

Architectural Recessed Lighting



ARCHITECTURAL

OakTM

System

1" Miniature LED Downlights



ELCO Lighting

The Best Choice in Lighting



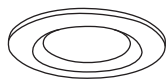
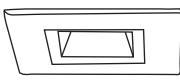
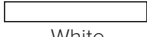

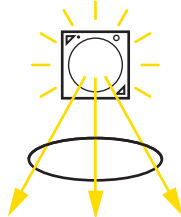


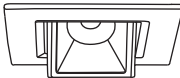


The **Architectural Oak™** LED Downlights

Our smallest LED recessed downlights and adjustables are engineered to squeeze into the tiniest of spaces, indoors or outdoors, yet still provide enough power to light up the surroundings. With over 850 lumens delivered, they produce more brilliant white light than a traditional 50W halogen product. The 1" Architectural Oak™ System with push-&-twist connector can be installed into new construction or remodel applications.

The Architectural Oak™ System

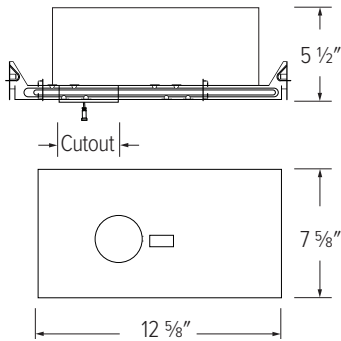
1" Miniature LED Downlights



STYLES		FINISHES		LUMENS		COLOR TEMPERATURE	
							
Round	Square	White	Black	850 lm to 1000 lm	2700K - 4000K & Sunset		
							
Round Gimbal	Square Adjustable	Bronze	Haze				

Oak™ Architectural IC Rated New Construction Housings & Frames

- Listed for direct contact with insulation
- Frame specified for 900 lumens (8W)
- Driver specified for 120V (Triac/ELV dimming) or 120/277V (0-10V/Triac/ELV Dimming)
- Damp Location Listed, Wet Location with Wet Location Light Engines
- JA8-2016-E Listed, UL Listed



Oak™ R60 IC Airtight New Construction Housing

- Must be used with Architectural Oak™ Light Engines
- Double Wall IC Airtight R60 foam insulation housing
- Driver included on frame
- Driver specified for 120V (Triac/ELV) or 120/277V (0-10/triac/ELV)

Compatible with: E1AK02 and E1AK12 Downlights
Cutout: 2"

E1DWN08AJIC
(120V, Triac/ELV)

E1DWN08AJICDX
(120/277V, 0-10V/Triac/ELV)

Compatible with: E1AK22 and E1AK32 Adjustables
Cutout: 2 3/8"

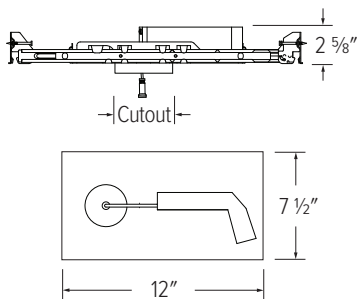
E1ATB08AJIC
(120V, Triac/ELV)

E1ATB08AJICDX
(120/277V, 0-10V/Triac/ELV)

Compatible with: E1AK61 Trimless Downlights
Cutout: 2 3/4"

E1TRL08AJIC
(120V, Triac/ELV)

E1TRL08AJICDX
(120/277V, 0-10V/Triac/ELV)



Oak™ IC New Construction Frame

- Must be used with Architectural Oak™ Light Engines
- IC rated for direct contact with insulation
- Driver included on frame
- Driver specified for 120V (Triac/ELV) or 120/277V (0-10/triac/ELV)

Compatible with: E1AK02 and E1AK12 Downlights
Cutout: 2"

E1DWN08IC
(120V, Triac/ELV)

E1DWN08ICDX
(120/277V, 0-10V/Triac/ELV)

Compatible with: E1AK22 and E1AK32 Adjustables
Cutout: 2 3/8"

E1ATB08IC
(120V, Triac/ELV)

E1ATB08ICDX
(120/277V, 0-10V/Triac/ELV)

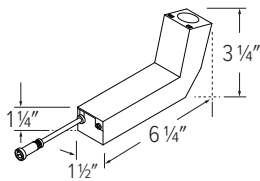
Compatible with: E1AK61 Trimless Downlights
Cutout: 2 3/4"

E1TRL08IC
(120V, Triac/ELV)

E1TRL08ICDX
(120/277V, 0-10V/Triac/ELV)

Oak™ Architectural IC Rated Remodel Power Packs

- Listed for direct contact with insulation
- Frame specified for 900 lumens (8W)
- Driver specified for 120V (Triac/ELV dimming) or 120/277V (0-10V/Triac/ELV Dimming)
- Damp Location Listed, Wet Location with Wet Location Light Engines
- JA8-2016-E Listed, UL Listed



Oak™ IC Remodel Power Pack

- For use with Architectural Oak™ Light Engines
- IC rated for direct contact with insulation
- Driver specified for 120V (Triac/ELV) or 120/277V (0-10/triac/ELV)
- Fits through 2" hole

E1RLA08IC (120V, Triac/ELV)

E1RLA08ICDX (120/277V, 0-10V/Triac/ELV)

Accessories for Remodel IC Power Packs



Oak™ Single Downlight Frames

- Requires transformer
- IC rated

E1LF1 2" Cutout - 4 5/8" Sq. frame

Compatible with E1AK02 and E1AK12 Downlights

E1LF2 2 3/8" Cutout - 4 5/8" Sq. frame

Compatible with E1AK22 and E1AK32 Adjustables

E2LF1 2 5/8" Cutout - 4 3/8" L x 4 3/4" W frame

Compatible with E1AK61 Trimless Downlights



Oak™ Multiple Downlight Frames

- Requires transformer
- For row mounting fixtures
- IC rated

E1LF1-M2 2 Set - total length of frame: 8 3/4"

E1LF1-M3 3 Set - total length of frame: 13"

E1LF1-M4 4 Set - total length of frame: 17 1/2"

E1LF1-M5 5 Set - total length of frame: 21 3/4"

Compatible with E1AK02 and E1AK12 Downlights

E1LF2-M2 2 Set - total length of frame: 8 3/4"

E1LF2-M3 3 Set - total length of frame: 13"

E1LF2-M4 4 Set - total length of frame: 17 1/2"

E1LF2-M5 5 Set - total length of frame: 21 3/4"

Compatible with E1AK22 and E1AK32 Adjustables

E2LF1-M2 2 Set - total length of frame: 8 3/4"

E2LF1-M3 3 Set - total length of frame: 13 1/8"

E2LF1-M4 4 Set - total length of frame: 17 1/2"

E2LF1-M5 5 Set - total length of frame: 21 7/8"

Compatible with E1AK61 Trimless Downlights

Oak™ Architectural Recessed Downlights

Small aperture downlight delivers up to 1000 lumens.
More light than a traditional 50W MR16 Halogen Lamp.

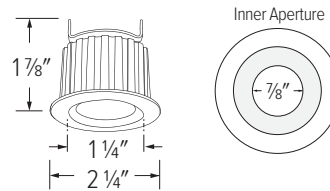
- IC Airtight for use with direct contact with insulation
- Height allows for use in 2 x 6 construction
- 38° Standard beam with optional 28° and 50°
- Wet location rated for indoor and outdoor use
- JA8-2022-E, UL Listed
- Life Span 50,000 Hours L70



(W) All White (B) Blk/Wht Ring (BZ) All Bronze (H) Haze/Wht Ring (BB) All Black

1" Round Downlight

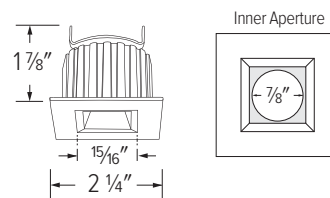
Lumens: 850 - 1000 lm
Color Temp: 2700K-4000K, Sunset
CRI: 93+
Wet Loc: UL Listed



(W) All White (B) Blk/Wht Ring (BZ) All Bronze (H) Haze/Wht Ring (BB) All Black

1" Square Downlight

Lumens: 850 - 1000 lm
Color Temp: 2700K-4000K, Sunset
CRI: 93+
Wet Loc: UL Listed



**Product
Number
Builder**

1" Oak™ Architectural Downlight	Style	Beam Angle	Color Temperature	Finish
E1AK	02 Round 12 Square	F 38° (Standard) NF 28° WF 50°	27 2700K 30 3000K 35 3500K 40 4000K SD Sunset	W All White B Black/White Ring BZ All Bronze H Haze/White Ring BB All Black

Example: **E1AK02F40B** [1" Oak™ Architectural Round Downlight, 38° Beam Angle, 4000K, Black/White Ring]

Oak™ Architectural Recessed Adjustables

Small aperture adjustable downlight delivers up to 900 lumens with 30° adjustability. More light than a traditional 50W MR16 Halogen Lamp.

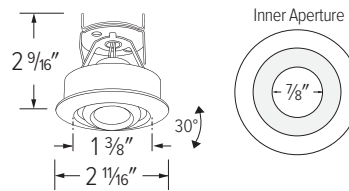
- 30° Gimbal adjustability
- IC for use with direct contact with insulation
- Height allows for use in 2 x 4 construction
- 38° Standard beam with optional 28° and 50°
- Damp location rated
- JA8-2022-E, UL Listed
- Life Span 50,000 Hours L70



(W) All White (B) All Black

1" Round Gimbal

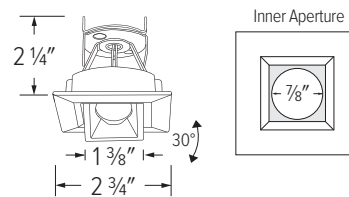
Lumens: 850 - 900 lm
Color Temp: 2700K - 3000K
CRI: 93+
Damp Loc: UL Listed



(W) All White (B) All Black

1" Square Pull Down

Lumens: 850 - 900 lm
Color Temp: 2700K - 3000K
CRI: 93+
Damp Loc: UL Listed



**Product
 Number
 Builder**

1" Oak™ Architectural Adjustables	Style	Beam Angle	Color Temperature	Finish
E1AK	32 Round Gimbal	F 38° (Standard)	27 2700K	W All White
	22 Square Pull Down	NF 28° WF 50°	30 3000K	B All Black

Example: **E1AK32F30B** [1" Oak™ Architectural Round Gimbal, 38° Beam Angle, 3000K, All Black]

Oak™ Architectural Trimless Downlights

- Trimless Downlight Requires: 1" Trimless LED Light Engine (E1AK61F Series) plus 1" Trimless Spackle Frame (EL01SFR) sold separately
- IC Airtight for use with direct contact with insulation
- 38° Standard beam with optional 28° and 50°
- JA8-2022-E, UL Listed

New Construction application requires frame (E1TRL081C)

Height allows for use in ceilings with under 3" depth

1" Trimless Spackle Frame (EL01SFR) ordered separately

Push-&-Twist Quick Connect

1" Architectural Oak™ Trimless Light Engine (E1AK61F Series)

Trimless Light Engine slides in-&-out of a finished ceiling with the ease of a click

Designed to seamlessly make the trim ring invisible, showing only the reflector and lens with no visible trim ring.

Oak™ Architectural Light Engine slides in-&-out of a finished ceiling with the ease of a click.

Mount Spackle Frame
Well engineered extra thin spackle frame for a easy mudding and lasting quality

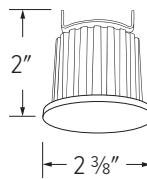
Oak™ Trimless Design
Designed to seamlessly make the trim ring invisible showing only the reflector and lens

DIMS TO WARM
SUNSET DIMMING TECHNOLOGY

(W) All White (B) All Black (BZ) All Bronze

1" Round Trimless

Lumens: 850 - 1000 lm
Color Temp: 2700K-4000K, Sunset
CRI: 93+
Wet Loc: UL Listed



1" Trimless Spackle Frame
EL01SFR 2 3/8" I.D. - 4" O.D.

Product Number Builder

1" Oak™ Architectural Trimless	Style	Beam Angle	Color Temperature	Finish
E1AK	61 Round	F 38° (Standard) NF 28° WF 50°	27 2700K 30 3000K 35 3500K 40 4000K SD Sunset	W All White B All Black BZ All Bronze

Example: **E1AK61FSDW** [1" Oak™ Architectural Round Trimless, 38° Beam Angle, Sunset, All White]

Oak™ Architectural Accessories

Trims (for use with E1AK02 and E1AK12 only)



RM1W All White **RM1B** Black/Whit Ring **RM1BZ** All Bronze **RM1H** Haze/Whit Ring **RM1BB** All Black



RM11W All White **RM11B** Black/Whit Ring **RM11BZ** All Bronze **RM11H** Haze/Whit Ring **RM11BB** All Black

Trimless Ring (for use with E1AK61 only)



RM1TLW All White **RM1TLB** Black/Whit Ring **RM1TLBZ** All Bronze

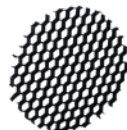
Lens & Optics (field changeable for E1AK02, E1AK12 & E1AK32)



Optional Lens
EP713C (28°)
EP714C (38°)
EP715C (50°)

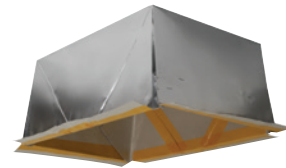


Frosted Diffuser
L60
For a softer light



Hex Louver
L61
For a better glare shield

Fire Rated Products



1-Hour Fire Enclosure for Recessed Fixtures

FIREENCL Standard - 9" H x 20 3/8" L x 14 3/8" W
FIREENCL-S Shallow - 7 1/4" H x 16" L x 14 3/8" W

Provides fire barrier around recessed lights. ETL approved 1-hour fire rating. Meets UL 263, ASTM E119 Specifications. To be used with Mica Tape (FIRETAPE sold separately) to seal the power feeding point.



Mica Adhesive Fire Tape for Fire Enclosure

FIRETAPE 3/4" W x 16' L

Fire proof mica adhesive tape helps seal the power feeding point on Fire Enclosure. Offers outstanding high temperature and flame resistance, and provides excellent electrical insulation.



2-Hour Fire Cover for Recessed Fixtures

FIRECVR 9 3/4" H x 17" O.D. x 13" I.D.

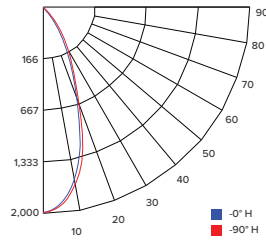
Made of heat activated intumescent material. UL approved for most ceiling types: sheetrock drywall, gypsum & acoustical tiles. UL Rated enclosure stops flame spread and heat transmission for up to 2 hours.

Photometric Report

Oak™ Architectural LED Light Engines

PHOTOMETRIC REPORT

Product #: E1AK02F40
Wattage / Lumens: 8.1W / 1012 lm
Luminaire LPW: 124.9 lm/W



CANDLE POWER SUMMARY

Degree Vertical	0°
0	1978
5	1867
15	1303
25	537
35	197
45	48
55	20
65	11
75	7
85	1
90	0

ILLUMINANCE AT A DISTANCE

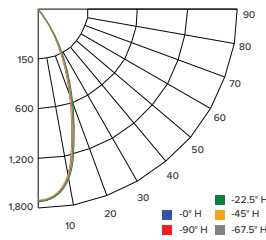
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	124	2.8'
6'	54.9	4.1'
8'	30.9	5.5'
10'	19.8	6.9'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	793.7	79.3
0-40°	922.5	92.2
0-60°	982.0	98.1
0-90°	1,000.8	100

PHOTOMETRIC REPORT

Product #: E1AK12F27
Wattage / Lumens: 8W / 853 lm
Luminaire LPW: 106.6 lm/W



CANDLE POWER SUMMARY

Degree Vertical	0°
0	1707
5	1661
15	1138
25	433
35	125
45	42
55	24
65	14
75	6
85	1
90	0

ILLUMINANCE AT A DISTANCE

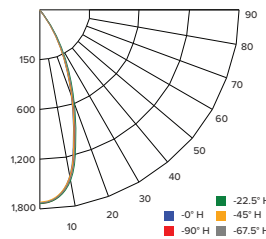
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	107	2.7'
6'	47.4	4.0'
8'	26.7	5.4'
10'	17.1	6.7'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	678.5	79.8
0-40°	767.3	90.3
0-60°	827.6	97.3
0-90°	850.1	100

PHOTOMETRIC REPORT

Product #: E1AK22F30
Wattage / Lumens: 8.1W / 897 lm
Luminaire LPW: 110.7 lm/W



CANDLE POWER SUMMARY

Degree Vertical	0°
0	1756
5	1698
15	1173
25	497
35	146
45	52
55	18
65	8
75	4
85	0
90	0

ILLUMINANCE AT A DISTANCE

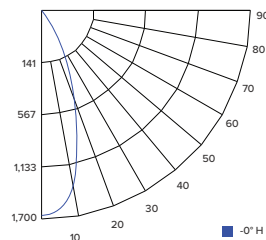
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	110	2.8'
6'	48.8	4.2'
8'	27.4	5.6'
10'	17.6	7.0'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	714.4	79.8
0-40°	820.3	91.7
0-60°	881.3	98.5
0-90°	894.8	100

PHOTOMETRIC REPORT

Product #: E1AK32F5D
Wattage / Lumens: 8.1W / 850 lm
Luminaire LPW: 104.9 lm/W



CANDLE POWER SUMMARY

Degree Vertical	0°
0	1675
5	1620
15	1126
25	486
35	135
45	42
55	18
65	10
75	5
85	1
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	105	2.8'
6'	46.5	4.2'
8'	26.2	5.6'
10'	16.7	6.9'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	678.6	81.2
0-40°	768.6	91.9
0-60°	818.9	98
0-90°	836.0	100

The **Quality** Choice



The **Leading** Choice



The **Timely** Choice



The **Contractor's** Choice

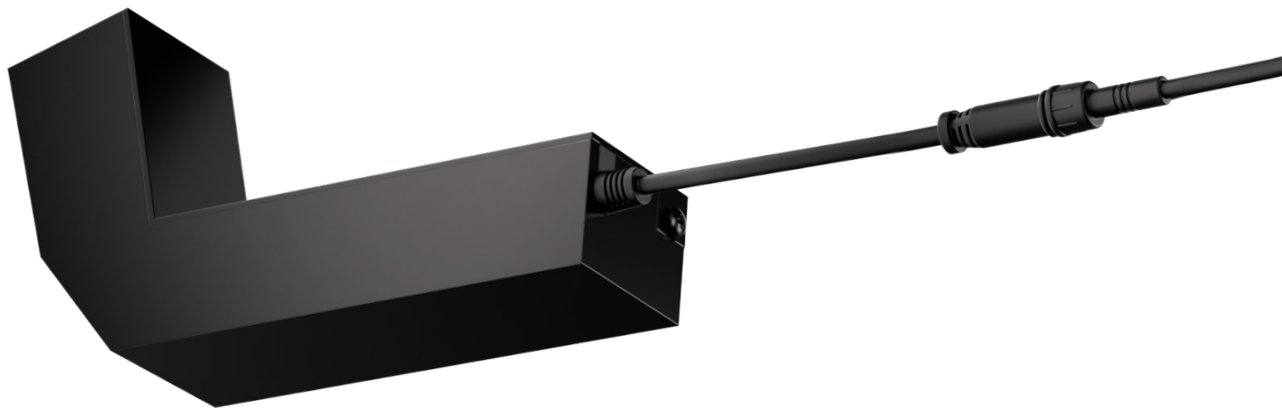
The **Trusted** Choice

Over two and a half decades ago, in the heart of Los Angeles, ELCO Lighting was founded on the philosophy that high quality lighting products should be sold at a fair market price. Our commitment to this philosophy and dedication to exceptional customer service serve as the very soul of our company. We take pride in our perpetual commitment to such standards that enable

us to continually prosper in a highly competitive and unpredictable industry. With our expanding LED product line that entails recessed, track, undercabinet, outdoor and emergency lighting, we are ready to fulfill a variety of lighting demands. Quality engineering, fair market value, professional customer service, and micro-managed inventory are the cornerstones of ELCO Lighting.



ELCAT1069



EL ELCO Lighting

Corporate Headquarters **Customer Service**

2042 E. Vernon Ave.
Vernon, CA 90058
Tel: 323.231.2600
Fax: 323.231.3200
elcolighting.com

Tel: 800.522.2626
Fax: 800.644.2626
orderdesk@elcolighting.com
customerservice@elcolighting.com
sales@elcolighting.com

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