

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.

### **Specifications**

Wattage	9.6W		
Lumens	850 lm		
Color Temp.	2700K		
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. 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 White

All Bronze

Chrome w/ White







Haze w/ White Trim

Black w/ White Trim All Black

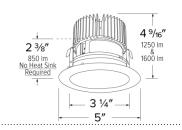




Matte White

Matte Black w/White Trim

### **Dimensions**



ELCO 4" Reflector	Lumens	Color Temp.		Finish	Generation		Beam Angle
E410C							
	<b>08</b> 850 lm	<b>27</b> 2700K	w	All White	<b>2</b> Gen 2		60º lens
	<b>12</b> 1250 lm	<b>30</b> 3000K	ΒZ	All Bronze	Gen 1	-F	38º lens
	<b>16</b> 1600 lm	<b>35</b> 3500K	н	Haze with White		-N	24º lens
		<b>40</b> 4000K	••	Trim		-S	15º lens
		<b>50</b> 5000K C		Chrome with White Trim			
		<b>SD</b> Sunset <sup>1</sup>	В	Black with White Trim			
			MW	Matte White			
			МВ	Matte Black w/ White Trim			
			ВВ	All Black			

 $<sup>^{1}</sup>$  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



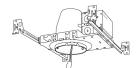
2-Hour Fire Rated 4" ICA Housing

THE WOOTHS IT WELLOW				
CAT NO.	SPECIFICATIONS			
E4FH	Up to 850 lm			



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

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			

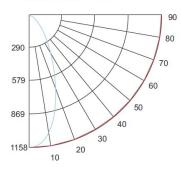
PRODUCT NUMBER BUILDER							
Housing Type Lumen		_	Optional		Dimming		
E4FH	Fire Rated (up to 850)	08	850 lm (8.76W)	(Blank)	Non-IC	(Blan	<b>k)</b> 120V Triac/ELV
E4LC	New Construction	12	1250 lm (12.88W)	ICA	IC Airtight	D	120/277V Triac/ELV/0-10V
E4LRC	Remodel	16	1600 lm (18W)			SD	Sunset
						L	Lutron

### **LED Light Engine**

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

#### PHOTOMETRIC REPORT

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



### **CANDLE POWER SUMMARY**

Degrees Vertical	O°
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'	72.4	4.0'
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
0.900	93716	100.00