

# 4" New Construction IC Airtight Housing

4" New construction dedicated LED housing. Compatible with 4" LED inserts, LED modules or PSA37 with MR16 trims. Can include step-down transformer.



## Features

- IC Airtight for direct contact with insulation, for use in IC and non-IC applications
- Housing adjusts in frame to accommodate up to 1 1/2" ceiling thickness
- Optional: 277V to 120V step-down transformer (EL490ICA-7 only)
- Meets Title 24 requirements.
- EM5 version complies with CEC Title 20 and Title 24
- Trims and inserts sold separately
- Compatible with Koto Module, LED inserts and PSA37
- With Quick Connect Terminal

## Technical Details

### Construction:

- Single wall IC rated for direct contact with insulation, for use in IC or non-IC conditions.
- Housing adjusts in frame to accommodate up to 1 1/2" ceiling thickness.
- Airtight housing with gasket to restrict airflow in accordance with ASTM E-283 air-tight requirements.

**Installation:** Designed for ceiling plenums where 2x6 joists or taller joists are used. High strength hanger bars can easily be nailed to joists. Maximum hole cutout is 4 1/4". Suitable for T-grid and drop ceiling applications. See installation sheet for detailed information. (For trimless applications only: access above the ceiling is required for servicing the fixture after installation.)

**Junction Box:** Positioned to accommodate straight conduit runs. Seven 1/2" trade size conduit knockouts, four 3/4" knockouts with pry-out knockout slots. 4 Romex pigtails with strain relief.

**Hanger Bars:** Pre-installed hanger bars with TrueNail facilitate easy installation in regular lumber, engineered lumber, and laminated beams. Integral T-bar slots for easy installation in T-bars. Spans up to 24" and can be repositioned 90°. Score lines allow for tool-free hanger bar size reduction. Integral leveling flange allows for single-person installation while aligning the housings with the joists.

**Electrical:** Input Voltage: 120V AC. Inherently protected.

**Dimmability:** Dimmability based on lamp.

**Lamp:** Designed for use with ELCO 4" LED inserts, LED modules, or PSA37 with 4" MR16 trims.

**Listings:** cULus Listed for US and Canada. cUL Listed for Damp Location/Wet Location with select trims. cUL Listed for Feed Through. cUL Listed for Direct Contact with Insulation and Combustible Material. Airtight per ASTM E-283. JA8-2022-E Title 24 Compliant. EM5 version complies with CEC Title 20 and Title 24.

**Warranty:** ELCO Lighting warrants products will be free from defects in materials and workmanship for a period of 5 years.

## Specifications

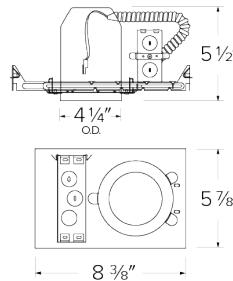
<b>Wattage</b>	18W MAXW
<b>Voltage</b>	120/277V or 277V
<b>Wet Location</b>	Listed with Shower Trims
<b>Damp Location</b>	Listed

## Options



**EL490ICA-EM5**  
Emergency Backup

## Dimensions



## Product Numbers

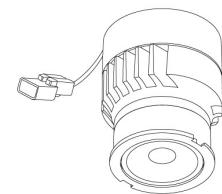
Item	Description	Watts	Voltage
<b>EL490ICA</b>		18W MAX	120/277V
<b>EL490ICA-7</b>	with 277V to 120V Step-Down Transformer	18W MAX	277V
<b>EL490ICA-EM5</b>	Emergency Battery Backup	18W MAX	120/277V

# Compatible Products



For use with Dedicated 4" IC LED Housings

## Koto™ LED Module



**Koto™ LED Module**  
ELK07, ELK09,  
ELK11, & ELK13



**Product Number**

ELK08CT5 825 lm  
ELK10CT5 1000 lm

### PRODUCT NUMBER BUILDER

Koto™ LED Module

ELK

Lumens

07 750 lm  
09 950 lm  
11 1150 lm  
13 1350 lm

Color Temperature

24 2400K<sup>1</sup>  
27 2700K  
30 3000K  
35 3500K  
40 4000K  
SD Sunset Dimming<sup>2,3</sup>  
HC Human Centric Dimming<sup>4,5</sup>

Beam Angle

(blank) 38° lens<sup>6</sup> (Standard)  
-S 18° lens  
-N 25° lens  
-W 60° lens  
-FC 18° - 50° Adjustable (ELK07 Only)

### ACCESSORIES

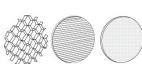


**Lens**

EP731C 18° Lens  
EP732C 25° Lens  
EP733C 38° Lens  
EP734C 60° Lens



**Reflectors**  
EP735C 15°  
EP736C 25°  
EP737C 38°  
EP738C 60°



**Secondary Optics**  
L45 Hex Louver  
L46 Linear Louver  
L47 Spread Louver

<sup>1</sup> Not compatible with ELK13

<sup>2</sup> Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

<sup>3</sup> Available with ELK11 lumen outputs only

<sup>4</sup> Human Centric, Dim to Warm technology, automatically transitions from 4000K to 2200K when dimmed

<sup>5</sup> 38° lens installed. Includes 25° and 60° lens with module.

<sup>6</sup> Available with ELK09 and ELK11 lumen outputs only

## 4" Pex™ Twist-&-Lock Trims



**Reflector**  
ELK4118  
Finishes:  
(W, BB, BZ, B, C, H)



**Adjustable Gimbal**  
ELK4129  
Finishes:  
(W, BB, BZ, B, C, H)



**Adjustable Pinhole**  
ELK4127  
Finishes:  
(B, BB, BZ)



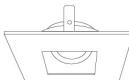
**Adjustable Baffle**  
ELK4193  
Finishes:  
(W, BB, B)



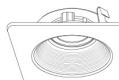
**Reflector**  
ELK4218  
Finishes:  
(W, BB, BZ, B, C, H)



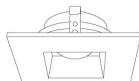
**Adjustable Gimbal**  
ELK4229  
Finishes:  
(W, BB, BZ, B, C, H)



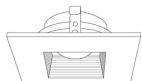
**Adjustable Pinhole**  
ELK4227  
Finishes:  
(B, BB, BZ)



**Adjustable Phenolic Baffle**  
ELK4293  
Finishes:  
(W, BB, B)



**Adjustable Reflector**  
ELK4282  
Finishes:  
(W)



**Adjustable Baffle**  
ELK4284  
Finishes:  
(W)

\*Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black Reflector w/White Ring,  
**C** - Chrome Reflector w/White Ring, **H** - Haze Reflector w/White Ring

# Compatible Products

For use with Dedicated **4"** IC LED Housings



## **4"** Flexa™ Twist-On Trims



**Round Reflector**

**ELK4721**

Finishes:

(WW, BB, BZBZ, BW, CC, CW,  
HW, CN)



**Round Baffle**

**ELK4723**

Finishes:

(WW, BB, BZBZ, BW)



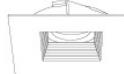
**Square Reflector**

**ELK4741**

Finishes:

(WW, BB, BZBZ, BW, HW)

*\*Not for Remodel Housing*



**Square Baffle**

**ELK4743**

Finishes:

(WW, BB, BZBZ, BW)

*\*Not for Remodel Housing*

\*Finishes: **W** - All White, **WW** - All White, **B** - Black, **BB** - All Black, **BZ** - All Bronze, **CC** - All Chrome, **BZBZ** - All Bronze, **BW** - Black Reflector w/White Ring, **CW** - Chrome Reflector w/White Ring, **CN** - Chrome Reflector w/Nickel Ring, **HW** - Haze Reflector w/White Ring

# Compatible Products

For use with Dedicated 4" IC LED Housings



## 4" LED Light Engines



Round Reflector

CAT NO.	SPECIFICATIONS
EL41527W	10W, 800 lm, 2700K
EL41530W	10W, 850 lm, 3000K
EL41535W, BZ	10W, 900 lm, 3500K
EL41540W	10W, 900 lm, 4000K
EL41550W	10W, 950 lm, 5000K
EL415CT5W, BB, BZ	12W, 850 lm, 2700K - 5000K



Round Baffle

CAT NO.	SPECIFICATIONS
EL41027W	10W, 800 lm, 2700K
EL41030W	10W, 850 lm, 3000K
EL41035W	10W, 900 lm, 3500K
EL41040W	10W, 900 lm, 4000K
EL410CT5W, BB	12W, 850 lm, 2700K - 5000K
EL41230W	14W, 1000 lm, 3000K
EL412CT5W	14W, 1000 lm, 2700K - 5000K



Round Reflector

CAT NO.	SPECIFICATIONS
EL41727C, H	14W, 1000 lm, 2700K
EL41730W, C	14W, 1000 lm, 3000K
EL41735C, H	14W, 1000 lm, 3500K
EL41740W, C, H	14W, 1000 lm, 4000K
EL417CT5W, H	14W, 1000 lm, 2700K - 5000K
EL427CT5W, BB	12.5W - 18W, 1000 - 1500 lm, 2700K - 5000K



Round Reflector

CAT NO.	SPECIFICATIONS
EL415SDW, BZ	10W, 700 lm, Sunset
EL410SDW, BZ	10W, 700 lm, Sunset



Square Reflector

CAT NO.	SPECIFICATIONS
EL442CT5W	11W, 850 lm, 2700K - 5000K
EL442CT3BB, BZ	11W, 750 lm, 2700K - 3500K



Square Baffle

CAT NO.	SPECIFICATIONS
EL44127W	10W, 750 lm, 2700K
EL441CT3BZ	10W, 750 lm, 2700K - 3500K
EL441CT5W	10W, 750 lm, 2700K - 5000K



Round Gimbal

CAT NO.	SPECIFICATIONS
EL41627W	9W, 620 lm, 2700K
EL416CT5W, B, BZ	9W, 650 lm, 2700K - 5000K



Square Gimbal

CAT NO.	SPECIFICATIONS
EL446CT5W, B, BZ	11W, 700 lm, 2700K - 5000K
EL446HLCT5W	12W, 1000 lm, 2700K - 5000K



Round Baffle Gimbal

CAT NO.	SPECIFICATIONS
EL41427W	10W, 625 lm, 2700K
EL41435W	10W, 675 lm, 3500K
EL414CT5W, B	12W, 650 lm, 2700K - 5000K



Round Pull Down Adjustable

CAT NO.	SPECIFICATIONS
EL49727W, B, BZ	12.6W, 840 lm, 2700K
EL49730W, B, BZ	12.6W, 840 lm, 3000K



Square Pull Down Adjustable

CAT NO.	SPECIFICATIONS
EL44727W, B, BZ	12.6W, 840 lm, 2700K
EL44730W, B, BZ	12.6W, 840 lm, 3000K



Round Pull Down Adjustable (2nd Generation)

CAT NO.	SPECIFICATIONS
EL49727W2, BZ2	11W, 950 lm, 2700K
EL49730W2, BZ2	11W, 950 lm, 3000K

\*Finishes: **W** - All White, **B** - All Black, **BZ** - All Bronze, **C** - Chrome w/White Ring, **H** - Haze w/White Ring

# Compatible Products

For use with Dedicated 4" IC LED Housings



## 4" Cedar™ LED Light Engines



Round Reflector

**E410R**

Finishes:

(W, BB, BZ, B, C, H, MW, MB)



Round Wall Wash Reflector

**E411R**

Finishes:

(W, BB, BZ, B, C, H, MW, MB)



Round Drop Glass

**E412R**

Finishes:

(W, BB, BZ, B, C, H, MW, MB)



Round Baffle

**E414R**

Finishes:

(W, BB, BZ, B)



Square on Square Baffle

**E415R**

Finishes:

(W, BZ)



Square on Square Reflector

**E417R**

Finishes:

(W, BZ, C, H)



Square on Round Reflector

**E420R**

Finishes:

(W, BB, BZ, C, H, MW, MB)



Square on Round Baffle

**E424R**

Finishes:

(W, BB, BZ, B)

### PRODUCT NUMBER BUILDER

4" LED Module & Driver	Style	Lumens	Color Temperature	Finish
E4				
10R	Round Reflector	08 850 lm (10.5W)	27 2700K	W All White
11R	Round Wall Wash Reflector		30 3000K	BB All Black
12R	Round Drop Glass		35 3500K	BZ All Bronze
14R	Round Baffle		40 4000K	B Black w/White Ring
15R	Sq. on Sq. Baffle		SD Sunset Dimming	C Chrome w/White Ring
17R	Sq. on Sq. Reflector			H Haze w/White Ring
20R	Sq. on Round Reflector			MW Matte White
24R	Sq. on Round Baffle			MB Matte Black

# Compatible Products

For use with Dedicated 4" IC LED Housings



## 4" Ply™ 120/277V LED Inserts



Round Insert with 5-CCT  
and 3-Lumen Switch

EL475CT5D

Finishes:  
(W, H, BB, HW)



Round Insert

EL49530D

Finishes:  
(W)

\*Finishes: **W** - All White, **BB** - All Black, **H** - All Haze, **HW** - Haze w/White Ring

\*Must be used with PLY™ Housings for 0-10V dimmability (EL490ICDXA, EL490RICDXA, EL492ICDXA, EL492RICDXA).  
With non-ply housing this is non-dimmable, 120-277V input only.

## 4" Ply™ 120/277V Adjustable LED Inserts



Round Adjustable Gimbal

EL414

Finishes:  
(DXW, DXB)



Round Adjustable Insert

EL497

Finishes:  
(DXW, DXB, DXBZ DXN)



Square Adjustable Insert

EL447

Finishes:  
(DXW, DXB, DXBZ DXN)

### ACCESSORIES



Interchangeable Lens  
(For EL497 & EL447 Series only)

EP710C 20° Beam  
EP712C 60° Beam

### PRODUCT NUMBER BUILDER

4" 120/277V Adjustable LED Inserts

Style

Color Temperature

Finish

EL4

14 Adjustable Gimbal

27D 2700K

DXW All White

97 Round Adjustable

30D 3000K

DXB All Black

47 Square Adjustable

DXBZ All Bronze

DXBN All Nickel

## 4" Accessories



Emergency Battery Backup



Fire Cover



Fire Enclosure



Mica Fire Tape

### CAT NO. SPECIFICATIONS

KEM-LD5 8W, 120/277V

### CAT NO. SPECIFICATIONS

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

### CAT NO. SPECIFICATIONS

FIREENCL 20 3/8" L x 14 3/8" W

FIREENCL-S Shallow,  
16" L x 14 3/8" W

### CAT NO. SPECIFICATIONS

FIRETAPE 3/4" W x 16' L