

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. ENERGY STAR® Certified
- Trims and inserts sold separately
- Compatible with Koto Module, LED inserts and PSA37

Specifications

| | |
|----------------------|--------------------------|
| Wattage | 18W MAXW |
| Voltage | 120/277V or 277V |
| Wet Location | Listed with Shower Trims |
| Damp Location | Listed |

Options



EL490ICA-EM5
Emergency Backup

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 pryouts 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.

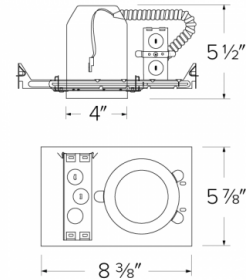
Dimmability: Dimmability based on lamp.

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.

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

Dimensions



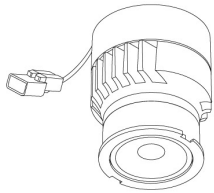
Product Numbers

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

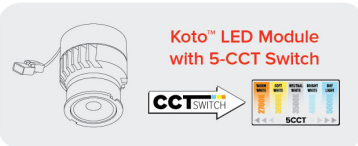
Compatible Products

For use with Dedicated 4" IC LED Housings

Koto™ LED Module



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



Koto™ LED Module with 5-CCT Switch



Product Number

| | |
|----------|---------|
| ELK08CT5 | 825 lm |
| ELK10CT5 | 1000 lm |

PRODUCT NUMBER BUILDER

| Koto™ LED Module | Lumens | Color Temperature | Beam Angle |
|------------------|---------|--|--|
| ELK | | | |
| 07 | 750 lm | 24 2400K ¹ | (blank) 38° lens ⁶ (Standard) |
| 09 | 950 lm | 27 2700K | -S 18° lens |
| 11 | 1150 lm | 30 3000K | -N 25° lens |
| 13 | 1350 lm | 35 3500K | -W 60° lens |
| | | 40 4000K | -FC 18° - 50° Adjustable (ELK07 Only) |
| | | SD Sunset Dimming ^{2,3} (For ELK09 & ELK11) | |
| | | HC Human Centric Dimming ^{4,5} (For ELK11) | |

ACCESSORIES



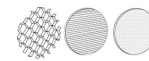
Lens

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

⁶EP732C, EP733C, EP734C Included

Reflectors

| | |
|--------|-----|
| EP735C | 15° |
| EP736C | 25° |
| EP737C | 38° |
| EP738C | 60° |



Secondary Optics

| | |
|-----|---------------|
| L45 | Hex Louver |
| L46 | Linear Louver |
| L47 | Spread Louver |

¹ Not compatible with ELK13

² Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

³ Available with ELK11 lumen outputs only

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

⁵ 38° lens installed. Includes 25° and 60° lens with module.

⁶ Available with ELK09 and ELK11 lumen outputs only

4" Pex™ Twist-&-Lock Trims



Reflector

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



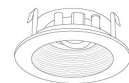
Adjustable Gimbal

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



Adjustable Pinhole

ELK4127
Finishes:
(B, BB, BZ)



Adjustable Baffle

ELK4193
Finishes:
(W, BB, B)



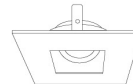
Reflector

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



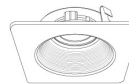
Adjustable Gimbal

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



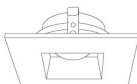
Adjustable Pinhole

ELK4227
Finishes:
(B, BB, BZ)



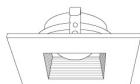
Adjustable Phenolic Baffle

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**)



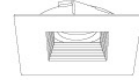
Square Reflector

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 |

DIMS TO WARM
SUNSET DIMMING TECHNOLOGY



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 |

HIGHLUMEN



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

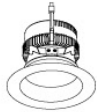
| 4" LED Module & Driver | Style | Lumens | Color Temperature | Finish |
|------------------------|---------------------------|--------------------------|--------------------------|------------------------------|
| E4 | | | | |
| 10R | Round Reflector | 08 850 lm (10.5W) | 27 2700K | W All White |
| 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 97 Round Adjustable 47 Square Adjustable | 27D 2700K 30D 3000K | DXW All White DXB All Black DXBZ All Bronze DXBN All Nickel |

4" Accessories



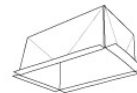
Emergency Battery Backup

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| KEM-LD5 | 8W, 120/277V |



Fire Cover

| CAT NO. | SPECIFICATIONS |
|---------|---------------------|
| FIRECVR | 9 3/4" H x 17" O.D. |



Fire Enclosure

| CAT NO. | SPECIFICATIONS |
|------------|-------------------------------|
| FIREENCL | 20 3/8" L x 14 3/8" W |
| FIREENCL-S | Shallow, 16" L x 14 3/8" W |



Mica Fire Tape

| CAT NO. | SPECIFICATIONS |
|----------|----------------|
| FIRETAPE | 3/4" W x 16' L |