ELCO Lighting

Project name:

Fixture type:

Date:

4" New Construction Plaster Frame with Driver



Features

- Optional 90 minutes, 120/277 VAC, 60Hz Emergency Backup.
- USA designed and assembled.
- LED Light Engine 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

Wattage	12.5 MAX.W - 44.1 MAX.W
Lumens	850 lm - 3000 lm
Voltage	120/277V or 120V
Dimmable	0-10V/Triac/ELV (1% Dimming), 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 commercial building applications.

Installation:

High strength hanger bars can easily be nailed to joists. Suitable for T-grid and drop ceiling applications. See installation sheet for detailed information.

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: Pre Installed hanger bars with True Nail easy installation in regular lumber, engineered lumber, and Laminated Beams. Integral T-bar slots for easy installation in T-Bars. Spans up 24" and can be repositioned 90°. Score lines allow for tool-free hanger bar size reduction. Integral leveling flange allows for single-person installation while easily aligning the housings with the joists.

Electrical:

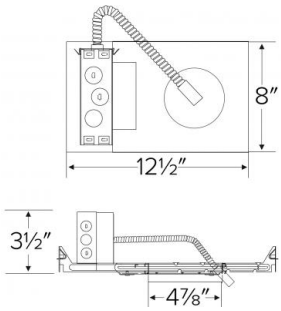
- Driver is rated for 120V and 277V input (120/277V).
- High Efficiency driver with a power factor > 0.9.
- Can be specified with Lutron drivers for specific applications.

Dimmability:

- 3 in 1 dimming: Triac, ELV and 0-10V dimming in one driver to 1%.
- Flicker-Free 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 1600 lm. cULus Listed for Feed Through.

Dimensions



Product Numbers

Item	Lumens	Watts	Voltage	Dimming
E4LFU08D2	850 lm	12.5 MAX.	120/277V	0-10V/Triac/ELV (1% Dimming)
E4LFU08S	850 lm	12.5 MAX.	120/277V	Sunset
E4LFU08L2	850 lm	12.5 MAX.	120V	Lutron
E4LFU12D2	1250 lm	16.8 MAX.	120/277V	0-10V/Triac/ELV (1% Dimming)
E4LFU12S	1250 lm	16.8 MAX.	120/277V	Sunset
E4LFU12L2	1250 lm	16.8 MAX.	120V	Lutron
E4LFU16D2	1600 lm	21 MAX.	120/277V	0-10V/Triac/ELV (1% Dimming)

© ELCO Lighting 2024. All rights reserved • Rev. 07 Mar 2024 • ELCO Lighting reserves the right to make specification and design changes without notice.

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

Item	Lumens	Watts	Voltage	Dimming
E4LFU16S	1600 lm	21 MAX.	120/277V	Sunset
E4LFU16L2	1600 lm	21 MAX.	120V	Lutron
E4LFU20D2	2000 lm	29.4 MAX.	120/277V	0-10V/Triac/ELV (1% Dimming)
E4LFU20S	2000 lm	29.4 MAX.	120/277V	Sunset
E4LFU20L2	2000 lm	29.4 MAX.	120V	Lutron
E4LFU30D2	3000 lm	44.1 MAX.	120/277V	0-10V/Triac/ELV (1% Dimming)
E4LFU30S	3000 lm	44.1 MAX.	120/277V	Sunset
E4LFU30L2	3000 lm	44.1 MAX.	120V	Lutron

Product Number Builder Example: **E4LFU08D2**

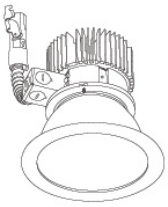
ELCO Laurel 4" Plaster Frame	Voltage	Lumens	Dimming	Generation	Optional
E4LF	**U** 120/277V	**08** 850 lm (12.5W MAX.) **12** 1250 lm (16.8W MAX.) **16** 1600 lm (21W MAX.) **20** 2000 lm (29.4W MAX.) **30** 3000 lm (44.1W MAX.)	**D** Triac/ELV/0-10V **S** Sunset **L** Lutron	**2** Gen 2 Gen 1	No EM **EM1** 8W Emer. Backup **EM2** 12W Emer. Backup

© ELCO Lighting 2024. All rights reserved • Rev. 07 Mar 2024 • ELCO Lighting reserves the right to make specification and design changes without notice.

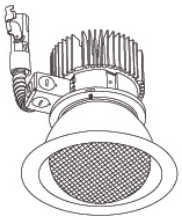
Compatible Products

For use with **4" Laurel™ LED Frames**

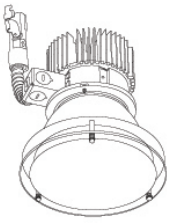
4" Laurel™ Commercial LED Light Engines



Round Reflector Trim
E410L



Round Wall Wash Trim
E411L



Drop Glass Reflector Trim
E412L

PRODUCT NUMBER BUILDER

Laurel™ Trim		Lumen		Color Temperature		Finish		Generation	
E410L	Reflector	**08**	850 lm (12.5W MAX.)	**27**	2700K	**H**	All Haze	**(blank)**	Gen 1
E411L	Wall Wash	**12**	1250 lm (16.8W MAX.)	**30**	3000K	**W**	All White	**2**	Gen 2
E412L	Drop Glass	**16**	1600 lm (21W MAX.)	**35**	3500K	**B**	All Black		
		20	2000lm (29.4W MAX.)	**40**	4000K	**C**	All Chrome		
		30	3000lm (44.1W MAX.)	**SD**	Sunset Dimming	**HW**	Haze w/White Ring		

© ELCO Lighting 2024. All rights reserved • Rev. 07 Mar 2024 • ELCO Lighting reserves the right to make specification and design changes without notice.

ELCO Lighting

Dimmer Compatibility Chart

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

For 4" Laurel™ System Architectural Frames

E4LHU08D2, E4LHU12D2, E4LHU16D2, E4LHU20D2, E4LHU30D2, E4LFU08D2, E4LFU12D2, E4LFU16D2, E4LFU20D2, E4LFU30D2, E4LRU08D2, E4LRU12D2, E4LRU16D2, E4LRU20D2, E4LRU30D2, E4LTU08D2, E4LTU12D2, E4LTU16D2, E4LTU20D2, E4LTU30D2

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.

amazon alexa | Google Assistant | Apple HomeKit | INSTEON | LUTRON | wemo

2042 E. Vernon Ave. Vernon CA 90058 Tel 323.231.2600 Fax 323.231.3200 elcolighting.com

© ELCO Lighting 2024. All rights reserved • Rev. 07 Mar 2024 • ELCO Lighting reserves the right to make specification and design changes without notice.