

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	16W
Lumens	1100 lm
Color Temp.	4000K
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:

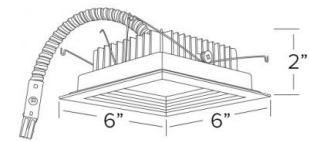
- Flicker-Free Dimming.
- E5SQLFU11 works with Triac/ELV type dimmers with 1100 Lumen Light Engine.
- E5SQLFU20 works with 0-10V dimmers with 2000 Lumen Light Engine.
- Smoothly dims down to 10% (Dimming range may vary depending on dimmer model).
- For full list of dimmers refer to the Dimmer Compatibility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

Listings: 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
E524L1140W	LED	1100 lm	4000K	16W	White

Product Number Builder Example: E524L1130B

ELCO 5" Square Light Engine with Baffle Trim

Lumens

Color Temp.

Finish

E524L

11 1100 lm
20 2000 lm

30 3000K
40 4000K

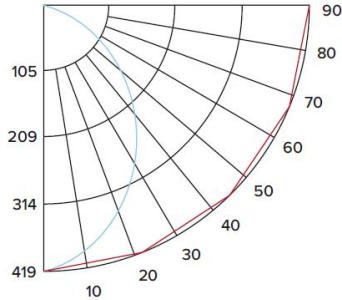
W White
BZ Bronze
B Black

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

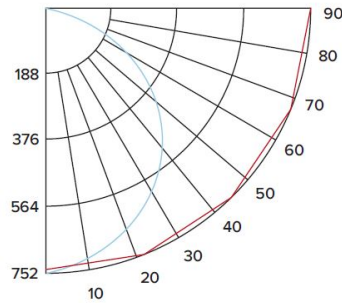
Zone	Lumens	% Luminaire
0-30°	321.46	30.40
0-40°	521.01	49.30
0-60°	893.64	84.50
0-90°	1057.28	100.00

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

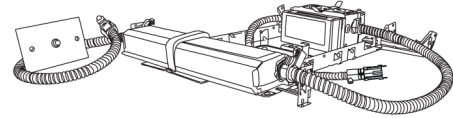
Zone	Lumens	% Luminaire
0-30°	576.60	29.70
0-40°	938.15	48.40
0-60°	1622.13	83.60
0-90°	1939.24	100.00

For use with 5" Maple™ LED Square Light Engines

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)