

# 2" Round LED High-Lumen Reflector Light Engines



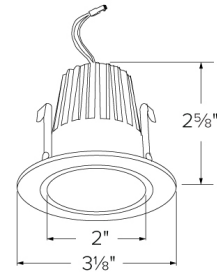
## Features

- Suitable for use in fixtures installed in insulated ceilings.
- Suitable for new construction and remodel housings.
- Suitable for installation into ELCO 2" recessed fixtures with 2-wire connector.
- Diecast construction provides lasting durability.
- CA Title 24 compliant (JA8-2016-E).
- Meets ENERGY STAR requirements.

## Specifications

<b>Wattage</b>	11W
<b>Lumens</b>	800 lm - 1135 lm
<b>Color Temp.</b>	2700K - SunsetK
<b>Lamp Type</b>	LED
<b>Beam Angle</b>	36°
<b>CRI</b>	93+
<b>Damp Location</b>	Listed

## Dimensions



## Technical Details

**Optics:** PC Lens for even lumen distribution.

**Construction:** Diecast construction for lasting quality and greater heat dissipation. High quality powder coat finish preventing rust and paint cracking.

**Installation:** Must be installed in ELCO 2" Alder System housing; E2AJU12ICA, E2LCU86ICA, E2LCU86RICA.

### LED Technology:

- Extremely accurate color rendering with 93+ CRI.
- Efficacy of max. 103 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 based on LM80 standardized test results.
- Superior Thermal Management by utilizing aluminum body as heat sink.

**Listings:** UL Listed for Damp Location. ENERGY STAR® Certified. California Title 24 (JA8-2016-E).

**Warranty:** ELCO Products are built to last with a 5-year Limited warranty.

## Product Numbers

Item	Lamp type	Lumens	CCT	Watts	Beam Angle	Finish
<b>E210C1827W</b>	LED	1000 lm	2700K	11W	36°	White
<b>E210C1830W</b>	LED	1050 lm	3000K	11W	36°	White
<b>E210C1835W</b>	LED	1100 lm	3500K	11W	36°	White
<b>E210C1840W</b>	LED	1135 lm	4000K	11W	36°	White
<b>E210C18SDW</b>	LED	800 lm	SunsetK	11W	36°	White

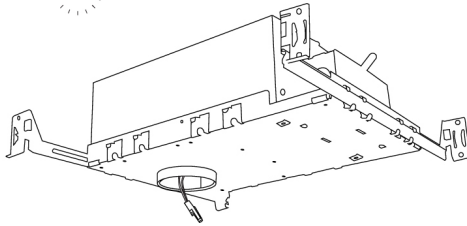
## Product Number Builder Example: E210C1827W

ELCO 2" Light Engines	Color Temp.	White
<b>E210C18</b>		<b>W</b>
	27 2700K	
	30 3000K	
	35 3500K	
	40 4000K	
	SD Sunset	

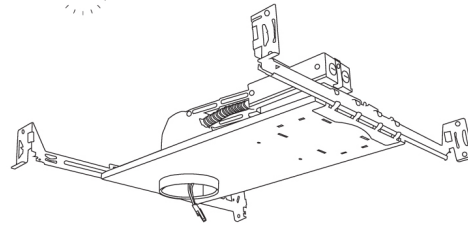
# Compatible Products

For use with 2" High Lumen LED Light Engines

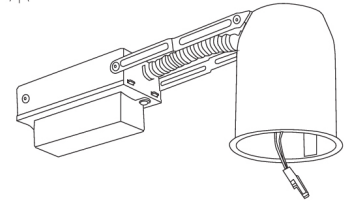
## 2" High Tech LED Housings



2" High Tech LED Housing  
**New Construction**



2" High Tech LED Housing  
**New Construction**



2" High Tech LED Housing  
**Remodel**

CAT NO.	SPECIFICATIONS
E2AJU12ICA	11W, 120V, Triac/ELV/0-10W

CAT NO.	SPECIFICATIONS
E2LCU86ICA	11W, 120V, Triac/ELV/0-10V
E2LC185ICA	11W, 120V, Triac/ELV Dimming

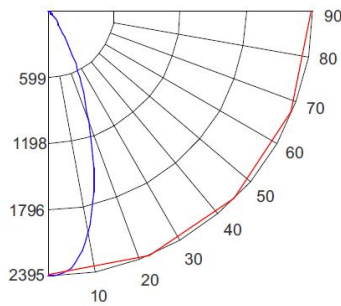
CAT NO.	SPECIFICATIONS
E2LCU86RICA	11W, 120V, Triac/ELV/0-10V
E2LC185RICA	11W, 120V, Triac/ELV Dimming

## 2" Round LED Reflector Light Engine

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

### PHOTOMETRIC REPORT

Product #: E210C1830  
Wattage/Lumens: 10.4W/ 1089 lm  
Luminaire LPW: 105 Lm/W



### CANDLE POWER SUMMARY

Degrees Vertical	Candle Power
0°	2394
5°	2323
15°	1602
25°	673
35°	169
45°	29
55°	21
65°	13
75°	7
85°	2
90°	0

### ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	150	2.6'
6'	66.5	3.9'
8'	37.4	5.2'
10'	23.9	6.6'

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	915.49	84.10
0-40°	1024.95	94.10
0-60°	1067.15	98.00
0-90°	1087.69	99.90