

# 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     |
| <b>Lumens</b>       | 1100 lm |
| <b>Color Temp.</b>  | 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:

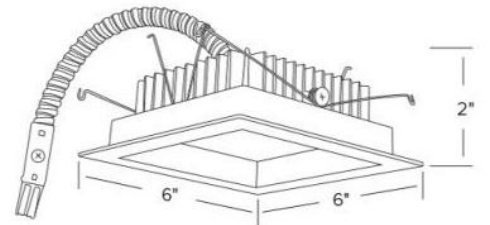
- Flicker-Free Dimming.
- E5SQLFU11 works with Triac/ELV type dimmers with 1100 Lumen Light Engine.
- E5SQLFU20 works with 0-10V dimmers with 2000 Lumen Light Engine.
- Smoothly dims down to 10%.
- For full list of dimmers refer to the Dimmer Compatibility List.

**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 Number

| Item               | Lamp type | Lumens  | CCT   | Watts | Finish |
|--------------------|-----------|---------|-------|-------|--------|
| <b>E520L1140BZ</b> | LED       | 1100 lm | 4000K | 16W   | Bronze |

# Product Number Builder Example: E520L1130B

ELCO 5" Square Light Engine with Reflector

Trim

Lumens

Color Temp.

Finish

**E520L**

**11** 1100  
**20** 2000

**30** 3000K  
**40** 4000K

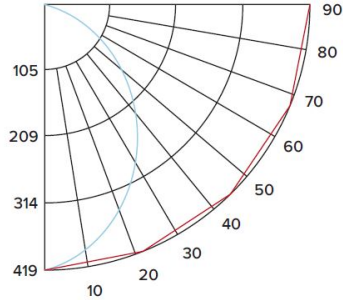
**W** White  
**BZ** Bronze  
**B** Black

## 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

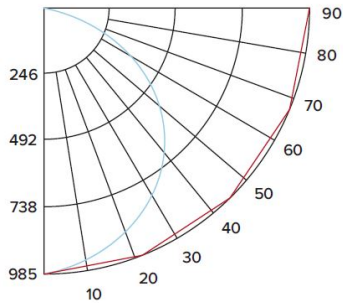
| Zone  | Lumens  | % Luminaire |
|-------|---------|-------------|
| 0-30° | 321.46  | 30.40       |
| 0-40° | 521.01  | 49.30       |
| 0-60° | 893.64  | 84.50       |
| 0-90° | 1057.28 | 100.00      |

## 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

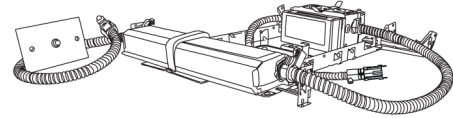
For use with 5" Maple™ LED Square Light Engines

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## 5" Maple™ IC Shallow Frame with Driver



IC Shallow Frame  
**Plaster Frame**



Optional:  
**Emergency Battery Backup**

| CAT NO.   | SPECIFICATIONS |
|-----------|----------------|
| E5SQLFU11 | 1100 lm        |
| E5SQLFU20 | 2000 lm        |

| 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) |