

4" Reflector LED Light Engine Trims



Features	Specifications														
- 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.	<table> <tr> <td>Wattage</td><td>18W</td></tr> <tr> <td>Lumens</td><td>1600 lm</td></tr> <tr> <td>Color Temp.</td><td>4000K</td></tr> <tr> <td>Lamp Type</td><td>LED</td></tr> <tr> <td>Beam Angle</td><td>60°</td></tr> <tr> <td>CRI</td><td>93+</td></tr> <tr> <td>Wet Location</td><td>Listed</td></tr> </table>	Wattage	18W	Lumens	1600 lm	Color Temp.	4000K	Lamp Type	LED	Beam Angle	60°	CRI	93+	Wet Location	Listed
Wattage	18W														
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Color Temp.	4000K														
Lamp Type	LED														
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CRI	93+														
Wet Location	Listed														

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.

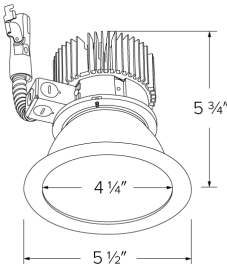
Installation: Must be installed on a Laurel System frame with compatible lumen rating. Frames are available for New Construction, Remodel and as a Retrofit Kit.

- 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.

Options
   Haze White Black
  Chrome Haze w/White Ring

Dimensions



Product Number Builder Example: E410L0827W2

ELCO 4" Reflector	Laurel	Lumens	Color Temp.	Finish
E410	L	08 850 lm	27 2700K	H All Haze

12 1250 lm
16 1600 lm
20 2000 lm
30 3000 lm

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

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

Generation



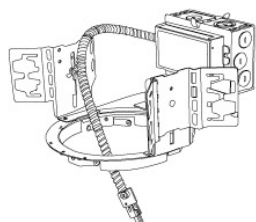
Gen 1
2 Gen 2

Compatible Products

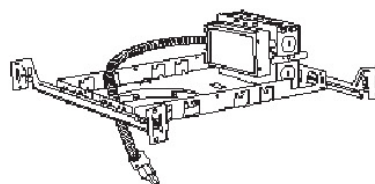
For use with 4" Laurel™ Light Engines



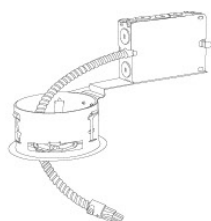
4" Laurel™ Commercial LED Frames



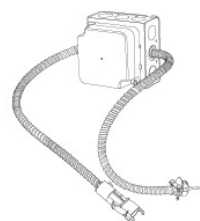
4" Architectural Frame
E4LH



4" Plaster Frame
E4LF



4" Remodel Frame
E4LR



4" Retrofit Kit
E4LT

PRODUCT NUMBER BUILDER

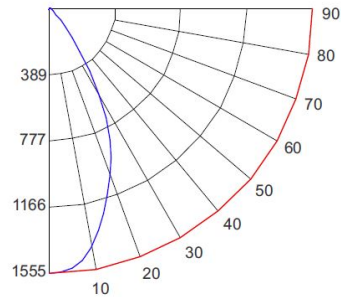
Frame Type		Voltage	Lumen	Dimming	Optional	Generation
E4LH	Architectural	U 120/277V	08 850 lm	D Triac/ELV/0-10V	EM1 Emergency Backup up to 700 lm output	(blank) Gen 1
E4LF	Plaster		12 1250 lm	S Sunset	EM2 Emergency Backup up to 1100 lm output	2 Gen 2
E4LR	Remodel		16 1600 lm	L Lutron		
E4LT	Retrofit		20 2000 lm			
			30 3000 lm			

LED Light Engine

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

PHOTOMETRIC REPORT

Product #: E410L1230
Wattage/Lumens: 15.7W/ 1124 Lm
Luminaire LPW: 72 Lm/W



CANDLE POWER SUMMARY

Degrees Vertical	0°
0	1555
5	1530
15	1244
25	850
35	312
45	54
55	1
65	1
75	0
85	0
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	97.2	4.0'
6'	43.2	6.0'
8'	24.3	8.0'
10'	15.5	10.0'

ZONAL LUMEN SUMMARY

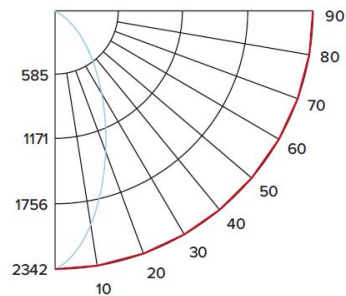
Zone	Lumens	% Luminaire
0-30°	868.78	77.30
0-40°	1072.36	95.40
0-60°	1122.45	99.90
0-90°	1123.58	100.00

LED Light Engine

Multiplier: 3000K (x 1.04), 3500K (x 1.08), 4000K (x 1.12)

PHOTOMETRIC REPORT

Product #: E410L2027H
Wattage/Lumens: 21.6W/ 1692 Lm
Luminaire LPW: 78 Lm/W



CANDLE POWER SUMMARY

Degrees Vertical	0°
0	2342
5	2304
15	1873
25	1281
35	469
45	81
55	2
65	1
75	0
85	0
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	146	4.0'
6'	65.0	6.0'
8'	36.6	8.0'
10'	23.4	10.0'

ZONAL LUMEN SUMMARY

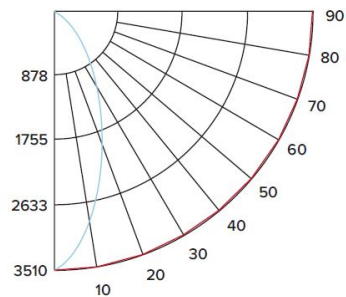
Zone	Lumens	% Luminaire
0-30°	1308.44	77.30
0-40°	1615.05	95.40
0-60°	1690.49	99.90
0-90°	1692.19	100.00

LED Light Engine

Multiplier: 3000K (x 1.04), 3500K (x 1.08), 4000K (x 1.12)

PHOTOMETRIC REPORT

Product #: E410L3027H
Wattage/Lumens: 31.5W/ 2537 Lm
Luminaire LPW: 81 Lm/W



CANDLE POWER SUMMARY

Degrees Vertical	0°
0	3510
5	3454
15	2808
25	1920
35	704
45	122
55	3
65	2
75	1
85	0
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	219	4.0'
6'	97.5	6.0'
8'	54.8	8.0'
10'	35.1	10.0'

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	1961.57	77.30
0-40°	2421.21	95.40
0-60°	2534.32	99.90
0-90°	2536.86	100.00