

5" LED Light Engine with Baffle Trim



Features

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

Specifications

| | |
|---------------------|---------|
| Wattage | 26W |
| Lumens | 2000 lm |
| Color Temp. | 3000K |
| Lamp Type | LED |
| CRI | 93+ |
| Wet Location | 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.

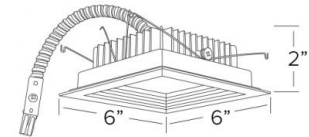
Dimmability:

- 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% (Dimming range may vary depending on dimmer model).
- 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 Number

| Item | Lamp type | Lumens | CCT | Watts | Finish |
|-------------------|-----------|---------|-------|-------|-----------|
| E524L2030W | LED | 2000 lm | 3000K | 26W | All White |

Product Number Builder Example: E524L2030B

ELCO 5" Square Light Engine with Baffle Trim

Lumens

Color Temp.

Finish

E524L

20 2000 lm

30 3000K
40 4000K

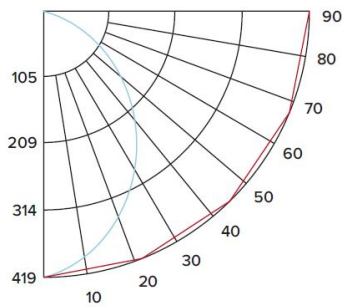
W All White
BZ All Bronze
B All Black

LED Light Engine

Multiplier: 4000K (x 1.08)

PHOTOMETRIC REPORT

Product #: E524L1130
Wattage/Lumens: 15.8 W/ 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

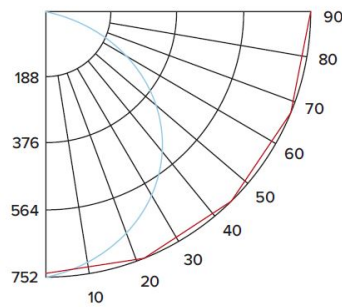
| Zone | Lumens | % Luminaire |
|-------|---------|-------------|
| 0-30° | 321.46 | 30.40 |
| 0-40° | 521.01 | 49.30 |
| 0-60° | 893.64 | 84.50 |
| 0-90° | 1057.28 | 100.00 |

LED Light Engine

Multiplier: 4000K (x1.08)

PHOTOMETRIC REPORT

Product #: E524L2030
Wattage/Lumens: 26W/ 1939 Lm
Luminaire LPW: 75 Lm/W



CANDLE POWER SUMMARY

| Degrees Vertical | 0° |
|------------------|-----|
| 0 | 745 |
| 5 | 738 |
| 15 | 712 |
| 25 | 653 |
| 35 | 571 |
| 45 | 468 |
| 55 | 352 |
| 65 | 216 |
| 75 | 65 |
| 85 | 13 |
| 90 | 0 |

ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Footcandles Beam Center | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4' | 46.6 | 10.6' |
| 6' | 20.7 | 15.9' |
| 8' | 11.6 | 21.2' |
| 10' | 7.45 | 26.5' |

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|-------|---------|-------------|
| 0-30° | 576.60 | 29.70 |
| 0-40° | 938.15 | 48.40 |
| 0-60° | 1622.13 | 83.60 |
| 0-90° | 1939.24 | 100.00 |

Compatible Products

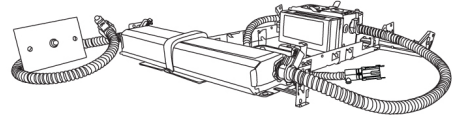
For use with 5" Maple™ LED Square Light Engines

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) |



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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