Installation Instructions

4″ Gravity Shallow Downlight (For use with IHOL-S4D & GDS4D)

⚠ 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 housings 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.*
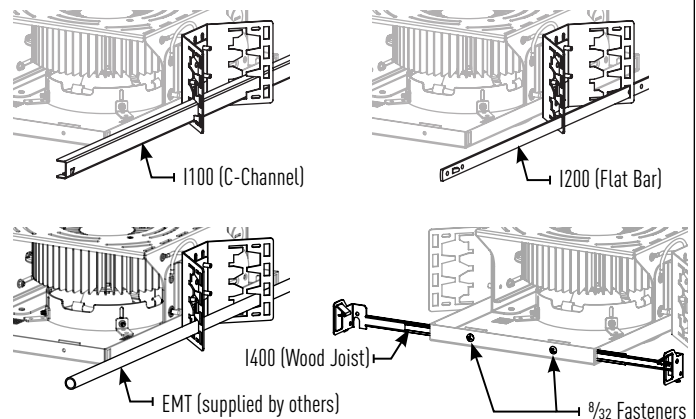
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1 — HOUSING INSTALLATION:

1. Cut out the ceiling hole to 5 ¼″ diameter.
2. 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.
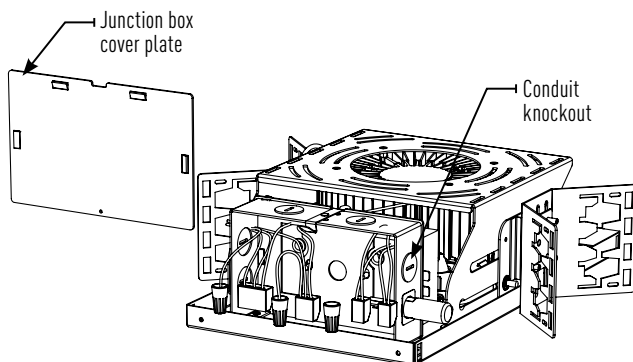

Universal mounting bracket

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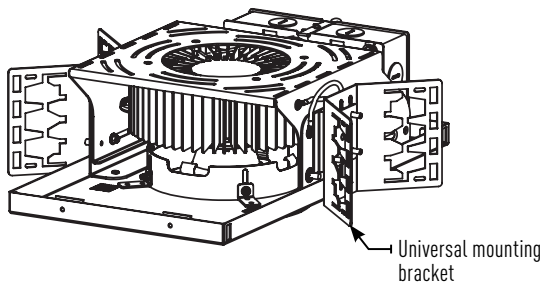
2 — MOUNTING:

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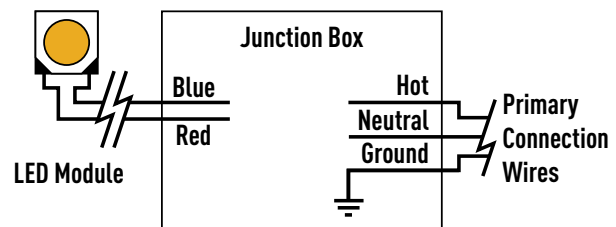

I100 (C-Channel)
I200 (Flat Bar)
I400 (Wood Joist)
EMT (supplied by others)
⁸/₃₂ Fasteners

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3 — WIRING

Junction box cover plate
Conduit knockout

NOTE: For limited plenum space, use knockouts on the sides of the junction box

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4 — ELECTRICAL CONNECTIONS:

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

LED Module
Blue
Red
Junction Box
Hot
Neutral
Ground
Primary Connection Wires

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Installation Instructions

4˝ Gravity Shallow Downlight

5

HOUSING HEIGHT ADJUSTMENT:

1. To ensure the housing sits flush with the top of the ceiling, remove optic from the fixture by turning the optic counter clockwise.
2. Move the sliding mechanism by using thumb tabs to slide heat sink assembly aside.
3. Loosen (2) wing nuts to make adjustments so that the housing frame is against the top of the ceiling. After housing adjustment, tighten wing nuts in place.
4. Use thumb tab to slide heat sink assembly back in place.

Slides →

Optic

Thumb tabs

Wing nuts

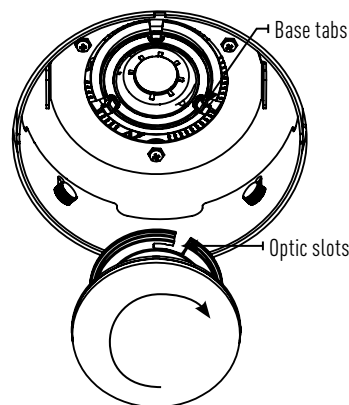**NOTE:** Avoid contact with LED, may damage light source

6
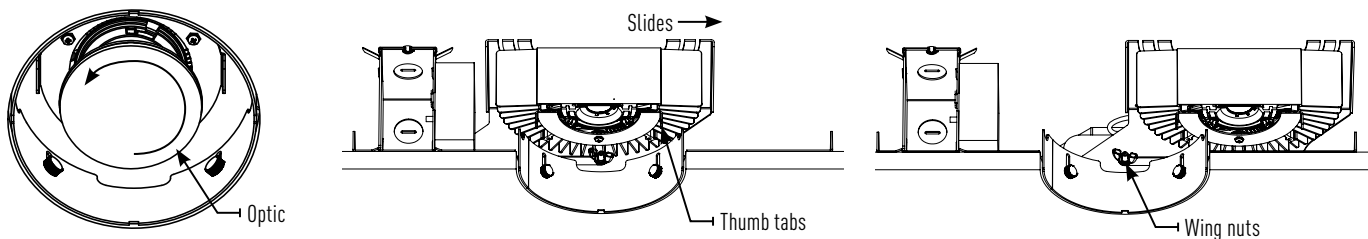
COLLAR HEIGHT ADJUSTMENT:

Loosen (4) thumb knobs on collar to make adjustments so that the housing collar is flush with the ceiling line. The collar will accommodate ceiling thicknesses from ⅝˝ to 1 ¼˝. After adjusting collar, lock thumb knobs in place.
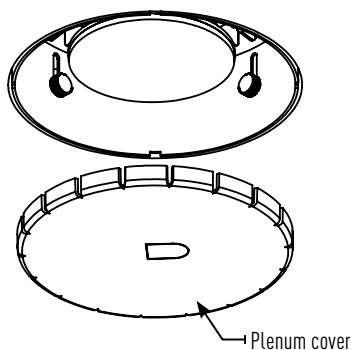
Ceiling line

Housing collar

Thumb knobs

7
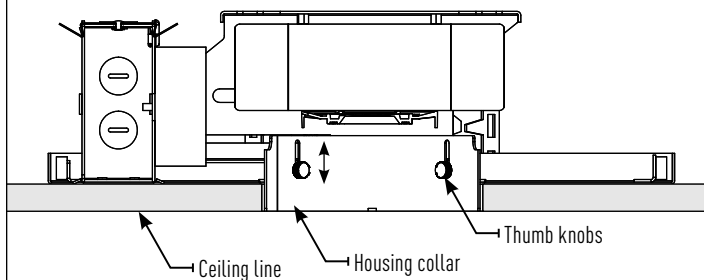
REPLACE OPTIC:

1. Replace optic by aligning (3) opic slots to (3) base tabs.
2. Insert optic slots into tabs and twist clockwise.

Base tabs

Optic slots

NOTE: Avoid contact with LED, may damage light source

8

PLENUM COVER:

Install plenum cover to prevent damage to the fixture during construction.

Plenum cover

9

TRIM INSTALLATION:

1. Align spring clips on trim to collar notch
2. Push trim fully against housing to ensure the trim is flush to the ceiling.
3. Once all fixtures have been installed, power at the breaker can be restored
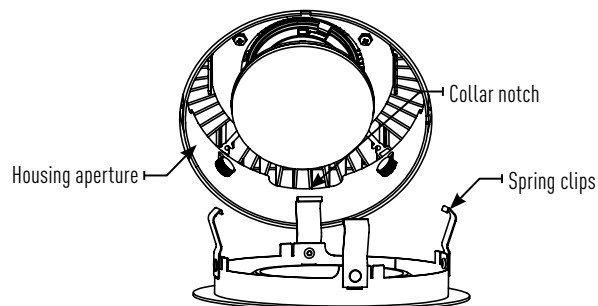
Collar notch

Housing aperture

Spring clips

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4˝ Gravity Shallow Downlight
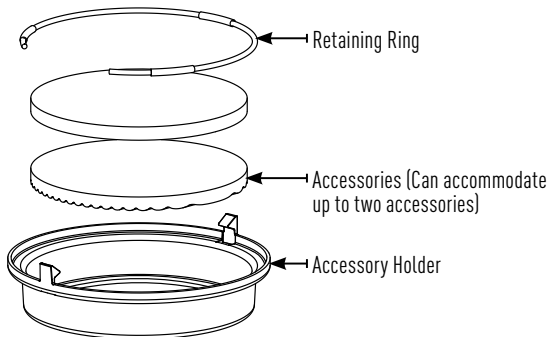

SERVICING:

1. Remove trim from the housing.
2. Remove optic from the fixture by turning the optic counter clockwise.
3. Move the sliding mechanism by using thumb tabs to slide heat sink assembly aside.
4. Push the spring clip on the junction box and tilt out driver from behind bottom housing tabs.
5. Disconnect 2-pin connector from driver.
6. Insert driver plate base behind bottom housing tabs before snapping plate back into spring clip.

Spring clip

Trim

Optic

2-Pin Connector

Spring clip

Driver plate

Bottom housing tab
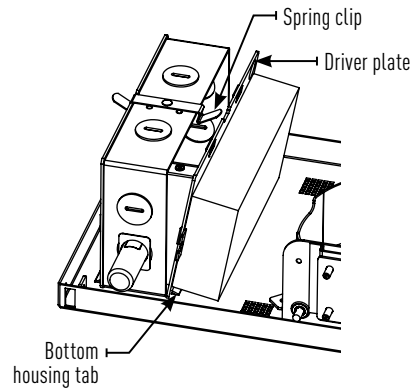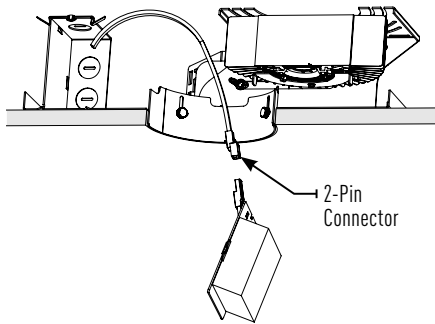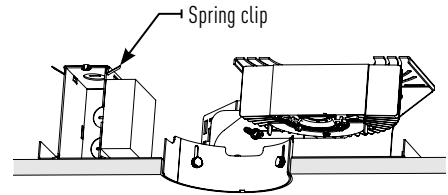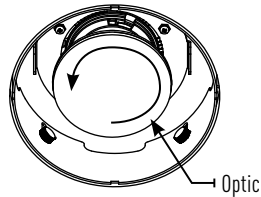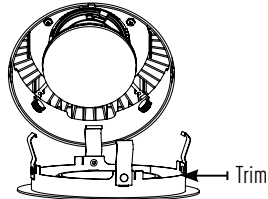
ACCESSORY HOLDER:

Note: Accessory holder can accommodate up to two accessories

1. Install accessories into accessory holder and replace accessory holder's retaining ring.
2. Push accessory holder against optic until accessory snaps onto optic.

Retaining Ring

Accessories (Can accommodate up to two accessories)

Accessory Holder

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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
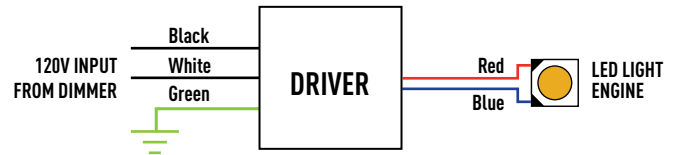
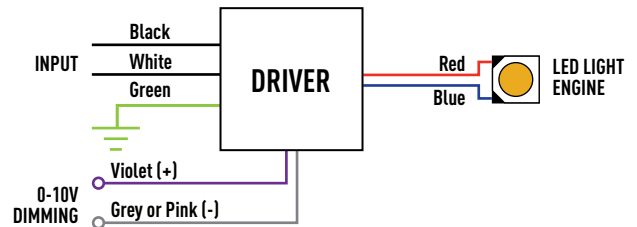## 0-10V Dimming

- 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%
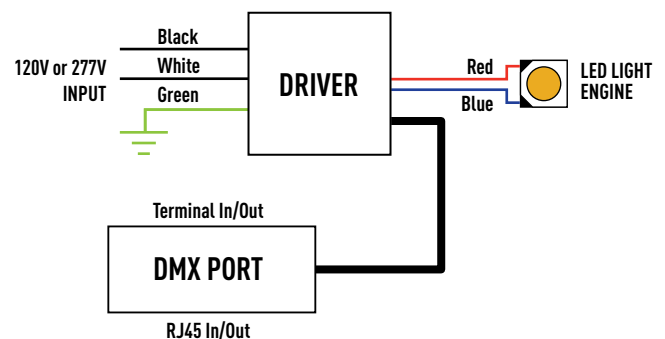- Consult dimming manufacturer for installation instructions

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
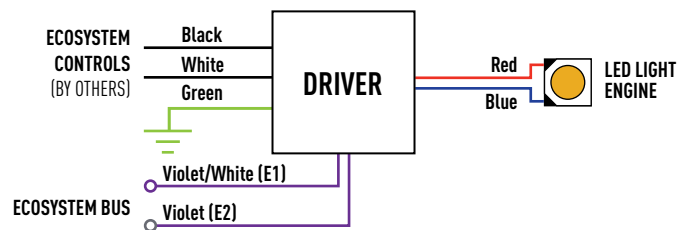
DMX512 RDM (Downlights with RJ45)

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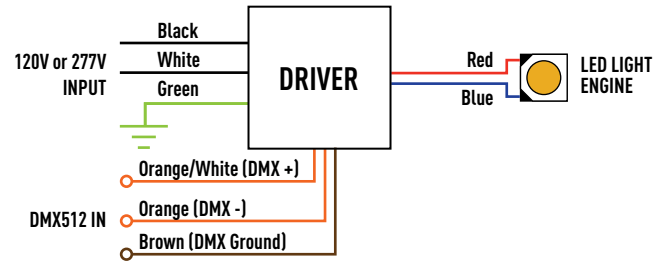- RDM Channel Programmable

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
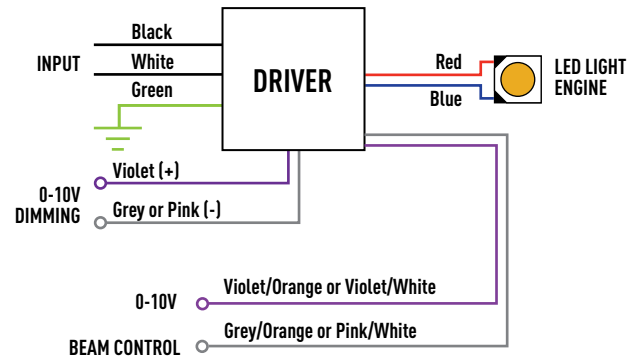- RDM Channel Programmable

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

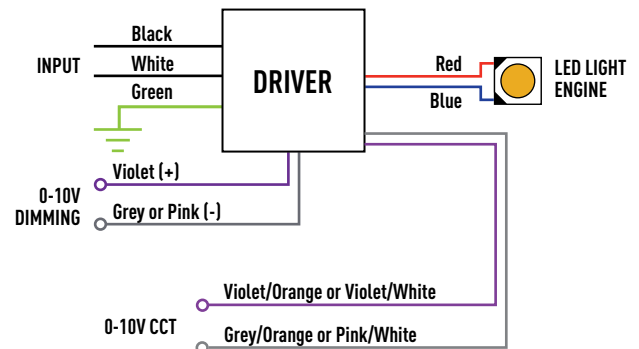| Manufacturer	Part Number(s)
HUNT	PS-010-IV-120V, PS-010-WH-120V, PS-010-3W-IV-120, PS-010-3W-WH-120V, PS-010-IV-277V, PS-010-WH-277V, PS-010-3W-IV-277V, PS-010-3W-WH-277V, FD-010: PS-IFC-010-IV, PS-IFC-010-WH-120/277V, FD-010: PS-IFC-010-3W-IV, PS-IFC-010-3W-WH-120/277V, FD-010-120V, FD-010-277V
Leviton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