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.	3000K
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

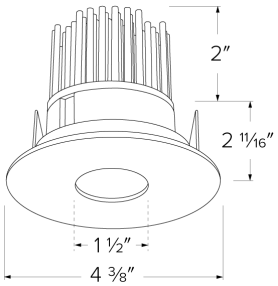
All White

Clear w/ White Trim

Black w/ White Trim

All Black

Dimensions



© ELCO Lighting 2026. All rights reserved • Rev. 19 Mar 2024 • ELCO Lighting reserves the right to make specification and design changes without notice.

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]			

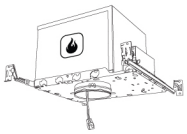
[1] Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

© ELCO Lighting 2026. All rights reserved • Rev. 19 Mar 2024 • ELCO Lighting reserves the right to make specification and design changes without notice.

Compatible Products

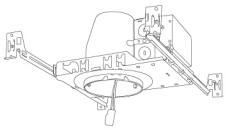
For use with **3″ Cedar™ Light Engines**

3″ Cedar™ Dedicated LED ICA Housings



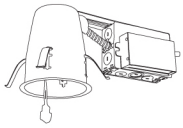
2-Hour Fire Rated
3″ ICA Housing
New Construction

CAT NO.	SPECIFICATIONS
E3FH	Up to 850lm



3″ ICA Housing
New Construction

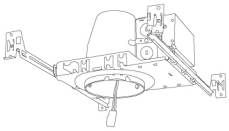
CAT NO.	SPECIFICATIONS
E3LC	Up to 850lm



3″ ICA Housing
Remodel

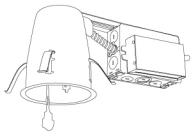
CAT NO.	SPECIFICATIONS
E3LRC	Up to 850lm

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	

2042 E. Vernon Ave., Vernon, CA 90058 • Tel (323) 231-2600 Fax (323) 231-3200 • elcolighting.com
© ELCO Lighting 2026. All rights reserved • Rev. 19 Mar 2024 • ELCO Lighting reserves the right to make specification and design changes without notice.