ELCO Lighting

Project name:

Fixture type:

Date:

6" Cedar System New Construction 2-Hour Fire Rated Housing w/Driver



2-Hour Fire Rated for use with Cedar System LED Light Engines.

Features

- cUL Listed for 2-Hour Fire Resistance to meet and exceed strict fire safety codes.
- Integrated Non-combustible insulation acts as a sound barrier minimizing sound transfer between floors.
- Optional 90 minutes, 120/277 VAC, 60Hz, Emergency Backup.
- Meets Title 24 requirements.
- Flicker-Free Dimming.
- USA designed and assembled.
- Limited 5 year warranty.
- For use with ELCO Cedar™ System 6" LED Light Engines.
- 2 at the end of the item number denotes Generation 2. Please note Gen 2 and Gen 1 are not cross compatible.

Specifications

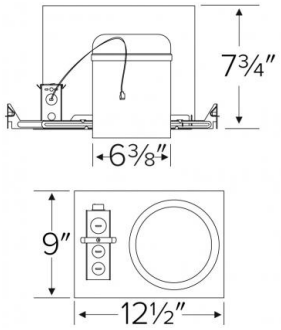
Lumens	850 lm - 1250 lm
Voltage	120/277V or 120V
Dimmable	Triac/ELV, Triac/ELV/0-10V, Sunset
Power Factor	≥0.95
Damp Location	Listed

Options



Optional Butterfly Bracket

Dimensions



Technical Details

Construction:

- Double wall IC rated for direct contact with insulation. For use in IC and non-IC conditions. Up to 2000 lumens.
- Housing adjusts in frame to accommodate up to 1 1/2" ceiling thickness.
- Airtight housing with gasket to restrict airflow in accordance with ASTM E-283 air-tight requirements.

Installation:

- Designed for ceiling plenums where 2x8 joists or taller are used.
- High strength hanger bars can easily be nailed to joists.
- Suitable for T-grid and drop ceiling applications.
- See installation sheet for detailed information.
- Emergency Battery Back-up Option requires access from above.

Junction Box: Positioned to accommodate straight conduit runs. Two 3/4” knockouts, Seven 1/2” trade size conduit knockouts, One 3/8" knockout. 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 > 0.95.

Dimmability:

- 3 in 1 dimming: Triac, ELV and 0-10V dimming in one driver.
- 0-10V dimming down to 5% with a compatible dimmer.
- 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: cUL Listed for Damp Location and for Wet Location with select trims. cUL Listed for Direct Contact

Product Numbers

Item	Lumens	Voltage	Dimming
E6FH08ICA2	850 lm	120V	Triac/ELV
E6FH08ICAD2	850 lm	120/277V	Triac/ELV/0-10V
E6FH08ICASD	850 lm	120/277V	Sunset
E6FH12ICA2	1250 lm	120V	Triac/ELV
E6FH12ICAD2	1250 lm	120/277V	Triac/ELV/0-10V
E6FH12ICASD	1250 lm	120/277V	Sunset

© ELCO Lighting 2024. All rights reserved • Rev. 19 Mar 2024 • ELCO Lighting reserves the right to make specification and design changes without notice.

with Insulation and Combustible Material. cUL Listed for Feed Through.

Product Number Builder Example: **E6FH08ICA2**

ELCO Cedar 6" Fire Housing	Lumens	IC Airtight	Dimming	Generation	Optional
E6FH	**08** 850 lm **12** 1250 lm	**ICA** ICA	120V Triac/ELV **D** 120/277V Triac/ELV/0-10V **SD** Sunset **L** Lutron	**2** Gen 2 Gen 1	No EM **EM1** Emer. Backup up to 700 lm **EM2** Emer. Backup to 1100 lm

© ELCO Lighting 2024. All rights reserved • Rev. 19 Mar 2024 • ELCO Lighting reserves the right to make specification and design changes without notice.

Compatible Products

For use with **6″ Cedar™ IC LED housings**

6″ Cedar™ LED Light Engines



Round Reflector Trim

E610C
Finishes:
(W, B, BZ, C, G, H)



Round Drop Glass Reflector Trim

E612C
Finishes:
(W, B, BZ, C, G, H)



Round Baffle Trim

E614C
Finishes:
(W, B, BZ, BB)



Round Adjustable Baffle Trim

E616C
Finishes:
(W, B, BZ)



Round Adjustable Reflector Trim

E617C
Finishes:
(W, B, BZ, C, H)

PRODUCT NUMBER BUILDER

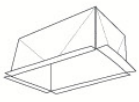
6″ Cedar™ Trim	Style	Lumen	Color Temperature	Finish
E6				
	10C Reflector	**08** 850 lm (8.76W)	**27** 2700K	**W** All White
	12C Drop Glass	**12** 1250 lm (12.88W)	**30** 3000K	**B** Black w/White Ring
	14C Baffle		**35** 3500K	**BZ** All Bronze
	16C Adjustable Baffle		**40** 4000K	**BB** All Black
	17C Adjustable Reflector		**50** 5000K	**C** Chrome w/White Ring
			SD Sunset Dimming	**G** Gold w/White Ring
				H Haze w/White Ring

6″ Accessories



Fire Cover

CAT NO.	SPECIFICATIONS
FIRECVR	9 ¾″ H x 17″ O.D.



Fire Enclosure

CAT NO.	SPECIFICATIONS
FIREENCL	20 ⅜″ L x 14 ⅜″ W
FIREENCL-S	Shallow, 16″ L x 14 ⅜″ W



Mica Fire Tape

CAT NO.	SPECIFICATIONS
FIRETAPE	¾″ W x 16′ L

© ELCO Lighting 2024. All rights reserved • Rev. 19 Mar 2024 • ELCO Lighting reserves the right to make specification and design changes without notice.