ELCO Lighting

Project name:

Fixture type:

Date:

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

Options

Black

Chrome

Haze

Haze w/White Ring

White

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:

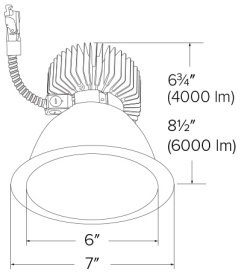
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

Listings:

- cULus Listed for Wet Location.
- RoHS Compliant.

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

Dimensions



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Product Number Builder Example: **E610L4030W2**

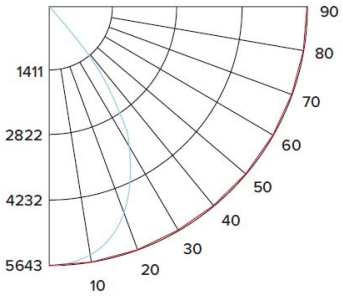
ELCO 6" Reflector	Laurel	Lumens	Color Temp.	Finish	Generation
E610	**L**				
		40 4000 lm	**30** 3000K	**W** All White	Gen 1
		60 6000 lm	**35** 3500K	**B** All Black	**2** Gen 2
			40 4000K	**C** All Chrome	
			50 5000K	**H** All Haze	
				HW Haze w/White Ring	

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

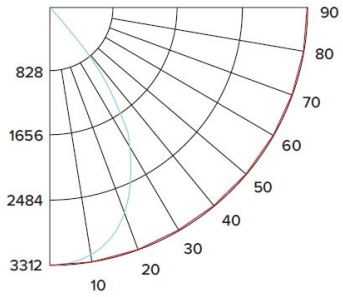
Zone	Lumens	% Luminaire
0-30°	3807.57	65.90
0-40°	5259.9	91.00
0-60°	5746.44	99.40
0-90°	5780.42	100.00

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

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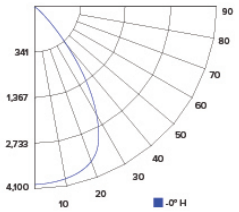
Photometric Report

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

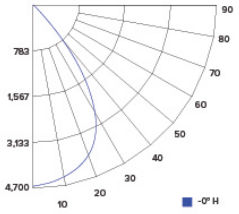
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4′	251	5.2′
6′	112	7.9′
8′	62.8	10.5′
10′	40.2	13.1′

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

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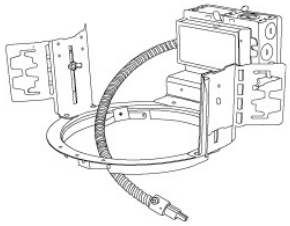
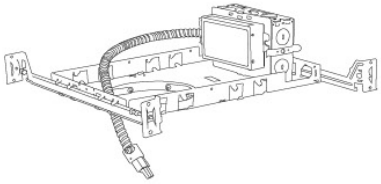
Compatible Products

For use with **6″ Laurel™ Light Engines**

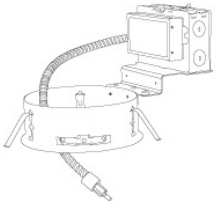
6″ Laurel™ Commercial LED Frames



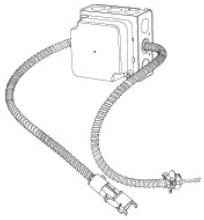
6″ Architectural Frame
E6LH



6″ Plaster Frame
E6LF



6″ Remodel Frame
E6LR



6″ Retrofit Kit
E6LT

PRODUCT NUMBER BUILDER

Frame Type		Voltage		Lumen		Dimming		Optional		Generation	
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						

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