

# 4" LED Light Engine with Baffle 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.

## Specifications

<b>Wattage</b>	12.88W
<b>Lumens</b>	1250 lm
<b>Color Temp.</b>	3500K
<b>Lamp Type</b>	LED
<b>Beam Angle</b>	60°
<b>CRI</b>	93+
<b>Damp Location</b>	Listed

## Options



**Black w/White ring**



**All Bronze**



**All White**

## 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. Frames are available for New Construction and Remodel as IC or non-IC.

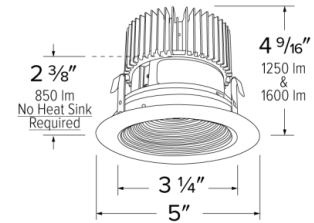
### LED Technology:

- Extremely accurate Color Rendering Index of 93+.
- Efficacy of 97 lumens per watt.
- Lumen Maintenance 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.

### Listings:

- UL Listed for Wet Location.
- RoHS Compliant.

## Dimensions



## Product Number Builder Example: E414C0827W2

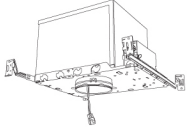
ELCO 4" Baffle	Lumens	Color Temp.	Finish	Generation
<b>E414C</b>	<b>08</b> 850 lm <b>12</b> 1250 lm <b>16</b> 1600 lm	<b>27</b> 2700K <b>30</b> 3000K <b>35</b> 3500K	<b>W</b> All White <b>BZ</b> All Bronze <b>B</b> Black w/White Ring	Gen 1 <b>2</b> Gen 2

**40** 4000K  
**50** 5000K  
**SD** Sunset

# Compatible Products

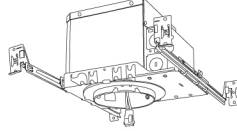
For use with **4" Cedar™** Light Engines

## 4" Cedar™ Dedicated LED ICA Housings



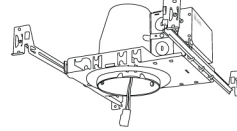
2-Hour Fire Rated  
4" ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
E4FH	Up to 850 lm



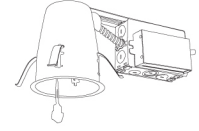
4" ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
E4LC	Up to 1600 lm



4" ICA Housing  
**New Construction**

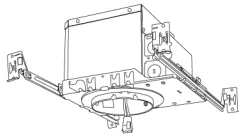
CAT NO.	SPECIFICATIONS
E4LC	Up to 850 lm



4" ICA Housing  
**Remodel**

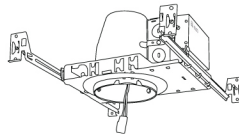
CAT NO.	SPECIFICATIONS
E4LRC	Up to 850 lm

## 4" Cedar™ Dedicated LED Non-IC Housings



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

CAT NO.	SPECIFICATIONS
E4LC	Up to 1600 lm



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

CAT NO.	SPECIFICATIONS
E4LC	Up to 1250 lm



4" Non-IC Housing  
**Remodel**

CAT NO.	SPECIFICATIONS
E4LRC	Up to 1250 lm

### PRODUCT NUMBER BUILDER

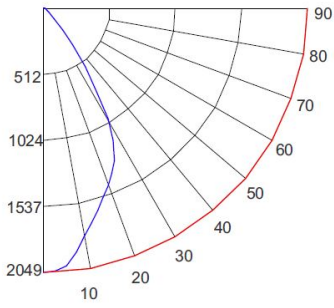
Housing Type		Lumen		Optional		Dimming	
<b>E4FH</b>	Fire Rated (up to 850)	<b>08</b>	850 lm (8.76W)	<b>(Blank)</b>	Non-IC	<b>(Blank)</b>	120V Triac/ELV
<b>E4LC</b>	New Construction	<b>12</b>	1250 lm (12.88W)	<b>ICA</b>	IC Airtight	<b>D</b>	120/277V Triac/ELV/0-10V
<b>E4LRC</b>	Remodel	<b>16</b>	1600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

# LED Light Engine with Baffle Trim

Multiplier: 2700K (x 0.96), 3500K (x 1.04), 4000K (x 1.08)

## PHOTOMETRIC REPORT

Product #: E414C1630  
 Wattage/Lumens: 21.6W/ 1629 lm  
 Luminaire LPW: 75 Lm/W



## CANDLE POWER SUMMARY

Degrees Vertical	0°
0	2049
5	2004
15	1623
25	1302
35	555
45	51
55	2
65	1
75	0
85	0
90	0

## ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	128	4.5'
6'	56.9	6.8'
8'	32.0	9.1'
10'	20.5	11.3'

## ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	1221.3	75.00
0-40°	1570.99	96.50
0-60°	1627.36	99.90
0-90°	1628.59	100.00