

6" LED Light Engine with Reflector 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.	3000K
Lamp Type	LED
Beam Angle	60°
CRI	93+
Wet Location	Listed

Options



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™ System frame with compatible lumen rating. Frames are available for New Construction and Remodel as IC or non-IC.

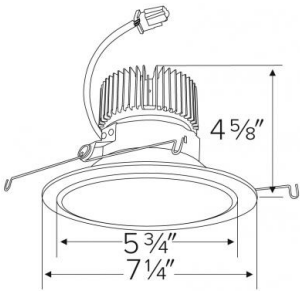
LED Technology:

- 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.

Listings:

- UL Listed for Wet Location.
- RoHS Compliant.
- California Title 24 (JA8-2016-E).

Dimensions



Product Number Builder Example: E610C0827W2

ELCO 6" Reflector	Lumens	Color Temp.	Finish	Generation
E610C	08 850 lm 12 1250 lm 16 1600 lm 20 2000 lm	27 2700K 30 3000K 35 3500K 40 4000K	W All White BZ All Bronze B Black w/White Ring C Chrome w/White Ring	Gen 1 2 Gen 2

Multiplier: 2700K (x 0.96), 3000K (x 1.04), 3500K (x 1.08), 4000K (x 1.12)

Degrees Vertical	0°
0	1807
5	1701
15	1159
25	911
35	339
45	25
55	1
65	1
75	0
85	0
90	0

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	113	3.8'
6'	50.2	5.6'
8'	28.2	7.5'
10'	18.1	9.4'

Zone	Lumens	% Luminaire
0-30°	885.02	78.00
0-40°	1104.89	97.40
0-60°	1133.43	99.90
0-90°	1134.36	100.00

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

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

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'

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

For use with 6" Cedar™ Light Engines

6" Cedar™ Dedicated LED ICA Housings



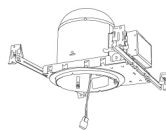
2-Hour Fire Rated
6" ICA Housing
New Construction

CAT NO.	SPECIFICATIONS
E6FH	Up to 1250lm



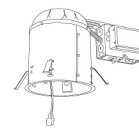
6" ICA Housing
New Construction

CAT NO.	SPECIFICATIONS
E6LC	Up to 2000lm



6" ICA Housing
New Construction

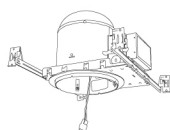
CAT NO.	SPECIFICATIONS
E6LC	Up to 1250lm



6" ICA Housing
Remodel

CAT NO.	SPECIFICATIONS
E6LRC	Up to 1250lm

6" Cedar™ Dedicated LED Non-IC Housings



6" Non-IC Housing
New Construction

CAT NO.	SPECIFICATIONS
E6LC	Up to 2000lm



6" Non-IC Housing
Remodel

CAT NO.	SPECIFICATIONS
E6LRC	Up to 2000lm

PRODUCT NUMBER BUILDER

Housing Type	Lumen	ICA Airtight	Dimming	Optional
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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			