

Project name:

Fixture type:

Date:

# 1" Round Architectural Oak™ Trimless Downlight

Small aperture downlight delivers up to 1000 lumens. More than a traditional 50W MR16 halogen lamp. Beam options and color finish options offer maximum flexibility in design. Drivers and housings are specified separately for maximum flexibility per your project's needs. The patented engine offers auto-release clips that make installation a breeze.



### Features

- IC Airtight for use with Direct Contact to insulation
- Trimless Downlight Requires: 1" Trimless Spackle Frame (EL01SFR) sold separately
- Works with compatible ceilings up to 1<sup>1</sup>/<sub>4</sub>"
- Height allows for use in ceilings with under 3" depth. Ceiling thickness can be reduced from fixture depth.
- Remodel requires no frame. New construction E1TRL08AJIC frame available
   38° Standard beam with optional 28° and 50°
- Wet Location Rated
- Wet Location Rated
- JA8-2022-E, UL Listed, and Energy Star Qualified
- Life Span 50,000 Hours L70

## **Technical Details**

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

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

Installation: Hole cutout size: 2 3/4" (70 mm). Oak™ LED Light engines require driver. Can be utilized in new construction and remodel applications.

**LED Technology:** Extremely accurate color rendering with 93+ CRI. Efficacy of up to 104 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 driver. Driver and housing can be specified with voltage (120V or 120/277V) and dimming (ELV/Triac or 0-10V/Triac/ELV)

**Compatible Housings/Delivered Lumens: Architectural Oak**™ Light Engines are compatible with 120/277V 0-10V/Triac/ELV or 120V Triac/ELV Architectural Oak™ Housings.

• Delivered Lumens: 2700K: 850 lm, 3000K: 900 lm, 3500K: 950 lm, 4000K: 1000 lm, Sunset: 850 lm

Dimming: See Oak<sup>™</sup> Housings and drivers for specific dimming information.

**Listings**: cUL Listed. UL Listed for Wet Location. UL Listed for direct contact with insulation. Airtight per ASTM E-283. ENERGY STAR® Qualitified. California Title 24 (JA8-2022-E).

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

## Specifications

Wattage	8W
Lumens	1000 lm
Color Temp.	4000K
Lamp Type	LED
Beam Angle	28°
CRI	93+
Wet Location	Listed

## Options





All White

All Black

All Bronze



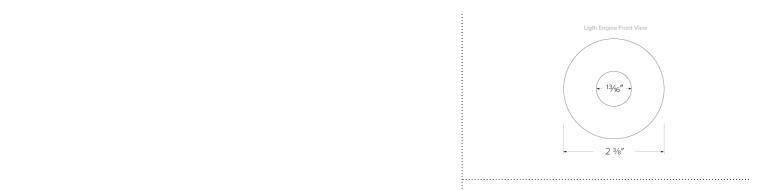
Spackle Frame (Ordered Separately)

## Dimensions

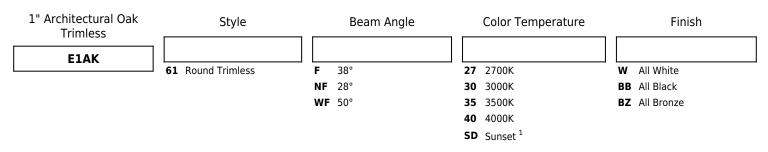


## **Front View Dimensions**

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# Product Number Builder Example: E1AK61F27BB



<sup>1</sup> Sunset, Dim to Warm technology, automatically transitions from 2700K to 1800K when dimmed

# **Compatible** Products



For use with 1" Oak™ Architectural Trimless Downlights

# 1" Oak<sup>™</sup> New Construction Housings, Frames & Power Packs

CAT NO.

E1TRL08IC

E1TRL08ICDX

R-60 IC Airtight Housing - Driver Included -**New Construction** 

#### CAT NO. SPECIFICATIONS E1TRL08AJIC 120V, Triac/ELV E1TRL08AJICDX 120/277V, 0-10V/Triac/ELV



IC Rated Frame - Driver Included -New Construction

> SPECIFICATIONS 120V, Triac/ELV

120/277V, 0-10V/Triac/ELV



IC Rated Power Pack - Fits through 2" hole -Remodel

CAT NO.	SPECIFICATIONS
E1LA08RIC	120V, Triac/ELV
E1LA08RICDX	120/277V, 0-10V/Triac/ELV

# Accessories for Remodel IC Power Pack



Single Downlight Frames **New Construction** 

CAT NO.	SPECIFICATIONS
E2LF1	2 5⁄8″ Cutout
*Require	s Power Pack (not included)



Multiple Downlight Frames **New Construction** 

CAT NO.	SPECIFICATIONS
E2LF1-M2	2-Set, 8 ¾" total length of frame
E2LF1-M3	3-Set, 13 1/8" total length of frame
E2LF1-M4	4-Set, 17 ½" total length of frame
E2LF1-M5	5-Set, 21 %" total length of frame

\*Requires Power Pack (not included)

# 1″ Oak<sup>™</sup> Accessories



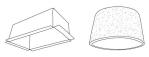
**Trimless Rings** 

CAT NO.	SPECIFICATIONS
RM1TLW	All White
RM1TLB	All Black
RM1TLBZ	All Bronze



Lens & Optics

CAT NO.	SPECIFICATIONS	CA
EP713C	28° Lens	FIR
EP714C	38° Lens	FIR
EP715C	50° Lens	
L60	Frosted Diffuser (For E1AK02, E1AK12, & E1AK32)	FIR
L61	Hex Louver (For E1AK02, E1AK12, & E1AK32)	



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Fire Rated Products

CAT NO.	SPECIFICATIONS	
FIREENCL	Standard - 9″ H x 20 ¾″ L x 14 ¾″ W	
FIREENCL-S	Shallow - 7 ¼″ H x 16″ L x 14 ¾″ W	
1-Hr Fire Enclosure for Recessed Fixtures		
FIRECVR	9 ¾″ H × 17″ O.D. × 13″ I.D.	
2-Hr Fire Cover for Recessed Fixtures		

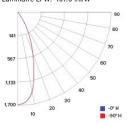
# Photometric Report

## 1" Round Architectural Oak™ Trimless Downlight

**Degress Vertical** 

#### PHOTOMETRIC REPORT

Product #: E1AK61F27 Wattage / Lumens: 7.9W / 850 lm Luminaire LPW: 107.6 lm/W



# CANDLE POWER SUMMARY Degress Vertical 0°

0°

#### ILLUMINANCE AT A DISTANCE

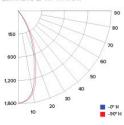
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	105	2.8′
6'	46.5	4.1′
8′	26.1	5.5′
10′	16.7	6.9'

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	671.4	79.3
0-40°	780.4	92.2
0-60°	830.6	98.1
0-90°	846.6	100

#### PHOTOMETRIC REPORT

Product #: E1AK61F30 Wattage / Lumens: 8.1W / 900 lm Luminaire LPW: 111 lm/W



#### CANDLE POWER SUMMARY

#### ILLUMINANCE AT A DISTANCE

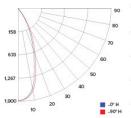
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	110	2.8′
6'	48.9	4.1′
8'	27.5	5.5′
10′	17.6	6.9'

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	706.7	79.3
0-40°	821.4	92.2
0-60°	874.4	98.1
0-90°	891.1	100

#### PHOTOMETRIC REPORT

Product #: E1AK61F35 Wattage / Lumens: 8.1W / 950 lm Luminaire LPW: 117.2 lm/W



#### CANDLE POWER SUMMARY

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

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	117	2.8′
6'	51.9	4.1′
8'	29.2	5.5′
10′	18.7	6.9'

#### ZONAL LUMEN SUMMARY

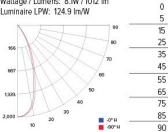
Lumens	%Luminaire
750.2	79.3
872.0	92.2
928.2	98.1
946.0	100
	750.2 872.0 928.2

# Photometric Report

## 1" Round Architectural Oak™ Trimless Downlight

#### PHOTOMETRIC REPORT

Product #: E1AK61F40 Wattage / Lumens: 8.1W / 1012 lm Luminaire LPW: 124.9 lm/W



# CANDLE POWER SUMMARY Degress Vertical 0°

0°

### ILLUMINANCE AT A DISTANCE

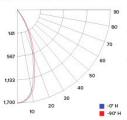
Dista	ince to Target Plane	Center Beam Footcandles	Beam Diameter
	4'	124	2.8′
	6'	54.9	4.1′
	8'	30.9	5.5'
	10'	19.8	6.9'

#### 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 #: E1AK61FSD Wattage / Lumens: 7.9W / 850 lm Luminaire LPW: 107.6 lm/W



#### CANDLE POWER SUMMARY

Degress Vertical

#### ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	104	2.8′
6'	46.3	4.1′
8'	26.0	5.5'
10'	16.7	6.9'

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire	
0-30°	668.6	79.3	
0-40°	777.2	92.2	
0-60°	827.3	98.1	
0-90°	843.2	100	
	0-30° 0-40° 0-60°	0-30° 668.6 0-40° 777.2 0-60° 827.3	0-30°         668.6         79.3           0-40°         777.2         92.2           0-60°         827.3         98.1