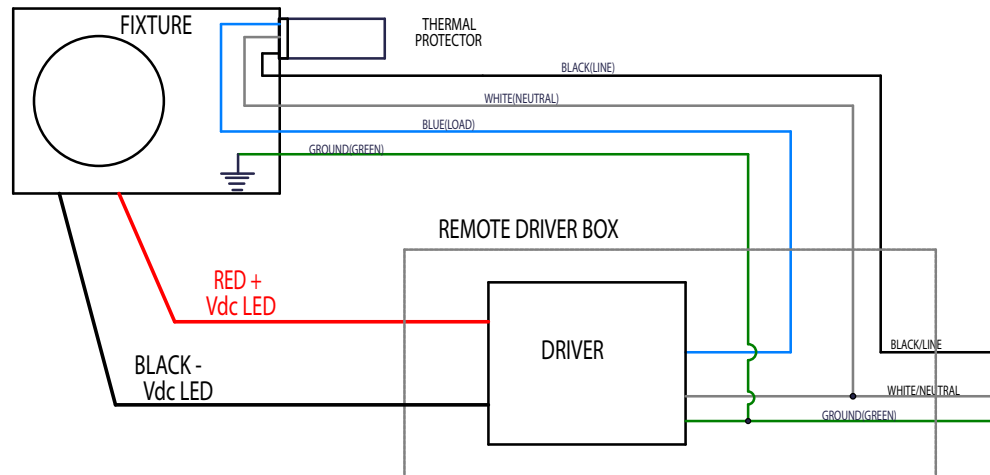
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WIRING DIAGRAM

4

FIXTURE

THERMAL PROTECTOR

BLACK(LINE)

WHITE(NEUTRAL)

BLUE(LOAD)

GROUND(GREEN)

REMOTE DRIVER BOX

RED +
Vdc LED

DRIVER

BLACK -
Vdc LED

BLACK/LINE

WHITE/NEUTRAL

GROUND(GREEN)

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WIRING & DIMMING COMPATIBILITY

For use with all Intense Lighting product with supported dimming options.
Please check configuration of product for correct dimming protocol.

Phase Dimming or Lutron® LTEA2W Hi-Lume 2-Wire

- 120V Only
- Forward 1% / Reverse 5%

COMPATIBLE DIMMERS

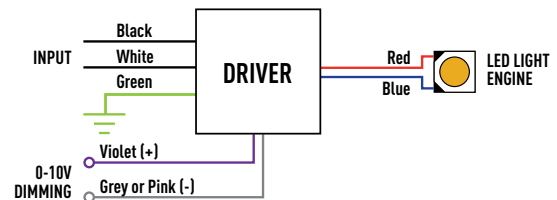| Product	Part Number(s)	Type
Leviton	IPE04	Reverse
Leviton	IPI06-1LZ	Forward
Leviton	6633-P	Forward
Lutron	DVELV300P	Reverse
Lutron	DVCL-153P	Forward
Lutron	S600P	Forward
Cooper	DLC03P	Forward
Cooper	DAL06P	Forward
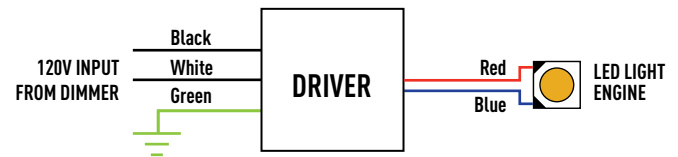
0-10V Dimming

- 120V or 277V
- Dims down to 1% or 0.1% light output
- Consult dimming manufacturer for installation instructions and power packs

COMPATIBLE DIMMERS

| Manufacturer	Part Number(s)
HUNT	PS-010-IV-120V, PS-010-WH-120V, PS-010-3W-IV-120, PS-010-3W-WH-120V, PS-010-IV-277V, PS-010-WH-277V, PS-010-3W-IV-277V, PS-010-3W-WH-277V, FD-010: PS-IFC-010-IV, PS-IFC-010-WH-120/277V, FD-010: PS-IFC-010-3W-IV, PS-IFC-010-3W-WH-120/277V, FD-010-120V, FD-010-277V
Leviton	Leviton Centura Fluorescent Control System, IllumaTech™ IP7 Series, DPSPE-212
Lightolier	ZP600FAM120, MP1500FAM120, V2000FAMU
Lithonia	LEQ BC, LEQ LVBC, SLD LVBC, SQ1DC
Lutron	DVTV, NTFTV
Synergy	ISD BC 120/277

Lutron® LDE1 Hi-Lume EcoSystem

- 120V or 277V
- Dims down to 1%
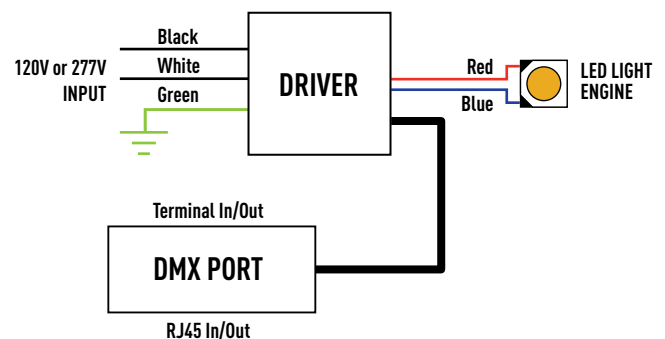- Consult dimming manufacturer for installation instructions

COMPATIBLE DIMMERS

Product	Part Number(s)
EcoSystem	CS-1L-WM, CS-2L-WM, CS-1L-CM, CS-2L-CM, EcoSystem ESN, Grafik Eye QS with EcoSystem, Quantum
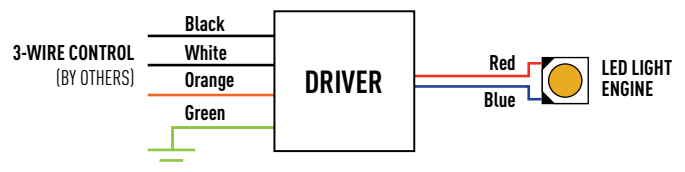
DMX512 RDM (Downlights with RJ45)

- 120V or 277V
- Dims Down to 0.1% Light Output
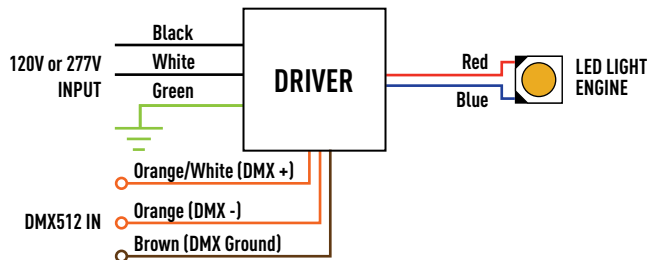- RDM Channel Programmable

WIRING & DIMMING COMPATIBILITY

For use with all Intense Lighting product with supported dimming options.
Please check configuration of product for correct dimming protocol.

DMX512 RDM (Cylinders without RJ45)

- 120V or 277V
- Dims Down to 0.1% Light Output
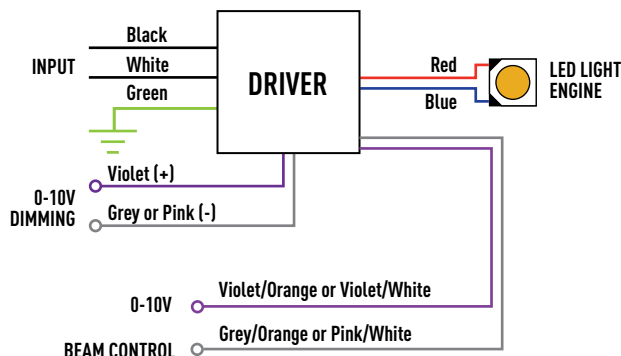- RDM Channel Programmable

0-10V With Dynamic Beam

- 120V or 277V
- Dims down to 1% or 0.1% light output
- Consult dimming manufacturer for installation instructions and power packs

COMPATIBLE DIMMERS

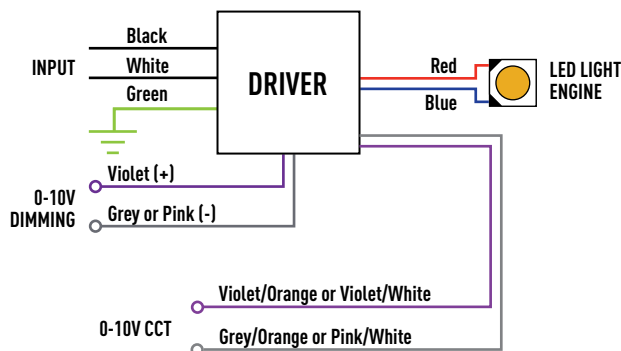| Manufacturer	Part Number(s)
HUNT	PS-010-IV-120V, PS-010-WH-120V, PS-010-3W-IV-120, PS-010-3W-WH-120V, PS-010-IV-277V, PS-010-WH-277V, PS-010-3W-IV-277V, PS-010-3W-WH-277V, FD-010: PS-IFC-010-IV, PS-IFC-010-WH-120/277V, FD-010: PS-IFC-010-3W-IV, PS-IFC-010-3W-WH-120/277V, FD-010-120V, FD-010-277V
Leviton	Leviton Centura Fluorescent Control System, IllumaTech™ IP7 Series, DPSPE-212
Lightolier	ZP600FAM120, MP1500FAM120, V2000FAMU
Lithonia	LEQ BC, LEQ LVBC, SLD LVBC, SQ1DC
Lutron	DVTV, NTFTV
Synergy	ISD BC 120/277

0-10V With Tunable White

- 120V or 277V
- Dims down to 1% or 0.1% light output
- Consult dimming manufacturer for installation instructions and power packs

COMPATIBLE DIMMERS

Manufacturer	Part Number(s)
HUNT	PS-010-IV-120V, PS-010-WH-120V, PS-010-3W-IV-120, PS-010-3W-WH-120V, PS-010-IV-277V, PS-010-WH-277V, PS-010-3W-IV-277V, PS-010-3W-WH-277V, FD-010: PS-IFC-010-IV, PS-IFC-010-WH-120/277V, FD-010: PS-IFC-010-3W-IV, PS-IFC-010-3W-WH-120/277V, FD-010-120V, FD-010-277V
Leviton	Leviton Centura Fluorescent Control System, IllumaTech™ IP7 Series, DPSPE-212
Lightolier	ZP600FAM120, MP1500FAM120, V2000FAMU
Lithonia	LEQ BC, LEQ LVBC, SLD LVBC, SQ1DC
Lutron	DVTV, NTFTV
Synergy	ISD BC 120/277

DALI With Tunable White

- 120V or 277V
- Dims down to 0.1%

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