Installation Instructions
6" & 8" Gravity Square Wall Wash

> ⚠ **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.
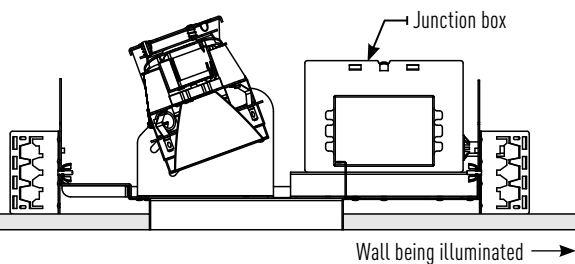
> ⚠ **WARNING**
>
> Risk of injury. Wear safety glasses and gloves during installation and servicing. Allow ample time to cool before handling.

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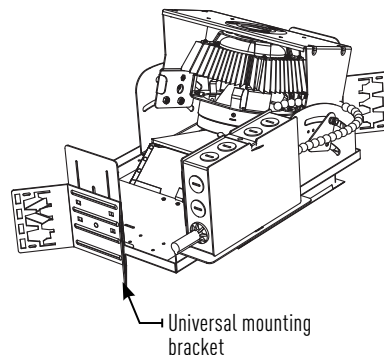
WARNING: *Use only Intense Lighting trims listed for use with this fixture. Use of trims other than those listed by Intense Lighting is a violation of N.E.C 110-3(B) and voids all warranties.*

IMPORTANT: Junction box must be closest to the wall being illuminated.

Junction box

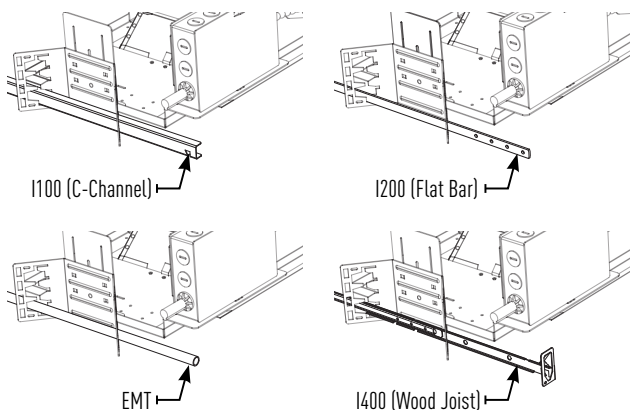Wall being illuminated →

HOUSING INSTALLATION: `1`

1. Mount fixture housing according to ceiling type.
- Universal mounting bracket has slot openings for C-channel, flat bar, and ½" EMT; secure to joist or grid using fasteners or wire. C-channel hangers are recommended for T-Bar ceilings, install with notches facing down to engage T-Bar grid.
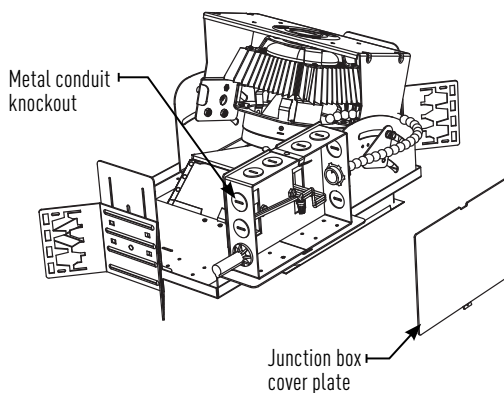2. Junction box should be aimed towards the wall that is to be illuminated.

Universal mounting bracket

MOUNTING: `2`

Bar hanger mounting brackets offer several height choices depending on installation requirements. C-Channel, EMT and other joist bars can be ordered for various ceiling types.
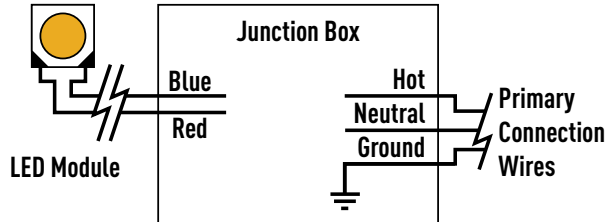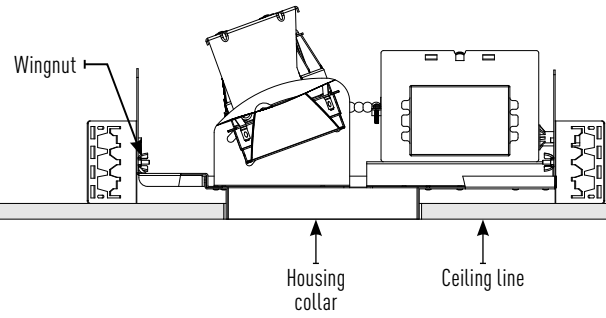

I100 (C-Channel)

I200 (Flat Bar)

EMT

I400 (Wood Joist)

WIRING `3`

Metal conduit knockout

Junction box cover plate

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Installation Instructions

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ELECTRICAL CONNECTIONS: **4**

1. Make electrical connections through desired knockout for conduit or Romex® cable. Use only UL listed connectors.
2. Connect black wire from fixture to black (HOT) supply wire, white wire from fixture to white (NEUTRAL) supply wire and connect the ground from fixture to green (GROUND) supply wire. Use UL listed connectors or wire nuts to make the connections (provided by others). Connect dimming wires if applicable, see page 4.
3. Close and lock junction box door ensuring all wire connections and wire are contained within.
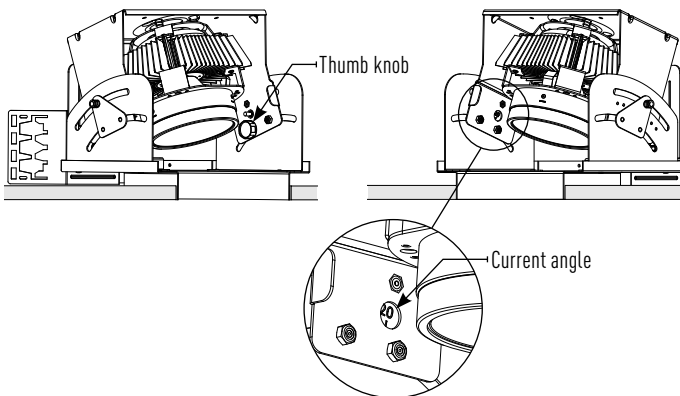
Junction Box

Blue
Red

Hot
Neutral
Ground

Primary
Connection
Wires

LED Module

HOUSING HEIGHT ADJUSTMENT: **5**

Loosen wingnut to make adjustments so that housing collar is flush with ceiling line.

Wingnut

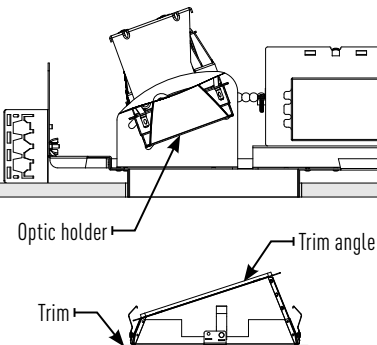Housing collar

Ceiling line

ADJUSTING ANGLE: **6**

The wall wash mechanism must be set at 20º to allow the maximum output. The housing includes a locking mechanism that is locked and unlocked with a thumb knob. Loosen the thumb knob to allow the mechanism to be adjusted. On the opposite side of the thumb knob shows the current angle of the mechanism.

Thumb knob

Current angle

TRIM INSTALLATION: **7**

1. Push trim into housing ensuring the trim is flush to the ceiling. Make sure trim angle is parallel to optic holder.
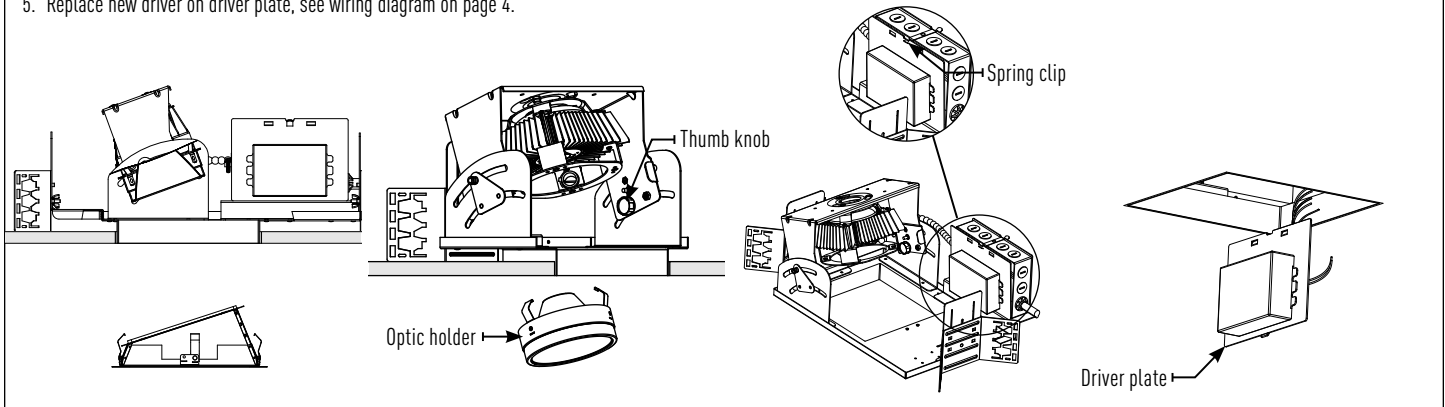2. Once all fixtures have been installed, power at the breaker can be restored.

Optic holder

Trim angle

Trim

STOP

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Installation Instructions
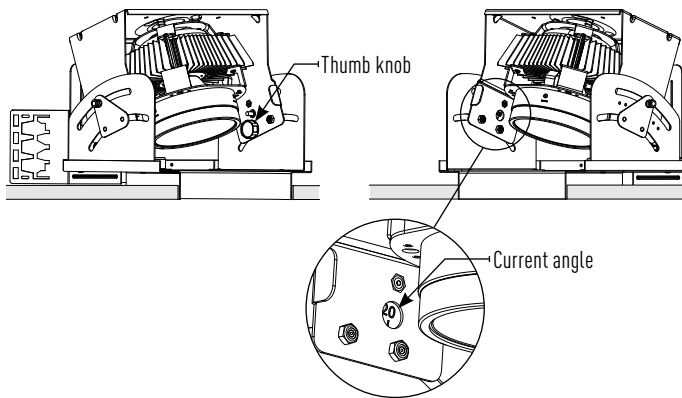
6″ & 8″ Gravity Square Wall Wash

MAINTENANCE:

1. Remove the trim from the housing by pulling down the trim.
2. Remove optic holder from the assembly. If necessary, loosen thumb knob to allow the mechanism to adjust freely.
3. Push up on the spring clip on the junction box to release the driver plate.
4. Disconnect the driver and remove driver plate from the junction box.
5. Replace new driver on driver plate, see wiring diagram on page 4.

Spring clip

Thumb knob

Optic holder

Driver plate

ADJUSTING ANGLE:

If the LED module needs to be adjusted, the housing includes a locking mechanism that is locked and unlocked with a thumb knob. Loosen the thumb knob to allow the mechanism to be adjusted. On the opposite side of the thumb knob shows the current angle of the mechanism. The wall wash mechanism must be set at 20° to allow the maximum output.

Thumb knob

Current angle

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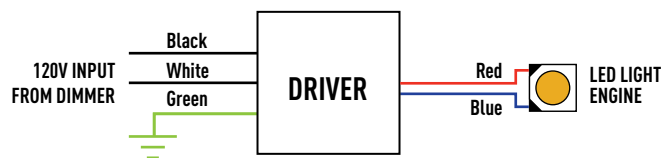
WIRING & DIMMING COMPATIBILITY

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

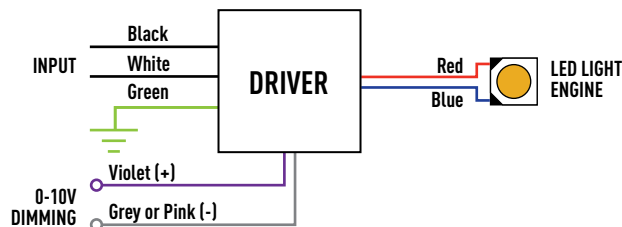| Product	Part Number(s)	Type
Leviton	IPE04	Reverse
Leviton	IPI06-1LZ	Forward
Leviton	6633-P	Forward
Lutron	DVELV300P	Reverse
Lutron	DVCL-153P	Forward
Lutron	S600P	Forward
Cooper	DLC03P	Forward
Cooper	DAL06P	Forward

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

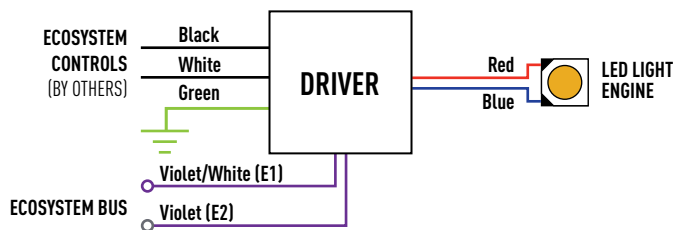| Manufacturer	Part Number(s)
HUNT	PS-010-IV-120V, PS-010-WH-120V, PS-010-3W-IV-120, PS-010-3W-WH-120V, PS-010-IV-277V, PS-010-WH-277V, PS-010-3W-IV-277V, PS-010-3W-WH-277V, FD-010: PS-IFC-010-IV, PS-IFC-010-WH-120/277V, FD-010: PS-IFC-010-3W-IV, PS-IFC-010-3W-WH-120/277V, FD-010-120V, FD-010-277V
Leviton	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%
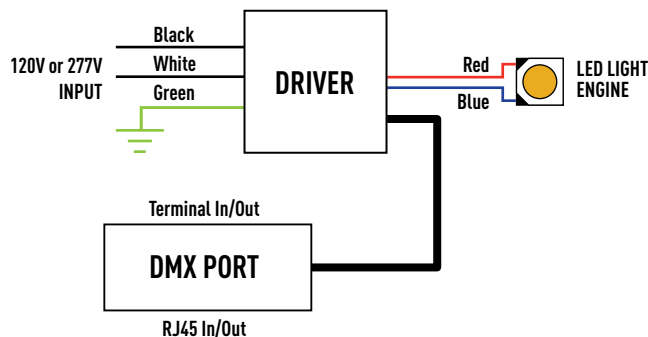- Consult dimming manufacturer for installation instructions

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
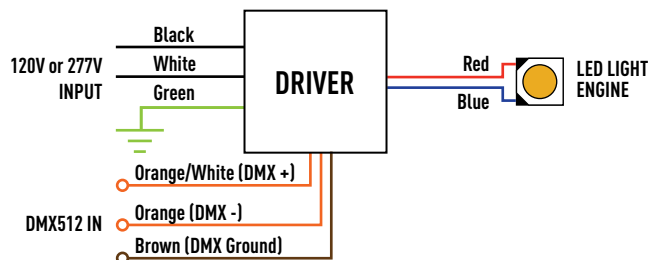- RDM Channel Programmable

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
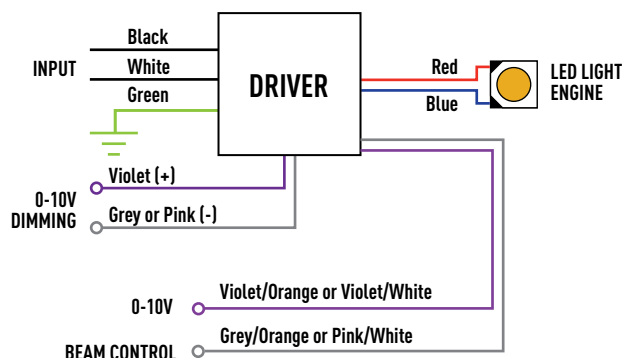- RDM Channel Programmable

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

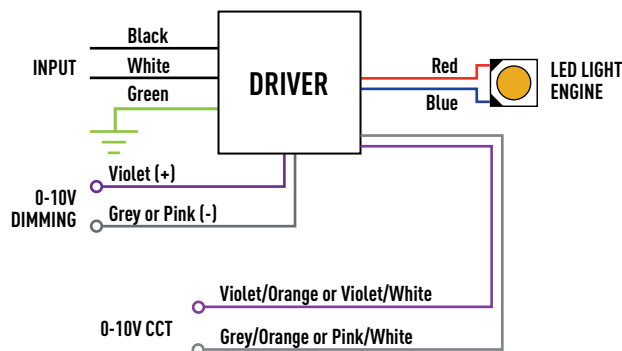| Manufacturer	Part Number(s)
HUNT	PS-010-IV-120V, PS-010-WH-120V, PS-010-3W-IV-120, PS-010-3W-WH-120V, PS-010-IV-277V, PS-010-WH-277V, PS-010-3W-IV-277V, PS-010-3W-WH-277V, FD-010: PS-IFC-010-IV, PS-IFC-010-WH-120/277V, FD-010: PS-IFC-010-3W-IV, PS-IFC-010-3W-WH-120/277V, FD-010-120V, FD-010-277V
Leviton	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%