

Project name:		
Fixture type:		
Date:		

6" LED Light Engine with Drop Glass Trim (850-6000 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	18W
Lumens	1600 lm
Color Temp.	3000K
Lamp Type	LED
Beam Angle	60°
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. Drop glass helps to virtually eliminate glare.

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.

Sunset: Sunset color temperature is our dim-to-warm LED technology that allows the color temperature to become warmer as the product is dimmed. Our SUNSET items start at 3000K and go as low as 1800K when dimmed. For Sunset dim technology be sure to order an item with "Sunset" in the Color Temperature (CCT) attribute

Listings: cULus Listed for Wet Location. RoHS Compliant.

Options







Chrome

All Haze(semispecular)





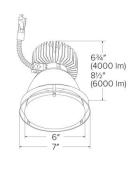
Haze w/White Trim

White

850 lm - 3000 lm Series



4000 lm - 6000 lm Series



Product Number Builder Example: E612L0827W2

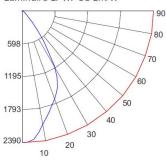
ELCO 6" Drop Glass	Laurel	Lumens	Color Temp.	Finish	Generation	Beam Angle
E612	L					
		08 850 lm	27 2700K ¹	W All White	2 Gen 2	60º
		12 1250 lm	30 3000K	B All Black	1 Gen 1	-F 38º ¹
		16 1600 lm	35 3500K	C All Chrome		-N 24º ¹
		20 2000 lm	40 4000K	H All Haze (Semi-		-S 15º ¹
		30 3000 lm	50 5000K	Specular)		
		40 4000 lm	SD Sunset 1, 2	HW Haze with White Trim		
		60 6000 lm		111111		

¹ Available for lumen packages up to 3000 lm only

LED Light Engine with Drop Glass Trim

Multiplier: 2700K (x 0.92), 3000K (x 0.96), 4000K (x 1.04)

PHOTOMETRIC REPORT
Product #: E612L2035H Wattage/Lumens: 21.6W/ 1900 lm Luminaire LPW: 88 Lm/W



Degrees Vertical	O°
0	2390
5	2338
15	1894
25	1519
35	648
45	59
55	2
65	1
75	0
85	0
90	0

CANDLE POWER SUMMARY

Distance to Target Plane	Footcandles Beam Center	Beam Diameter		
4'	149	4.5'		
6'	66.4	6.8'		
8'	37.3	9.1'		
10'	23.9	11.3'		

ZONAL LUMEN SUMMARY

ILLIMINANCE AT A DISTANCE

Zone	Lumens	% Luminaire
0-30°	1424.84	75.00
0-40°	1832.83	96.50
0-60°	1898.59	99.90
0-90°	1900.02	100.00

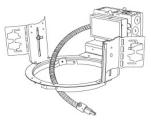
 $^{^{2}}$ Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

Compatible Products

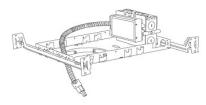


For use with **6" Laurel™ Light Engines**

6" Laurel™ Commercial LED Frames



6" Architectural Frame E6LH



6" Plaster Frame E6LF



6" Remodel Frame E6LR



6" Retrofit Kit E6LT

PRODUCT NUMBER BUILDER											
Fr	ame Type	Voltage		Lumen	1 [Dimming		Optional	1 [Gener	ation
E6LH	Architectural	U 120/277V	08	850 lm		Triac/ELV/0-10V	EM1	Emergency Backup up to 700 lm output		(blank)	Gen 1
E6LF	Plaster		12	1250 lm	9	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							