

Project name:		
Fixture type:		
Date:		

# 6" LED Light Engine with Drop Glass Trim

The perfect lighting solution for high-end residential and light commercial projects.



#### **Features**

- High efficacy LED module.
- Triac/ELV/0-10V dimming.
- Life span of 50,000 hours L70.
- USA designed and assembled.
- Limited 5 year warranty.
- 2 at the end of the item number denotes Generation 2.
   Please note Gen 2 and Gen 1 are not cross compatible.

#### **Specifications**

Wattage	12.88W
Lumens	1250 lm
Color Temp.	4000K
Lamp Type	LED
Beam Angle	60°
CRI	93+
Damp Location Listed	

#### **Technical Details**

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

**Trim Construction**: Reflector is two piece trim for maximum color versatility. Design allows for minimal glare and a strong glare cut-off. Trim is constructed of metal for lasting durability.

**Installation:** Must be installed on a Cedar<sup>™</sup> System frame with compatible lumen rating. Frames are available for New Construction and Remodel as IC or non-IC.

**LED Technology:** Extremely accurate Color Rendering Index of 93+. Efficacy of 97 lumens per watt. Lumen Maintaince 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 pixelation.

**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: cUL Listed, Wet Location. RoHS Compliant. California Title 24 (JA8-2016-E).

#### **Options**

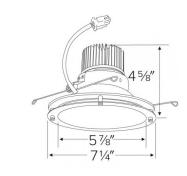


Chrome w/White Trim

All Bronze

Black w/White Trim

#### **Dimensions**



## Product Number Builder Example: E612C0827W2

ELCO 6" Drop Glass	Lumens	Color Temp.	Finish	Generation	Beam Angle
E612C					
	<b>08</b> 850 lm	<b>27</b> 2700K	<b>W</b> All White	<b>2</b> Gen 2	60º lens
	<b>12</b> 1250 lm	<b>30</b> 3000K	BZ All Bronze	<b>1</b> Gen 1	<b>-F</b> 38º lens
	<b>16</b> 1600 lm	<b>35</b> 3500K	B Black with White		-N 24º lens
	<b>20</b> 2000 lm	<b>40</b> 4000K	Trim		<b>-S</b> 15º lens
		<b>50</b> 5000K	c Chrome with White Trim		
		<b>SD</b> Sunset <sup>1</sup>	H Haze with White Trim		
			<b>G</b> Gold with White Trim		

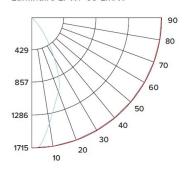
<sup>&</sup>lt;sup>1</sup> Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

### **LED Light Engine**

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

### PHOTOMETRIC REPORT

Product #: E612C1230 Wattage/Lumens: 15.7W/ 1076 Lm Luminaire LPW: 69 Lm/W



Degrees Vertical	O°	
0	1715	
5	1614	
15	1099	
25	864	
35	322	
45	24	
55	1	
65	1	
75	0	
85	0	
90	0	

**CANDLE POWER SUMMARY** 

#### **ILLUMINANCE AT A DISTANCE**

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	107	3.8'
6'	47.6	5.6'
8'	26.8	7.5'
10'	17.1	9.4'

#### **ZONAL LUMEN SUMMARY**

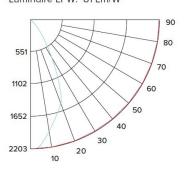
Zone	Lumens	% Luminaire
0-30°	839.73	78.00
0-40°	1048.35	97.40
0-60°	1075.43	99.90
0-90°	1076.31	100.00

## **LED Light Engine**

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

#### PHOTOMETRIC REPORT

Product #: E612C2030 Wattage/Lumens: 21.6W/ 1751 Lm Luminaire LPW: 81 Lm/W



	THE STREET STORY
Degrees Vertical	O°
0	2203
5	2155
15	1746
25	1401
35	597
45	55
55	2
65	1
75	0
85	0
90	0

**CANDLE POWER SUMMARY** 

#### **ILLUMINANCE AT A DISTANCE**

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	138	4.5'
6'	61.2	6.8'
8'	34.4	9.1'
10'	22.0	11.3'

#### **ZONAL LUMEN SUMMARY**

Zon	е	Lumens	% Luminaire
0-30	)°	1313.28	75.00
0-40	)°	1689.32	96.50
0-60	)°	1749.93	99.90
0-90	)°	1751.25	100.00

# **Compatible** Products



**ELCO** Lighting

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

## 6" Cedar™ Dedicated LED ICA Housings

CAT NO

E6LC



2-Hour Fire Rated 6" ICA Housing New Construction

CAT NO.

E6FH

SPECIFICATIONS

Up to 1250lm



6" ICA Housing

New Construction

**SPECIFICATIONS** 

Up to 2000lm



6" ICA Housing

New Construction

CAT NO.

E6LC



6" ICA Housing Remodel

SPECIFICATIONS	CAT NO.	SPECIFICATIONS
Up to 1250lm	F6LRC	Up to 1250lm

# 6" Cedar™ Dedicated LED Non-IC Housings



6" Non-IC Housing **New Construction** 



6" Non-IC Housing Remodel

CAT NO.	SPECIFICATIONS
F6LC	Un to 2000lm

CAT NO.	SPECIFICATIONS
E6LRC	Up to 2000lm

PRODUCT NUMBER BUILDER									
Housing Type			Lumen		ICA Airtight		Dimming		Optional
E6FH	Fire Rated	08	850 lm	(Blank	Non-IC	(Blank)	120V Triac/ELV	EM1	Emergency Backup up to 700 lm output
E6LC	New Construction	12	1250 lm	ICA	IC Airtight	D	120/277V Triac/ELV/0-10V	EM2	Emergency Backup up to 1100 lm output
E6LRC	Remodel	16	1600 lm			L	Lutron		
		20	2000 lm						