# Whitegoods Edgeless Cove LED

**INSTALLATION INSTRUCTIONS** 

FINISH: WHITE

PART NO. WG-EC



WARNING:

INSTALL PRODUCT IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES BY A QUALIFIED ELECTRICIAN OR ELECTRICAL CONTRACTOR.



FAILURE TO COMPLY WITH THE INSTALLATION INSTRUCTIONS MAY RESULT IN DEATH OR SERIOUS INJURY

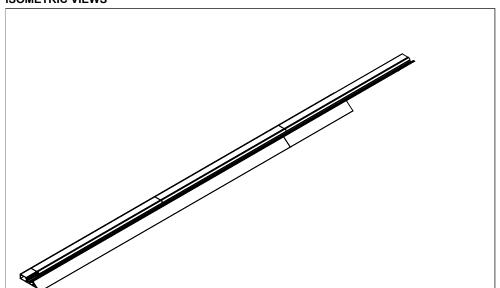
READ ALL SAFETY INSTRUCTIONS INCLUDED WITH LUMINAIRE BEFORE INSTALLING LUMINAIRE

THIS IS AN ELECTRONIC DEVICE. CARE MUST BE TAKEN DURING STORAGE AND HANDLING. STORE IN A CLEAN, COOL AND DRY LOCATION. ELECTROSTATIC DISCHARGE (ESD) CAN HARM THIS PRODUCT. AVOID STATIC DISCHARGE WHILE HANDLING THIS PRODUCT

### CAUTION:

INTER-LUX IS NOT RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF THE BUILDING TO SUPPORT THE LUMINAIRE. ADDITIONAL BACKING MAY BE REQUIRED

# ISOMETRIC VIEWS



plaster

# MOUNTING DIMENSIONS 7.4" 5/8" drywall 6.12"

# **MOUNTING OPTIONS** Surface

# PACKAGE MAY INCLUDE: (refer to package list to identify parts) Blank Gear Housing Tray (4") Master Satellite Gear Trav Gear Trav with Diffuser with Diffuser Joiner Kit M4x6 GT Screw Endcap Wall Return Right Left

ITEMS NEEDED (SUPPLIED BY OTHERS):

Phillips Head Screwdriver #2 Screwdriver

M3 Hex head Allen Key

Wire Connectors

Wire Strippers

Mounting Screws

Joint/Spackle Knife

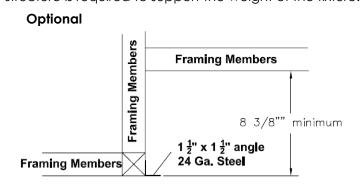
**Plaster** 

# INSTALLATION INSTRUCTIONS

LOCATE AND REVIEW AN GS FOR ALL FIXTURE RUNS. It is recommended to locate and lay out all components for each fixture "run". A fixture run typically consist of joiners, lengths of housings, lengths of gear trays with diffuser(satellite and master), blank gear trays, and endcaps

### Step 1: Turn off Power before Installing.

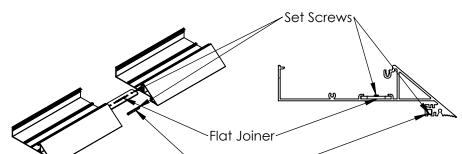
Optional Pre-mounting: When roughing in wall and ceiling structure, install 1.5"x1.5" sheet metal angle, 0.025" maximum thickness, to support housing extrusion, optional but will aid in installation. Mount housing extrusion to the mounting surface at desired height with fasteners. Mounting screws shall be fastened to building frame. Surrounding structure is required to support the weight of the fixture. (Recommended: start at end wall for linear fixtures or corner for rectangular and U-shapes.)



Frame Housing Frame

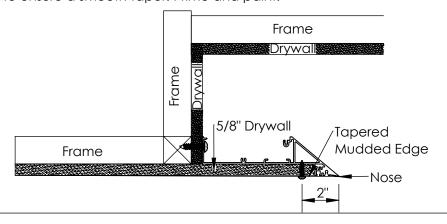
**Step 2:** (If single housing skp this step) Mount next housing extrusion as shown

by sliding the provided joiners into the adjacent housing. Secure in place by tightening set screws. Mount housing to structure. Repeat this step until all housings are installed and mounted.



**Step 5:** Install 5/8" drywall to the underside of the extrusion housing and fasten with 1.25" drywall screw 2" from extrusion nose. Apply joint tape and mud to form a smooth taper from flat to extrusion nose. Apply multiple thin coats to ensure a smooth taper. Prime and paint.

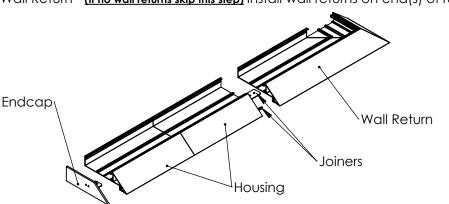
Square Joiner



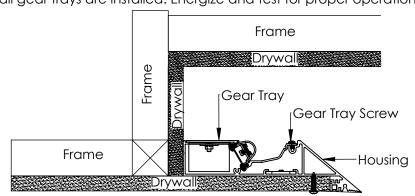
**Steps 3&4: ENDS - \*Ends** can have endcaps, wall returns, one of each or neither.

3: Endcaps - (If no endcaps skip this step) Install endcaps on end(s) of run.

**4:** Wall Return - (If no wall returns skip this step) Install wall returns on end(s) of run.



**Step 6:** Install Gear Trays making electric connections first, then insert gear tray into housing (4" Blank Gear Trays go on ends of each run). Refer to pages 2&3 for wiring diagrams if needed. Refer to record drawings for gear tray placement. Secure gear tray to housing using screws in pre-drilled holes. Repeat this step until all gear trays are installed. Energize and test for proper operation.



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SHEET 1 OF 3

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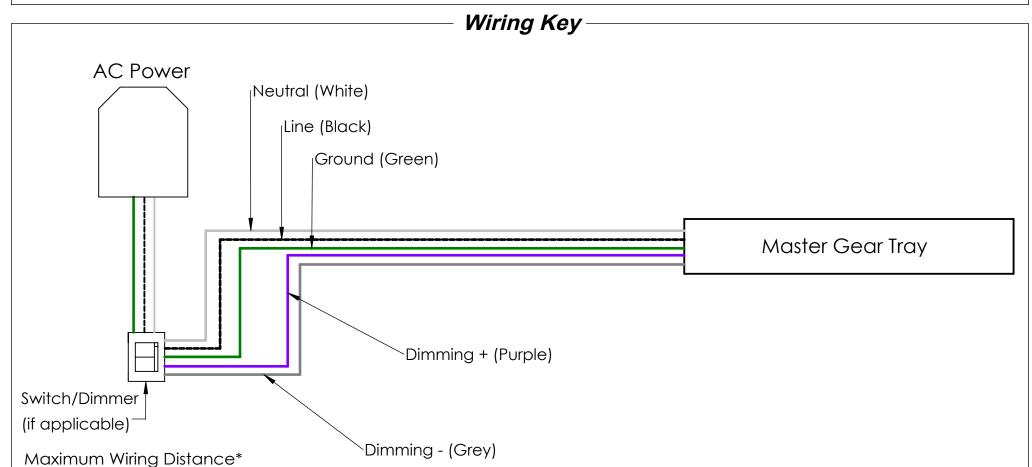
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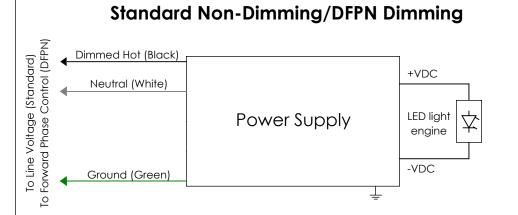
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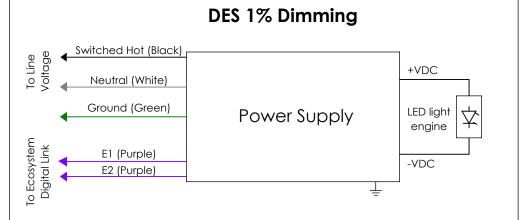
	•						
	Maximum Lead Length						
Wire Gauge		Lutron					
	≤ 48W	≤ 72W	≤ 96W	≤ 40W			
#18AWG	37'	25'	18'	15'			
#16AWG	59'	39'	29'	25'			
#14AWG	95'	63'	47'	40'			
#12AWG	151'	101'	75'	60'			

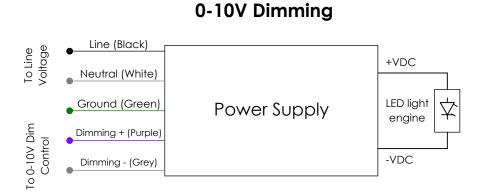
Red	Blue	Green	Black	White	Purple	Grey
Positive	Negative	Ground	Line	Neutral	Dimming +	Dimming -

# **Driver Wiring Diagrams**



## D3W 1% Dimming Switched Hot (Black) To 3-Wire Dimming Control +VDC Dimmed Hot (Orange Neutral (White) **Power Supply** LED light engine -VDC Ground (Green)





### NOTE: ALL DRIVERS ARE INTER-LUX PROVIDED. FOR NON INTER-LUX DRIVERS PLEASE REFER TO DRIVER MANUFACUTERS. THE USE OF NON INTER-LUX DRIVERS VOIDS PRODUCT WARRANTY

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<sup>\*</sup>Actual Voltage drop to be calculated by installer



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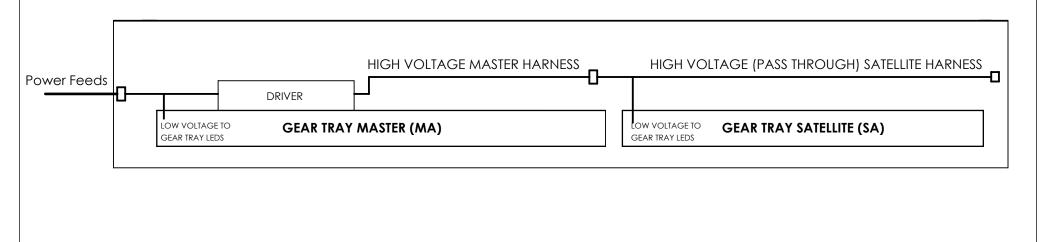
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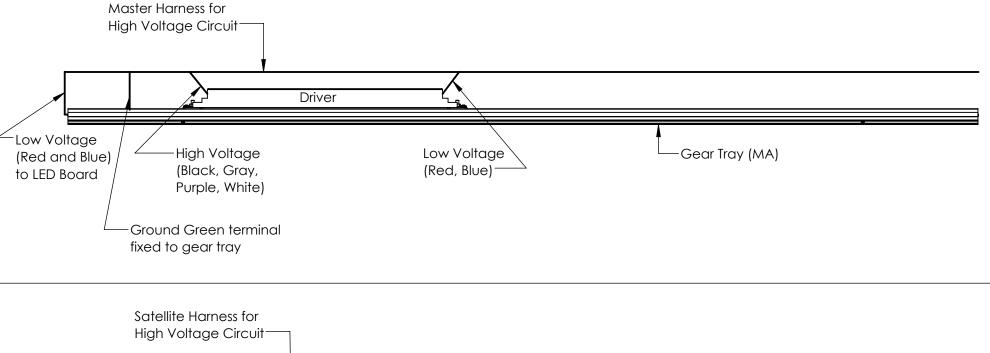
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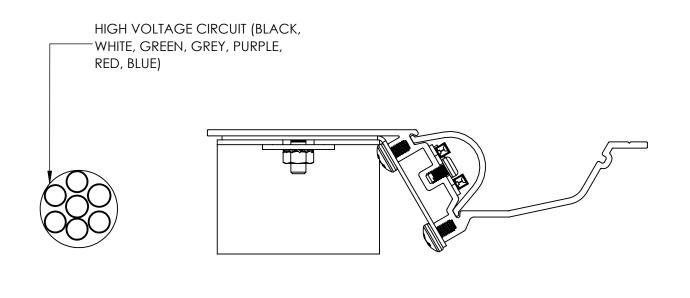






Low Voltage
(Red and Blue)
to LED Board

Ground Green terminal
fixed to gear tray



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SHEET 3 OF 3