

Project name:

Fixture type:

Date:

## 4" LED Light Engine with Reflector 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 4" 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.

## **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<sup>™</sup> System housing with compatible lumen rating. Frames are available for New Construction and Remodel as IC or non-IC.

### LED Technology:

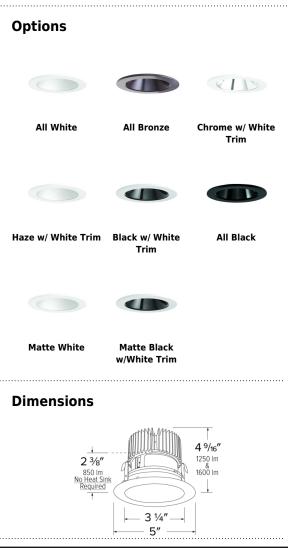
- Extremely accurate Color Rendering Index of 93+.
- Efficacy of 97 lumens per watt.
- Lumen Maintaince of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

**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.

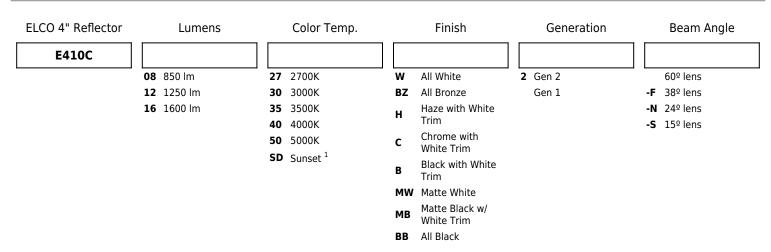
Listings: cUL Listed for Wet Location. RoHS Compliant.

### Specifications

Wattage	18W	
Lumens	1600 lm	
Color Temp.	4000K	
Lamp Type	LED	
Beam Angle	60°	
CRI	93+	
Damp Location Listed		



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## Product Number Builder Example: E410C0827W2

<sup>1</sup> Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

# **Compatible** Products

SPECIFICATIONS

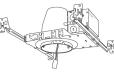
Up to 850 lm

For use with 4" Cedar™ Light Engines

#### 4" Cedar™ Dedicated LED ICA Housings 2-Hour Fire Rated 4" ICA Housing 4" ICA Housing 4" ICA Housing 4" ICA Housing **New Construction New Construction** Remodel **New Construction** SPECIFICATIONS CAT NO. CAT NO SPECIFICATIONS CAT NO. SPECIFICATIONS CAT NO. E4LC E4LC E4LRC E4FH Up to 850 lm Up to 1600 Im Up to 850 Im 4" Cedar™ Dedicated LED Non-IC Housings



4" Non-IC Housing **New Construction** 



4" Non-IC Housing **New Construction** 



4" Non-IC Housing Remodel

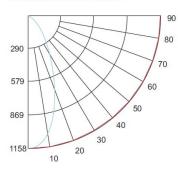
CAT NO.	SPECIFICATIONS	CAT NO.	SPECIFICATIONS	CAT NO.	SPECIFICATIONS
E4LC	Up to 1600 Im	E4LC	Up to 1250 Im	E4LRC	Up to 1250 Im

PRODUCT NUMBER BUILDER							
[	Housing Type		Lumen	7	Optional		Dimming
E4FH	Fire Rated (up to 850)	08	850 lm (8.76W)	(Blank)	Non-IC	(Blank	<) 120V Triac/ELV
E4LC	New Construction	12	1250 lm (12.88W)	ICA	IC Airtight	D	120/277V Triac/ELV/0-10V
E4LRC	Remodel	16	1600 lm (18W)			SD	Sunset
						L	Lutron

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### PHOTOMETRIC REPORT

Product #: E410C0830 Wattage/Lumens: 10.5W/ 837 Lm Luminaire LPW: 80 Lm/W



CANDLE POWER SUMMARY			
Degrees Vertical	0°		
0	1158		
5	1140		
15	927		
25	634		
35	232		
45	40		
55	1		
65	0		
75	0		
85	0		
90	0		

#### ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter 4.0'	
4'	72.4		
6'	32.2	6.0'	
8'	18.1	8.0'	
10'	11.6	10.0'	

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	647.32	77.30
0-40°	799.00	95.40
0-60°	836.33	99.90
0-90°	83716	100.00