

# 5" LED Light Engine with Reflector Trim



## Features

- Frosted Lens provides smooth lumen distribution and eliminates LED pixilation.
- Meets Energy Star standards. California Title 24 (JA8-2016).
- Life Span of 50,000 Hours L70.
- Deep set LED reduces glare while providing area illumination.
- Compatible with ELCO Maple™ system frame.

## Specifications

<b>Wattage</b>	16W - 26W
<b>Lumens</b>	1100 lm - 2000 lm
<b>Color Temp.</b>	3000K - 4000K
<b>Lamp Type</b>	LED
<b>CRI</b>	93+
<b>Wet Location</b>	Listed

## Options



White



Bronze



Black

## Technical Details

**Optics:** Polycarbonate diffuser with internal reflector create a uniform light distribution with minimal glare.

**Construction:** IC Rated for Direct Contact with Insulation in E5SQLFU11 housing. Diecast aluminum heatsink for greater heat dissipation. High quality powder coat finish preventing rust and paint cracking.

### Electrical:

- 1100 Lumen uses 16W.
- 2000 lumen uses 26W.
- 120/277V input with E5SQLFU frame.

### LED Technology:

- Extremely accurate color rendering with 93+ CRI.
- Efficacy of 68-77 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing aluminum heat sink.

### Dimmability:

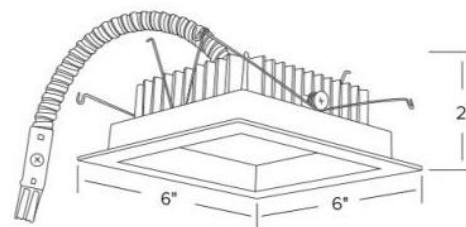
- Flicker-Free Dimming.
- E5SQLFU11 works with Triac/ELV type dimmers with 1100 Lumen Light Engine.
- E5SQLFU20 works with 0-10V dimmers with 2000 Lumen Light Engine.
- Smoothly dims down to 10%.
- For full list of dimmers refer to the Dimmer Compatibility List.

**Listings:** UL/cUL Listed for Wet Location and Listed for Direct Contact with Insulation and Combustible Material.

Certified under ASTM-E283 for Air Tight Construction.

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

## Dimensions



## Product Numbers

Item	Lamp type	Lumens	CCT	Watts	Finish
<b>E520L1130B</b>	LED	1100 lm	3000K	16W	Black
<b>E520L1140B</b>	LED	1100 lm	4000K	16W	Black
<b>E520L2030B</b>	LED	2000 lm	3000K	26W	Black
<b>E520L2040B</b>	LED	2000 lm	4000K	26W	Black
<b>E520L1130BZ</b>	LED	1100 lm	3000K	16W	Bronze
<b>E520L1140BZ</b>	LED	1100 lm	4000K	16W	Bronze
<b>E520L2030BZ</b>	LED	2000 lm	3000K	26W	Bronze
<b>E520L2040BZ</b>	LED	2000 lm	4000K	26W	Bronze
<b>E520L1130W</b>	LED	1100 lm	3000K	16W	White
<b>E520L1140W</b>	LED	1100 lm	4000K	16W	White
<b>E520L2030W</b>	LED	2000 lm	3000K	26W	White
<b>E520L2040W</b>	LED	2000 lm	4000K	26W	White

# Product Number Builder Example: E520L1130B

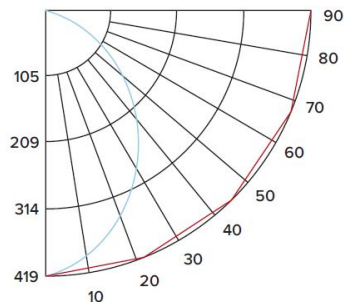
ELCO 5" Square Light Engine with Reflector Trim	Lumens	Color Temp.	Finish
<b>E520L</b>	<b>11</b> 1100 <b>20</b> 2000	<b>30</b> 3000K <b>40</b> 4000K	<b>W</b> White <b>BZ</b> Bronze <b>B</b> Black

## LED Light Engine

Multiplier: 4000K (x 1.08)

### PHOTOMETRIC REPORT

Product #: E520L1130  
 Wattage/Lumens: 15.8W/ 1057 Lm  
 Luminaire LPW: 67 Lm/W



### CANDLE POWER SUMMARY

Degrees Vertical	0°
0	418
5	417
15	402
25	369
35	322
45	263
55	197
65	119
75	36
85	6.69
90	0.03

### ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	26.1	10.4'
6'	11.6	15.6'
8'	6.54	20.8'
10'	4.18	26.0'

### ZONAL LUMEN SUMMARY

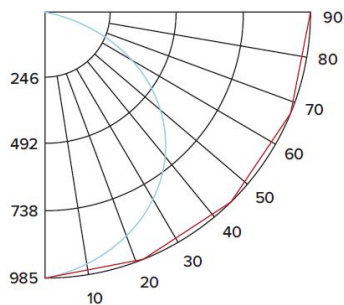
Zone	Lumens	% Luminaire
0-30°	321.46	30.40
0-40°	521.01	49.30
0-60°	893.64	84.50
0-90°	1057.28	100.00

## LED Light Engine

Multiplier: 4000K (x 1.08)

### PHOTOMETRIC REPORT

Product #: E520L2030  
 Wattage/Lumens: 29.8W/ 2539 Lm  
 Luminaire LPW: 85 Lm/W



### CANDLE POWER SUMMARY

Degrees Vertical	0°
0	976
5	966
15	933
25	855
35	748
45	613
55	461
65	283
75	85
85	16
90	0

### ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	61.0	10.6'
6'	27.1	15.9'
8'	15.3	21.2'
10'	9.76	26.5'

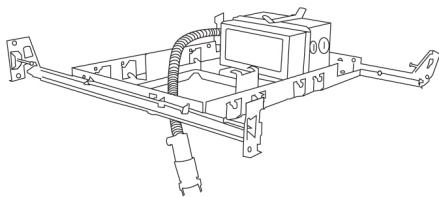
### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	755.01	29.70
0-40°	1228.42	48.40
0-60°	2124.04	83.60
0-90°	2539.27	100.00

# Compatible Products

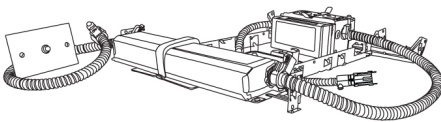
For use with 5" Maple™ LED Square Light Engines

## 5" Maple™ IC Shallow Frame with Driver



IC Shallow Frame  
Plaster Frame

CAT NO.	SPECIFICATIONS
E5SQLFU11	1100 lm
E5SQLFU20	2000 lm



Optional:  
Emergency Battery Backup

CAT NO.	SPECIFICATIONS
E5SQLFU11EM1	1100 lm (Up to 750 lm Emergency Output)
E5SQLFU11EM2	1100 lm (Up to 1100 lm Emergency Output)
E5SQLFU20EM1	2000 lm (Up to 750 lm Emergency Output)
E5SQLFU20EM2	2000 lm (Up to 1100 lm Emergency Output)