

Project name:		
Fixture type:		
Date:		

# 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**

Wattage	12.88W
Lumens	1250 lm
Color Temp.	3000K
Lamp Type	LED
Beam Angle	60°
CRI	93+
Wet 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. 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.

### **Options**







All Bronze

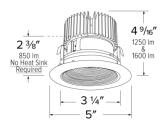


All Black



Black w/White Trim

### **Dimensions**



### Product Number Builder Example: E414C0827W2

ELCO 4" Baffle	Lumens	Color Temp.	Finish	Generation	Beam Angle
E414C					
	<b>08</b> 850 lm	<b>27</b> 2700K	<b>W</b> All White	<b>2</b> Gen 2	60º lens
	<b>12</b> 1250 lm	<b>30</b> 3000K	BZ All Bronze	<b>1</b> Gen 1	<b>-F</b> 38º lens
	<b>16</b> 1600 lm	<b>35</b> 3500K	BB All Black		<b>-N</b> 24º lens
		<b>40</b> 4000K	B Black with White		<b>-S</b> 15º lens
		<b>50</b> 5000K	Trim		
		<b>SD</b> Sunset <sup>1</sup>			

 $<sup>^{\</sup>mathrm{1}}$  Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

## **Compatible** Products

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



### 4" Cedar™ Dedicated LED ICA Housings



2-Hour Fire Rated 4" ICA Housing New Construction





4" ICA Housing

New Construction

CAT NO.	SPECIFICATIONS
F4LC	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** 



4" Non-IC Housing New Construction



4" Non-IC Housing Remodel

CAT NO.	SPECIFICATIONS
E4LC	Up to 1600 lm

CAT NO.	SPECIFICATIONS
E4LC	Up to 1250 lm

CAT NO.	SPECIFICATIONS
E4LRC	Up to 1250 lm

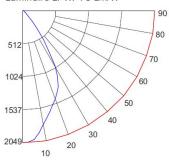
#### PRODUCT NUMBER BUILDER Optional Housing Type Lumen Dimming E4FH Fire Rated (up to 850) 80 850 lm (8.76W) (Blank) Non-IC (Blank) 120V Triac/ELV E4LC New Construction 1250 lm (12.88W) ICA IC Airtight D 120/277V Triac/ELV/0-10V E4LRC Remodel 1600 lm (18W) SD Sunset Lutron

### **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	O°
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	L	umens	% Luminaire
0-30°	11	221.3	75.00
0-40°	1!	570.99	96.50
0-60°	1	627.36	99.90
0-90°	1	628.59	100.00