

# 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.

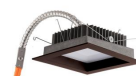
## Specifications

|                     |         |
|---------------------|---------|
| <b>Wattage</b>      | 26W     |
| <b>Lumens</b>       | 2000 lm |
| <b>Color Temp.</b>  | 3000K   |
| <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.

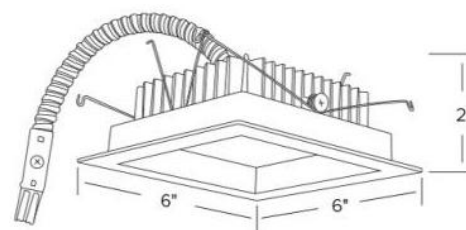
### Dimmability:

- 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:** cUL/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>E520L2030W</b>  | LED       | 2000 lm | 3000K | 26W   | All White  |
| <b>E520L2030B</b>  | LED       | 2000 lm | 3000K | 26W   | All Black  |
| <b>E520L2030BZ</b> | LED       | 2000 lm | 3000K | 26W   | All Bronze |

Product Number Builder Example: E520L2030W

ELCO 5" Square Light Engine with Reflector Trim

Lumens

Color Temp.

Finish

E520L

20 2000

30 3000K

W All White

BZ All Bronze

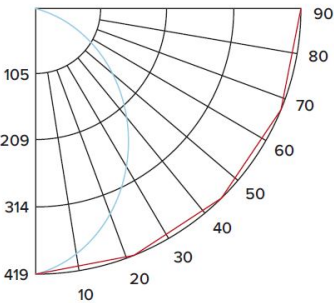
B All Black

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

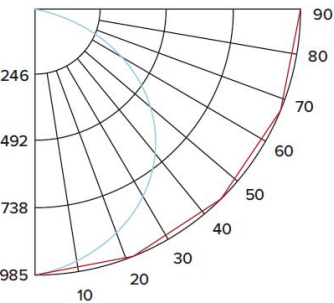
| Zone  | Lumens  | % Luminaire |
|-------|---------|-------------|
| 0-30° | 321.46  | 30.40       |
| 0-40° | 521.01  | 49.30       |
| 0-60° | 893.64  | 84.50       |
| 0-90° | 1057.28 | 100.00      |

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

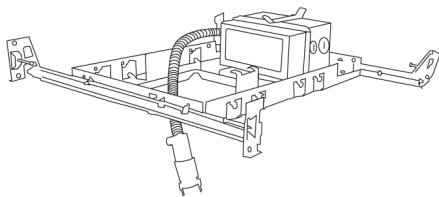
| Distance to Target Plane | Footcandles Beam Center | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 61.0                    | 10.6'         |
| 6'                       | 27.1                    | 15.9'         |
| 8'                       | 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      |

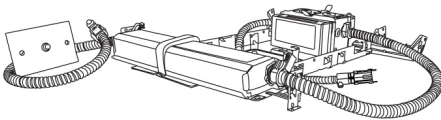
For use with 5" Maple™ LED Square Light Engines

## 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) |



**ELCO Lighting**

# Dimmer Compatibility Chart

## 5" Maple System LED Light Engines

For E520L, E521L, E523L, and E524L Series

### For Reference Only

Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards. Consult the dimmer manufacturer prior to installation to ensure compatibility.

| Manufacturer | Product                                                                                                                              | Part Number            | Dimmed Light Output Range |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------|
| Lutron       | Skylark Contour, 120V AC, 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way Indoor Application, Residential/Commercial Application | CT-603PG / CT-600PR    | 10% - 100%                |
|              | Diva, 120V AC, 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way, Residential/Commercial Application                               | DV-600PR / DV603PG     | 10% - 100%                |
|              | Diva, 120V, 60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way                                                        | DVW-603PGH / DVCL-153P | 10% - 100%                |
|              | Maestro, 120V, 50/60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way                                                  | MACL-153M / TGCL-153P  | 10% - 100%                |
|              | Skylark, Single Pole 600W Incandescent/Halogen, Slide-to-Off Dimmer                                                                  | S-600PR / S-2-LH       | 10% - 100%                |
| Leviton      |                                                                                                                                      | 1A1505 / IC1605        | 10% - 100%                |
|              | SureSlide, 120V AC 60Hz, 600W for LED and CFL, 600W for Incandescent, Single Pole, 3-Way, Polycarbonated Housing                     | 6631 / 6633            | 10% - 100%                |
| Cooper       | Decorator Dimmer, 120V 60Hz, 300W for LED and CFL, 600W for Incandescent, Single Pole, 3-Way, Polycarbonated Housing                 | DLC03P                 | 10% - 100%                |

**\*NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details**

Disclaimer: Minimum and maximum loads for LEDs and CFLs are given in number of lamps and may vary depending on the lamp being used. Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards.

Integrating our lighting with your Smart Home System is a breeze. Simply check your Smart Home system for compatible smart switches and cross reference that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.



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