

4" Reflector LED Light Engine Trims



Features

- 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	18W
Lumens	1600 lm
Color Temp.	3000K
Lamp Type	LED
Beam Angle	60°
CRI	93+
Wet Location	Listed

Options



Haze



White



Black



Chrome



Haze w/White Ring

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:

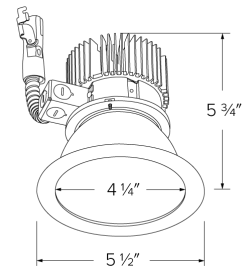
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

Listings:

- cULus Listed for Wet Location.
- RoHS Compliant.

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

Dimensions



Product Number Builder Example: 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