ELCO Lighting

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	12.88W
Lumens	1250 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.

Listings:

- UL Listed for Wet Location.
- RoHS Compliant.

Options



All White | **All Bronze** | **Chrome w/ White Ring**

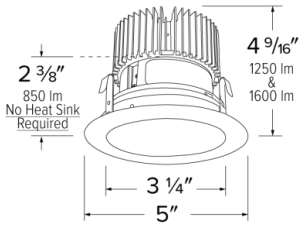


Haze w/ White Ring | **Black w/ White Ring** | **All Black**



Matte White | **Matte Black w/White Ring**

Dimensions



Product Number Builder

Example: **E410C0827W2**

ELCO 4" Reflector	Lumens	Color Temp.	Finish	Generation
E410C				
	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	**H** Haze w/White Ring	
		40 4000K	**C** Chrome w/White Ring	

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50 5000K
SD Sunset

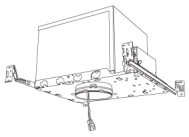
B Black w/White Ring
MW Matte White
MB Matte Black w/White Ring
BB All Black

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Compatible Products

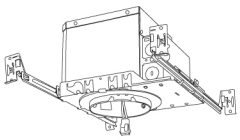
For use with **4″ Cedar™ Light Engines**

4″ Cedar™ Dedicated LED ICA Housings



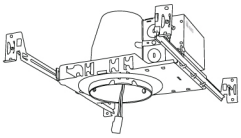
2-Hour Fire Rated
4″ ICA Housing
New Construction

CAT NO.	SPECIFICATIONS
E4FH	Up to 850 lm



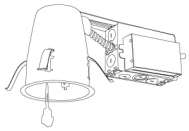
4″ ICA Housing
New Construction

CAT NO.	SPECIFICATIONS
E4LC	Up to 1600 lm



4″ ICA Housing
New Construction

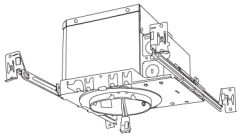
CAT NO.	SPECIFICATIONS
E4LC	Up to 850 lm



4″ ICA Housing
Remodel

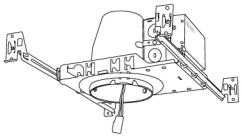
CAT NO.	SPECIFICATIONS
E4LRC	Up to 850 lm

4″ Cedar™ Dedicated LED Non-IC Housings



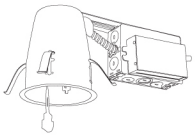
4″ Non-IC Housing
New Construction

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	
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

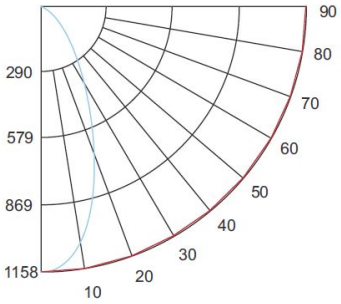
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LED Light Engine

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	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'	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
0-90°	837.16	100.00

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