

6" Reflector LED Light Engine Trims (4000-6000 lm)



Features

- Dimmable Triac/ELV or 0-10V.
- USA Designed and Assembled.
- Frame sold separately (see Compatible Housings).
- 2 at the end of the item number denotes Generation 2. Please note Gen 2 and Gen 1 are not cross compatible.

Specifications

Wattage	36.8W - 71.4W
Lumens	4000 lm - 6000 lm
Color Temp.	3000K - 5000K
Lamp Type	LED
Beam Angle	60°
CRI	93+
Wet Location	Listed

Options



Technical Details

Optics: Frosted polycarbonate lens diffuses light evenly throughout while reducing glare with LED technology.

Reflector Construction: Reflector is one piece, deep, self-flanged construction spun from .05" thick High Grade Aluminum. Reflector allows for minimal glare and a strong glare cut-off.

Installation: Must be installed on a Laurel System frame with compatible lumen rating. Frames are available for New Construction, Remodel and as a Retrofit Kit.

LED Technology:

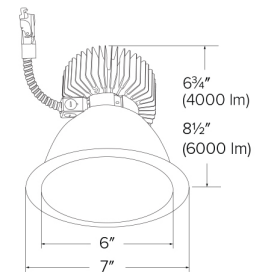
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

Listings:

- cULus Listed for Wet Location.
- RoHS Compliant.

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

Dimensions



Product Number Builder Example: E610L4030W2

ELCO 6" Reflector

Laurel

Lumens

Color Temp.

Finish

Generation

E610

L

40 4000 lm
60 6000 lm

30 3000K
35 3500K
40 4000K
50 5000K

W All White
B All Black
C All Chrome
H All Haze
HW Haze w/White Ring

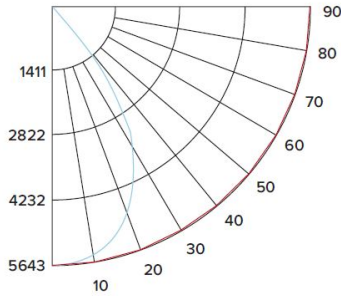
1 Gen 1
2 Gen 2

LED Light Engine

Multiplier: 2700K (x 0.96), 3500K (x 1.04), 4000K (x 1.08), 5000K (x 1.12)

PHOTOMETRIC REPORT

Product #: E610L6030H
Wattage/Lumens: 70.3W/ 5780 Lm
Luminaire LPW: 82 Lm/W



CANDLE POWER SUMMARY

Degrees Vertical	0°
0	5643
5	5576
15	5032
25	4098
35	2376
45	486
55	71
65	24
75	8
85	1
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	353	5.2'
6'	157	7.9'
8'	88.2	10.5'
10'	56.4	13.1'

ZONAL LUMEN SUMMARY

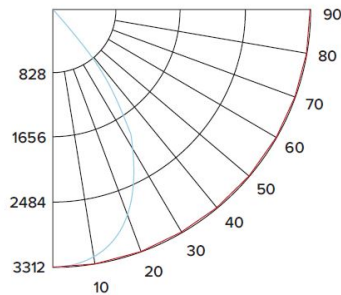
Zone	Lumens	% Luminaire
0-30°	3807.57	65.90
0-40°	5259.9	91.00
0-60°	5746.44	99.40
0-90°	5780.42	100.00

LED Light Engine

Multiplier: 2700K (x 0.96), 3500K (x 1.04), 4000K (x 1.08), 5000K (x 1.12)

PHOTOMETRIC REPORT

Product #: E610L4030H
Wattage/Lumens: 35.6W/ 3393 Lm
Luminaire LPW: 95 Lm/W



CANDLE POWER SUMMARY

Degrees Vertical	0°
0	3312
5	3273
15	2954
25	2406
35	1394
45	285
55	42
65	14
75	5
85	0
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	207	5.2'
6'	92.0	7.9'
8'	51.8	10.5'
10'	33.1	13.1'

ZONAL LUMEN SUMMARY

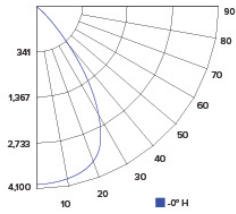
Zone	Lumens	% Luminaire
0-30°	2234.91	65.90
0-40°	3087.37	91.00
0-60°	3372.95	99.40
0-90°	3392.9	100.00

Photometric Report

6" Reflector LED Light Engine Trims

PHOTOMETRIC REPORT

Product #: E610L4035W2
 Wattage / Lumens: 36.6 W / 4110.6 lm
 Luminaire LPW: 112.3 lm/W



CANDLE POWER SUMMARY

Degress Vertical	0°
0	4018
5	3970
15	3583
25	2918
35	1691
45	346
55	50
65	17
75	6
85	0
90	0

ILLUMINANCE AT A DISTANCE

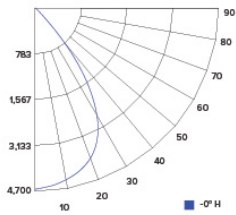
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	251	5.2'
6'	112	7.9'
8'	62.8	10.5'
10'	40.2	13.1'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	2,708.8	65.9
0-40°	3,740.8	91
0-60°	4,086.4	99.4
0-90°	4,110.6	100

PHOTOMETRIC REPORT

Product #: E610L6030B
 Wattage / Lumens: 70.4W / 4791.9 lm
 Luminaire LPW: 68 lm/W



CANDLE POWER SUMMARY

Degress Vertical	0°
0	4684
5	4628
15	4177
25	3402
35	1972
45	403
55	59
65	20
75	7
85	0
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	293	5.2'
6'	130	7.9'
8'	73.2	10.5'
10'	46.8	13.1'

ZONAL LUMEN SUMMARY

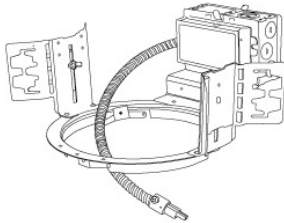
Zone	Lumens	%Luminaire
0-30°	3,157.7	65.9
0-40°	4,360.9	91
0-60°	4,763.7	99.4
0-90°	4,791.9	100

Compatible Products

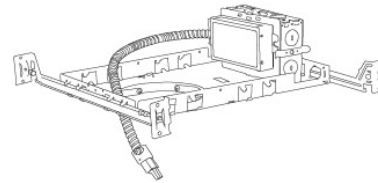


For use with 6" Laurel™ Light Engines

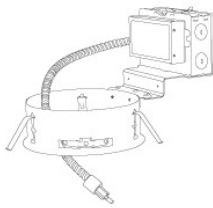
6" Laurel™ Commercial LED Frames



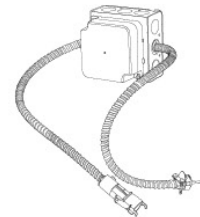
6" Architectural Frame
E6LH



6" Plaster Frame
E6LF



6" Remodel Frame
E6LR



6" Retrofit Kit
E6LT

PRODUCT NUMBER BUILDER

Frame Type	Voltage	Lumen	Dimming	Optional	Generation
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
E6LH Architectural	U 120/277V	08 850 lm	D Triac/ELV/0-10V	EM1 Emergency Backup up to 700 lm output	(blank) Gen 1
E6LF Plaster		12 1250 lm	S Sunset	EM2 Emergency Backup up to 1100 lm output	2 Gen 2
E6LR Remodel		16 1600 lm	L Lutron		
E6LT Retrofit		20 2000 lm			
		30 3000 lm			
		40 4000 lm			
		60 6000 lm			