ELCO Lighting

Project name:

Fixture type:

Date:

# 3" LED Light Engine with Pinhole Trim

The perfect lighting solution for high-end residential and light commercial projects.

## Features

- High efficacy LED module.
- Triac/ELV/0-10V dimming.
- Must be used with ELCO 3" Cedar™ System Housings.
- Frosted acrylic module lens for even lumen distribution.
- Life span of 50,000 hours L70.
- USA designed and assembled.
- Limited 5 year warranty.
- 2 at the end of the item number denotes Generation 2. Please note Gen 2 and Gen 1 are not cross compatible.

## Specifications

| | |
|---|---|
| **Wattage** | 9.6W |
| **Lumens** | 850 lm |
| **Color Temp.** | 3500K |
| **Lamp Type** | LED |
| **Beam Angle** | 60° |
| **CRI** | 93+ |
| **Damp Location** | Listed |

## Technical Details

**Optics**: Frosted polycarbonate module lens diffuses light evenly throughout while reducing glare with LED technology.

**Trim Construction**: Reflector is two piece trim for maximum color versatility. Design allows for minimal glare and a strong glare cut-off. Trim is constructed of metal for lasting durability.

**Installation:** Must be installed on a Cedar™ System housing with compatible lumen rating.

**LED Technology:**

- Extremely accurate Color Rendering Index of 93+.
- Efficacy of 97 lumens per watt.
- Lumen Maintaince of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

**Sunset:** Sunset color temperature is our dim-to-warm LED technology that allows the color temperature to become warmer as the product is dimmed. Our SUNSET items start at 3000K and go as low as 1800K when dimmed. For Sunset dim technology be sure to order an item with "Sunset" in the Color Temperature (CCT) attribute.

**Listings**: cUL Listed for Wet Location. RoHS Compliant.

## Options

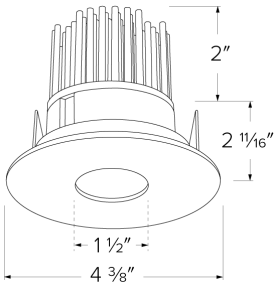
**All White**

**Clear w/ White Trim**

**Black w/ White Trim**

**All Black**

## Dimensions





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## Product Number Builder Example: **E329C0827W2**

| ELCO Cedar 3" LED Light Engine | Lumen | Color Temperature | Finish | Generation | Beam Angle |
|---|---|---|---|---|---|
| **E329C** | **08** 850 lumen | **27** 2700K | **W** All White | **2** Gen 2 | 60º lens |
| | **10** 1000 lumen | **30** 3000K | **B** Black with White Trim | **1** Gen 1 | **-F** 38º lens |
| | | **35** 3500K | **C** Chrome with White Trim | | **-N** 24º lens |
| | | **40** 4000K | **BB** All Black | | **-S** 15º lens |
| | | **50** 5000K | | | |
| | | **SD** Sunset [1] | | | |

[1] Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed


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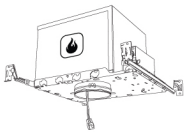
# Compatible Products

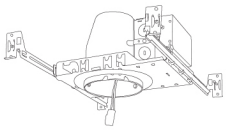
For use with **3″ Cedar™ Light Engines**

## 3″ Cedar™ Dedicated LED ICA Housings



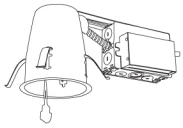
2-Hour Fire Rated
3″ ICA Housing
**New Construction**

| CAT NO. | SPECIFICATIONS |
|---|---|
| E3FH | Up to 850lm |



3″ ICA Housing
**New Construction**

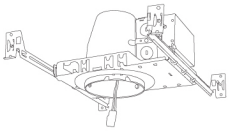
| CAT NO. | SPECIFICATIONS |
|---|---|
| E3LC | Up to 850lm |



3″ ICA Housing
**Remodel**

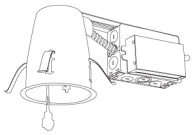
| CAT NO. | SPECIFICATIONS |
|---|---|
| E3LRC | Up to 850lm |

## 3″ Cedar™ Dedicated LED Non-IC Housings



3″ Non-IC Housing
**New Construction**

| CAT NO. | SPECIFICATIONS |
|---|---|
| E3LC | Up to 1000lm |



3″ Non-IC Housing
**Remodel**

| CAT NO. | SPECIFICATIONS |
|---|---|
| E3LRC | Up to 1000lm |

### PRODUCT NUMBER BUILDER

| Housing Type | | Lumen | | ICA Airtight | | Dimming | | Optional | |
|---|---|---|---|---|---|---|---|---|---|
| **E3FH** | Fire Rated | **08** | 850 lm | **(Blank)** | Non-IC | **(Blank)** | 120V Triac/ELV | **EM1** | Emergency Backup up to 700 lm output |
| **E3LC** | New Construction | **10** | 1000 lm | **ICA** | IC Airtight | **D** | 120/277V Triac/ELV/0-10V | **EM2** | Emergency Backup up to 1100 lm output |
| **E3LRC** | Remodel | | | | | **L** | Lutron | | |

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