

6" Cedar System New Construction IC Airtight Housing w/Driver

Single Wall IC Airtight housing for high-end residential and light commercial, 850 to 1250 lumens.



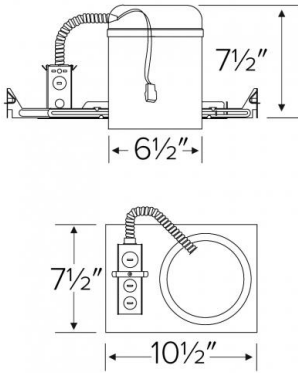
Features

- 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 | 1600 lm |
| Voltage | 120V |
| Dimmable | Triac/ELV |
| 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. 850 or 1250 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.

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.

Emergency Battery Pack: Optional 90 minute battery pack available with test indicator switch. Note that double wall housings require Access From Above Ceiling for Battery Maintenance.

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 Number

| Item | Lumens | Voltage | Dimming |
|------------|---------|---------|-----------|
| E6LC16ICA2 | 1600 lm | 120V | Triac/ELV |

Product Number Builder Example: **E6LC08ICA2**

| | | | | | |
|-----------------------|-----------------------|--------------------|---------------------------|--------------------|--|
| ELCO Cedar 6" Housing | Lumens | IC Airtight | Dimming | Generation | Optional |
| <div>E6LC</div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> |
| | <div>08 850 lm</div> | <div>ICA ICA</div> | <div>120V Triac/ELV</div> | <div>2 Gen 2</div> | <div>No EM</div> |
| | <div>12 1250 lm</div> | | <div>D 120/277V</div> | <div>Gen 1</div> | <div>EM1 Emer. Backup up to 700 lm</div> |
| | <div>16 1600 lm</div> | | <div>SD Sunset</div> | | <div>EM2 Emer. Backup to 1100 lm</div> |
| | | | <div>L Lutron</div> | | |

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 | 16 1600 lm (18W) | 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 3/4" H x 17" O.D. |



Fire Enclosure

| CAT NO. | SPECIFICATIONS |
|------------|-------------------------------|
| FIREENCL | 20 3/8" L x 14 3/8" W |
| FIREENCL-S | Shallow, 16" L x 14 3/8" W |



Mica Fire Tape

| CAT NO. | SPECIFICATIONS |
|----------|----------------|
| FIRETAPE | 3/4" W x 16' L |