

1" Round Recessed Adjustable Oak™ Gimbal

Small aperture 12V AC Downlight delivers over 600 lumens. More than a traditional 50W MR16 Halogen Lamp. Requires 12V AC Transformer (daisy chain up to 6). Dimmable ELV, MLV or 0-10V depending on transformer used.



Features

- Requires 12V AC transformer. Dimmable ELV, MLV or 0-10V depending on transformer used.
- IC for use with direct contact to insulation
- Height allows for use in ceilings with under 4" depth. Ceiling thickness can be reduced from fixture depth.
- Daisy chain up to 6 fixtures with E1LDRV60
- 38° Standard beam with optional 28° and 50°
- Remodel requires no frame. New construction E1LF2 frame available.
- UL Damp Location Rated
- UL Listed, Meets California Title 24 JA8-2016-E and Energy Star standards.
- Life Span 50,000 Hours L70

Specifications

Wattage	6.1W
Lumens	650 lm
Voltage	12V AC
Color Temp.	3000K
Dimmable	Yes
Lamp Type	LED
Beam Angle	38°

Options



White

Bronze

Black

Technical Details

Optics: PC Lens for even lumen distribution. Standard 38° lens. Optional 28° (EP713C) and 50° (EP715C) available.

Adjustability: 360° rotation with 30° gimbal adjustability. Gimbal can be locked into place by tightening locking screw.

Construction: Diecast construction for lasting quality and greater heat dissipation. High quality powder coat finish prevents rust and paint cracking.

Installation: Requires 12V AC transformer. Can be installed on E1LF2 new construction frame. Remodel requires no frame. Hole cutout size: 2 3/8" (61 mm). Height allows for use in ceilings with under 4" depth. Ceiling thickness can be reduced from fixture depth.

LED Technology: Extremely accurate color rendering with 93+ CRI. Efficacy of up to 110 lumens per watt. Lumen Maintenance of 50,000 hours L70 based on LM80. Superior Thermal Management by utilizing diecast aluminum body as heat sink.

Electrical: Requires 12V AC transformer. Can be daisy chained up to 6 fixtures with E1LDRV60 or can be wired 1 fixture per transformer.

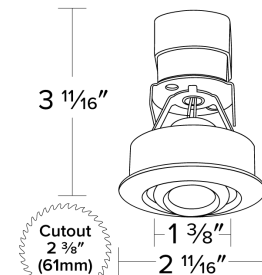
Delivered Lumens:

E1L32F27 625 lm/2700K **E1L32F30** 650 lm/3000K **E1L32F35** 675 lm/3500K **E1L32F40** 700 lm/4000K

Dimming: Dims with MLV dimmers when powered by dimmable magnetic 12V AC transformer. Works with ELV dimmers when powered by dimmable electronic 12V AC transformer. Dims with 0-10V systems with 0-10V dimmable 12V AC transformer. Check transformer and dimmer compatibility before installation.

Listings: cUL Listed. UL Listed for DAMP Location. UL Listed for direct contact with insulation. Meets California

Dimensions



Product Number

Item	Lamp type	Lumens	CCT	Watts	Voltage	Dimming	Beam Angle	Finish
E1L32F30B	LED	650 lm	3000K	6.1W	12V AC	Yes	38°	Black

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

Product Number Builder Example: E1L32F27W

Trim	Style	Beam Angle	Color Temperature	Finish
E1L	32 Round	F 38° NF 28° WF 50°	27 2700K 30 3000K 35 3500K 40 4000K	W White BZ Bronze B All Black

Distance from Transformer to 1st Fixture	#12 Gauge						#14 Gauge						#18 Gauge					
	Number of Fixtures						Number of Fixtures						Number of Fixtures					
	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6
1'	12.0	11.9	11.6	11.5	11.1	10.8	12.0	11.9	11.6	11.5	10.9	10.7	11.9	11.8	11.3	11.1	9.9	9.6
2'	11.9	11.9	11.6	11.4	10.8	10.7	11.9	11.8	11.5	11.3	10.7	10.5	11.9	11.6	11.1	10.9	9.7	9.1
4'	11.9	11.8	11.5	11.3	10.6	10.4	11.9	11.8	11.4	11.2	10.2	10.2	11.8	11.5	11.0	10.8	9.5	8.7
6'	11.9	11.8	11.4	11.3	10.5	10.3	11.9	11.7	11.3	11.2	10.3	10.0	11.7	11.3	10.8	10.5	9.3	8.2
8'	11.8	11.7	11.3	11.1	10.3	9.9	11.7	11.6	11.5	10.9	9.8	9.5	11.5	11.2	10.4	9.8	8.6	7.4
10'	11.7	11.6	11.2	10.9	10.1	9.4	11.7	11.6	11.1	10.9	9.7	9.2	11.4	11.0	10.4	9.3	8.1	6.9
16'	11.7	11.7	11.3	10.7	9.9	8.9	11.5	11.4	10.9	10.2	9.0	8.2	11.3	10.9	10.1	8.8	7.6	6.6
20'	11.4	11.3	10.9	10.1	9.2	8.2	11.5	11.3	10.8	9.9	8.6	7.6	10.8	10.0	8.5	7.1	5.9	4.4

Notes:

1. Max 6 fixtures.
2. For this analysis, 3' of wire was used between fixtures.
3. There will be an additional drop of ~1V if a dimmer is used.
4. Recommended maximum voltage drop is to 10.5V.

Compatible Products



For use with 1" Oak™ Adjustable Light Engines

1" Oak™ New Construction IC Frames



IC Rated Frame*
New Construction



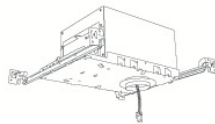
IC Rated Multiple Frame*
New Construction

CAT NO.	SPECIFICATIONS
E1LF2	2 3/8" Cutout for E1L32 and E1I22

CAT NO.	SPECIFICATIONS
E1LF2-M2	2 Set for E1L32 and E1I22
E1LF2-M3	3 Set for E1L32 and E1I22
E1LF2-M4	4 Set for E1L32 and E1I22
E1LF2-M5	5 Set for E1L32 and E1I22

*Requires 12V AC transformer (not included)

1" Oak™ New Construction IC Rated



Specialty R-60
1" IC Housing - Includes transformer
New Construction

CAT NO.	SPECIFICATIONS
E1LF2ICAJ	2 3/8" Cutout for E1L32 and E1I22

PRODUCT NUMBER BUILDER

1" Oak™ IC Rated Housing

E1LF2ICAJ	R60 IC New Construction Housing
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Dimming

(blank)	120V Input, ELV Dimmable
-7	277V Input, Non-Dimmable
DX	120V Input, 0-10V Dimmable
DX-7	277V Input, 0-10V Dimmable

Compatible Products

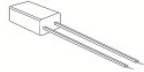
For use with 1" Oak™ Light Engines



1" Oak™ 12V AC Transformers



Enclosed Electronic Transformer



Electronic Transformer



0-10V Dimmable Electronic Transformer



Magnetic Transformer

CAT NO.	SPECIFICATIONS	CAT NO.	SPECIFICATIONS	CAT NO.	SPECIFICATIONS	CAT NO.	SPECIFICATIONS
E1LDRV60	ELV Dimmable	LET-60	120V Input	LET-60DX	120V Input	ETR12	50W, Daisy Chain 2-6
		LET-60H	120V Input, Hatch	LET-60DX-277	277V Input	ETR12-20	20W, Daisy Chain 1-3
		LET-60-277	277 Input				

1" Oak™ Accessories



Optional Lenses for
E1L02, E1L12, & E1L32

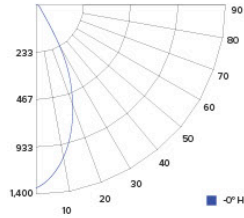
CAT NO.	SPECIFICATIONS
EP713C	28°
EP715C	50°

Photometric Report

Oak™ LED Light Engine

PHOTOMETRIC REPORT

Product #: E1L32F30
 Wattage / Lumens: 6.2W / 600 lm
 Luminaire LPW: 96 lm/W



CANDLE POWER SUMMARY

Degree Vertical	0°
0	1319
5	1276
15	887
25	383
35	106
45	33
55	14
65	8
75	4
85	1
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	82.4	2.8'
6'	36.6	4.2'
8'	20.6	5.6'
10'	13.2	6.9'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	534.4	81.2
0-40°	605.2	91.9
0-60°	644.9	98
0-90°	658.4	100