ELCO Lighting

Project name:

Fixture type:

Date:

# 6" Cedar System Remodel IC Airtight Housing w/Driver

IC Airtight remodel housing for residential and light commercial, 850 to 1250 lumens.

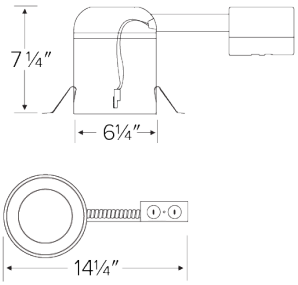
## Features

- cUL Listed for direct contact with insulation.
- 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** | 1250 lm |
| **Voltage** | 120/277V |
| **Dimmable** | Triac/ELV/0-10V |
| **Power Factor** | ≥0.95 |
| **Damp Location** | Listed |

## Dimensions




## Technical Details

**Construction:**

- Single wall IC rated for direct contact with insulation. For use in IC and non-IC conditions. Up to 1250 lumens.
- 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.
- Suitable for T-grid and drop ceiling applications.
- See installation sheet for detailed information.

**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.

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

## Product Number

| Item | Lumens | Voltage | Dimming |
|---|---|---|---|
| **E6LRC12ICAD2** | 1250 lm | 120/277V | Triac/ELV/0-10V |


© ELCO Lighting 2026. All rights reserved • Rev. 25 Feb 2025 • ELCO Lighting reserves the right to make specification and design changes without notice.

## Product Number Builder Example: **E6LRC08ICA2**

| ELCO Cedar 6" Housing | Lumens | IC Airtight | Dimming | Generation | Optional |
|---|---|---|---|---|---|
| **E6LRC** | **08** 850 lm<br>**12** 1250 lm | **ICA** ICA | 120V Triac/ELV<br>**D** 120/277V Triac/ELV/0-10V<br>**SD** Sunset<br>**L** Lutron | **2** Gen 2<br>Gen 1 | No EM<br>**EM1** Emer. Backup up to 700 lm<br>**EM2** Emer. Backup to 1100 lm |


© ELCO Lighting 2026. All rights reserved • Rev. 25 Feb 2025 • 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)**

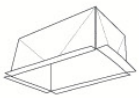
**PRODUCT NUMBER BUILDER**

| 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 |

2042 E. Vernon Ave., Vernon, CA 90058 • Tel (323) 231-2600 Fax (323) 231-3200 • elcolighting.com
© ELCO Lighting 2026. All rights reserved • Rev. 25 Feb 2025 • ELCO Lighting reserves the right to make specification and design changes without notice.