

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+
Damp Location	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.

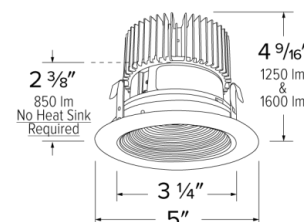
LED Technology:

- 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



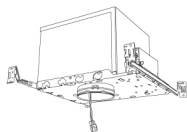
Product Number Builder Example: E414C0827W2

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

40 4000K
50 5000K
SD Sunset

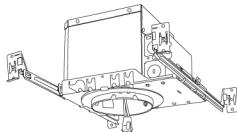
For use with 4" Cedar™ Light Engines

4" Cedar™ Dedicated LED ICA Housings



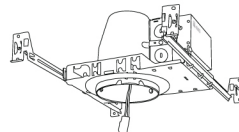
2-Hour Fire Rated
4" ICA Housing
New Construction

CAT NO.	SPECIFICATIONS
E4FH	Up to 850 lm



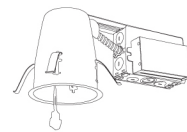
4" ICA Housing
New Construction

CAT NO.	SPECIFICATIONS
E4LC	Up to 1600 lm



4" ICA Housing
New Construction

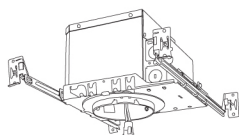
CAT NO.	SPECIFICATIONS
E4LC	Up to 850 lm



4" ICA Housing
Remodel

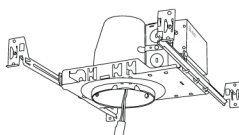
CAT NO.	SPECIFICATIONS
E4LRC	Up to 850 lm

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

- E4FH** Fire Rated (up to 850)
- E4LC** New Construction
- E4LRC** Remodel

Lumen

- 08** 850 lm (8.76W)
- 12** 1250 lm (12.88W)
- 16** 1600 lm (18W)

Optional

- (Blank)** Non-IC
- ICA** IC Airtight

Dimming

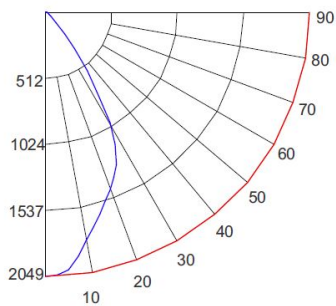
- (Blank)** 120V Triac/ELV
- D** 120/277V Triac/ELV/0-10V
- SD** Sunset
- L** Lutron

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