ELCO Lighting

Project name:

Fixture type:

Date:

# 8" New Construction Architectural Frame with Driver



## Features

- Optional 90 minutes, 120/277 VAC, 60Hz Emergency Backup.
- USA designed and assembled.
- LED Light Engine and Hanger bars sold separately (see Compatible Products).
- 2 at the end of the item number denotes Generation 2. Please note Gen 2 and Gen 1 are not cross compatible.

## Specifications

| | |
|---|---|
| **Lumens** | 850 lm - 6000 lm |
| **Voltage** | 120/277V or 120V |
| **Dimmable** | Triac/ELV/0-10V, Sunset, Lutron |
| **Power Factor** | ≥0.9 |
| **Damp Location** | Listed |

## Options



**Optional EM Battery Back-up**

## Technical Details

**Construction:**

Constructed from 16 gauge galvanized steel for large architectural applications. Housing adjusts in frame to accommodate up to 2” ceiling thickness.

**Installation:**

Designed for architectural buildings. Easily installed with hanger bars (ordered separately for specific application type). Light engine installed into frame.

**Junction Box:** Positioned to accommodate straight conduit runs. Seven 1/2” trade size conduit knockouts and four pry-out knockout slots for easy romex installation.

**Hanger Bars:** Hanger bars ordered separately as FB27: Set of two 27” hanger bars for wood construction or CH26: Set of two 26” C-Channel hanger bars for T-Bar Ceiling.

**Electrical:**

- Driver is rated for 120V and 277V input (120/277V).
- High Efficiency driver with a power factor > 0.9.
- Can be specified with Lutron drivers for specific applications.

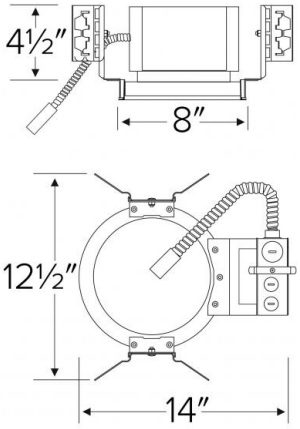
**Dimmability**:

- 3 in 1 dimming: Triac, ELV and 0-10V dimming in one driver.
- 0-10V dimming down to 5% with a compatible dimmer.
- Flicker-Free Dimming.
- Can be specified with Lutron drivers for 0.1% and 1% dimming.
- For a full list of dimmers refer to the Dimmer Compatibility List.

**Listings**: cULus Listed for Damp Location. cULus Listed for Wet Location with select trims. cULus Listed for Direct Contact with Insulation and Combustible Material for units up to 2000 lm. cULus Listed for Feed Through.

**Warranty:** ELCO Products are built to last. 5-year Limited warranty.

## Dimensions




## Product Numbers

| Item | Lumens | Voltage | Dimming |
|---|---|---|---|
| **E8LHU08D2** | 850 lm | 120/277V | Triac/ELV/0-10V |
| **E8LHU08S** | 850 lm | 120/277V | Sunset |
| **E8LHU08L2** | 850 lm | 120V | Lutron |
| **E8LHU12D2** | 1250 lm | 120/277V | Triac/ELV/0-10V |
| **E8LHU12S** | 1250 lm | 120/277V | Sunset |

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| Item | Lumens | Voltage | Dimming |
|---|---|---|---|
| **E8LHU12L2** | 1250 lm | 120V | Lutron |
| **E8LHU16D2** | 1600 lm | 120/277V | Triac/ELV/0-10V |
| **E8LHU16S** | 1600 lm | 120/277V | Sunset |
| **E8LHU16L2** | 1600 lm | 120V | Lutron |
| **E8LHU20D2** | 2000 lm | 120/277V | Triac/ELV/0-10V |
| **E8LHU20S** | 2000 lm | 120/277V | Sunset |
| **E8LHU20L2** | 2000 lm | 120V | Lutron |
| **E8LHU30D2** | 3000 lm | 120/277V | Triac/ELV/0-10V |
| **E8LHU30S** | 3000 lm | 120/277V | Sunset |
| **E8LHU30L2** | 3000 lm | 120V | Lutron |
| **E8LHU40D2** | 4000 lm | 120/277V | Triac/ELV/0-10V |
| **E8LHU40L2** | 4000 lm | 120V | Lutron |
| **E8LHU60D2** | 6000 lm | 120/277V | Triac/ELV/0-10V |
| **E8LHU60L2** | 6000 lm | 120V | Lutron |

## Product Number Builder Example: **E8LHU08D2**

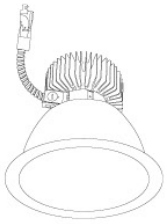
| ELCO Laurel 8" Architectural Frame | Voltage | Lumens | Dimming | Generation | Optional |
|---|---|---|---|---|---|
| **E8LH** | **U** 120/277V | **08** 850 lm<br>**12** 1250 lm<br>**16** 1600 lm<br>**20** 2000 lm<br>**30** 3000 lm<br>**40** 4000 lm<br>**60** 6000 lm | **D** Triac/ELV/0-10V<br>**S** Sunset<br>**L** Lutron | **2** Gen 2<br>Gen 1 | No EM<br>**EM1** 8W Emer. Backup<br>**EM2** 12W Emer. Backup |


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# Compatible Products

For use with **8″ Laurel™ Frames**

## 8″ Laurel™ Commercial LED Light Engines



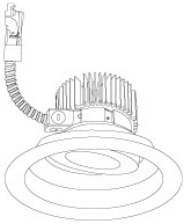
Reflector Trim
**E810L**



Wall Wash Trim
**E811L**



Drop Glass Trim
**E812L**



Adjustable Trim
**E818L**

**PRODUCT NUMBER BUILDER**

| Laurel™ Trim | Lumen | Color Temperature | Finish | Generation |
|---|---|---|---|---|
| **E810L** Reflector | **08** 850 lm | **27** 2700K | **W** All White | **(blank)** Gen 1 |
| **E811L** Wall Wash | **12** 1250 lm | **30** 3000K | **B** All Black | **2** Gen 2 |
| **E812L** Drop Glass | **16** 1600 lm | **35** 3500K | **C** All Chrome | |
| **E818L** Adjustable | **20** 2000lm | **40** 4000K | **H** All Haze | |
| | **30** 3000lm | **SD** Sunset Dimming | **HW** Haze w/White Ring | |
| | **40** 4000lm | | | |
| | **60** 6000lm | | | |


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# Dimmer Compatibility Chart

## 120/277V - 0-10V/Triac/ELV Dimmers

## For 8" Laurel™ System Architectural Frames

E8LHU08D2, E8LHU12D2, E8LHU16D2, E8LHU20D2, E8LHU30D2, E8LHU40D2, E8LHU60D2, E8LFU08D2, E8LFU12D2, E8LFU16D2, E8LFU20D2, E8LFU30D2, E8LFU40D2, E8LFU60D2, E8LRU08D2, E8LRU12D2, E8LRU16D2, E8LRU20D2, E8LRU30D2, E8LRU40D2, E8LRU60D2, E8LTU08D2, E8LTU12D2, E8LTU16D2, E8LTU20D2, E8LTU30D2, E8LTU40D2, E8LTU60D2

### For Reference Only

Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards. Consult the dimmer manufacturer prior to installation to ensure compatibility.

| Manufacturer | Product | Part Number | Dimmed Light Output Range |
|---|---|---|---|
| **Triac/ELV Type Dimmers - 120V Only** | | | |
| Lutron | 120V AC 60Hz, 600W LED/CFL/Incandescent/Halogen, Single Pole, 3-Way | S-603PG | 5% - 76% |
| | 120V AC 60Hz, 600W LED/CFL/Incandescent/Halogen, Single Pole, 3-Way, | DVCL-153P | 5% - 97% |
| | 120V 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way | TGCL-153P | 5% - 97% |
| | 120V AC 60Hz, 300W Electronic Low Voltage, 3-Way, Commercial/Residential Application | DVELV303P | 5% - 97% |
| | 120V, 600W Incandescent/Halogen, Single Pole, Residential Indoor Application | TG-600P | 5% - 100% |
| | 120V, 1000W Incandescent or 600W Magnetic Low Voltage, Single Pole, 3-Way | CT103P | 5% - 96% |
| | 120V AC 60Hz, 600W Electronic Low Voltage, Single Pole/Multi-Location, | MAELV600 | 5% - 99% |
| | 120V AC 60Hz, 500W Electronic Low Voltage, Single Pole/Multi-Location, | FAELV500 | 5% - 99% |
| | 120V, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way | LGCL-153PLH | 5% - 100% |
| | 120V AC 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way, | SCL-153P | 5% - 98% |
| | 120V AC 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way, | MACL-153M | 5% - 90% |
| Leviton | 120V AC 60Hz, 300W Electronic Low Voltage, 400 Volt Amp, Single Pole, 3-Way, | IPE04 | 5% - 100% |
| | 120V AC 60Hz, 300W CFL or 600W Incandescent, 400 Volt Amp, Single Pole, 3-Way, | 6673-10W | 5% - 94% |
| | 120V AC, 600W Incandescent with LED Locator, Single Pole, 3-Way | VP106 | 5% - 99% |
| | 120V AC 60Hz, 500W Incandescent with LED Level Indicator, Single Pole, 3-Way | 6161 | 5% - 100% |
| | 120/277V AC 60Hz, 1200/1600W LED/CFL, Single Pole, 3-Way, Commercial Application | SF10P | 5% - 94% |
| | 120V AC 50/60Hz, 150W LED/CFL or 600W Incandescent/MLV/Halogen, Single Pole, 3-Way | RRD-6CL-WH | 5% - 100% |
| | 120V AC, 300W LED/CFL or 600W Incandescent/MLV/Halogen, Single Pole, 3-Way, | TAL06P1-C1 | 5% - 100% |
| Cooper | 120V AC 60Hz, 300W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way | SLC03P / DAL06P | 5% - 99% |
| | 120V AC 60Hz, 300W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way, | D1C03P | 5% - 100% |
| | 120V AC 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way, | RI061-VW-K2 | 5% - 100% |
| | 120V AC 60Hz, 300W LED/CFL/ Incandescent/Halogen, Single Pole, 3-Way | AAL06A-C2 | 5% - 97% |
| | 120V AC 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way, | 6674 | 5% - 100% |
| Lightolier | 120V, 260W Incandescent/Halogen, Single Pole, 3-Way, | ZP260QEW | 5% - 98% |

| | | | |
|---|---|---|---|
| **0-10V Type Dimmers - 120/277V** | | | |
| Lutron | 120/277V AC, 0-10V LED/CFL Ballast, Single Pole, 3-Way | Nova NFTV | 1% - 100% |
| Leviton | 120/277V AC 50/60Hz, 0-10V LED/CFL Ballast, Single Pole, 3-Way, Indoor Application | Diva DVTV | 1% - 100% |
| | 120/277V AC 60Hz, 0-10V LED/CFL Ballast, Single Pole, 3-Way | IP710-DL | 1% - 100% |

*NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details

Disclaimer: Minimum and maximum loads for LEDs and CFLs are given in number of lamps and may vary depending on the lamp being used. Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards.

Integrating our lighting with your Smart Home System is a breeze. Simply check your Smart Home system for compatible smart switches and cross refrence that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.

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