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

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.

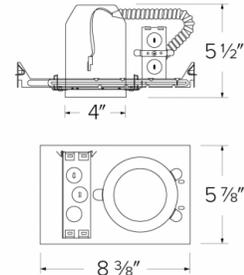**Electrical:** Input Voltage: 120V AC. Inherently protected.

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.

Specifications

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

Options

**EL490ICA-EM5
Emergency Backup**

Dimensions

5 ½"

4"

5 ⅞"

8 ⅜"

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

PRODUCT NUMBER BUILDER				ACCESSORIES	
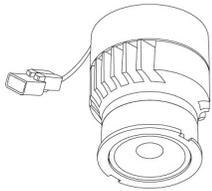
Koto™ LED Module
ELK07, ELK09,
ELK11, & ELK13

**Koto™ LED Module
with 5-CCT Switch**

CCT SWITCH → 5CCT

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

EP732C, EP733C, EP734C Included

Reflectors
EP735C	15°
EP736C	25°
EP737C	38°
EP738C	60°
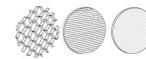
Secondary Optics
L45	Hex Louver
L46	Linear Louver
L47	Spread Louver

[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

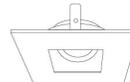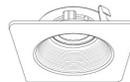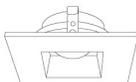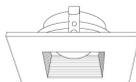| **Reflector** ELK4118 Finishes: (W, BB, BZ, B, C, H)	**Adjustable Gimbal** ELK4129 Finishes: (W, BB, BZ, B, C, H)	**Adjustable Pinhole** ELK4127 Finishes: (B, BB, BZ)	**Adjustable Baffle** ELK4193 Finishes: (W, BB, B)
Reflector ELK4218 Finishes: (W, BB, BZ, B, C, H)	**Adjustable Gimbal** ELK4229 Finishes: (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

ELCO Lighting

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
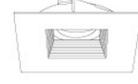
Square Baffle
ELK4743
Finishes:
(WW, BB, BZBZ, BW)
Not for Remodel Housing

*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 **CCT SWITCH**

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 **CCT SWITCH**
EL41230W	14W, 1000 lm, 3000K **HIGHLUMEN**
EL412CT5W	14W, 1000 lm, 2700K - 5000K **CCT SWITCH**

Round Reflector
HIGHLUMEN

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 **CCT SWITCH**
EL427CT5W, BB	12.5W - 18W, 1000 - 1500 lm, 2700K - 5000K **CCT SWITCH** **LUMEN Switch**

Round Reflector
DIMS TO WARM SUNSET DIMMING TECHNOLOGY

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 **CCT SWITCH**
EL442CT3BB, BZ	11W, 750 lm, 2700K - 3500K **CCT SWITCH**

Square Baffle

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

Round Gimbal

CAT NO.	SPECIFICATIONS
EL41627W	9W, 620 lm, 2700K
EL416CT5W, B, BZ	9W, 650 lm, 2700K - 5000K **CCT SWITCH**
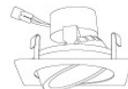
Square Gimbal

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

Round Baffle Gimbal

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

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

4" Ply™ 120/277V LED Inserts
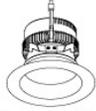
**Round Insert with 5-CCT
and 3-Lumen Switch**
EL475CT5D
Finishes:
(W, H, BB, HW)

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

ACCESSORIES

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)

Interchangeable Lens
(For EL497 & EL447 Series only)

| EP710C | 20º Beam |
| EP712C | 60º 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

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

Fire Cover

CAT NO.	SPECIFICATIONS
FIRECVR	9 ¾" H x 17" O.D.

Fire Enclosure

CAT NO.	SPECIFICATIONS
FIREENCL	20 ⅜" L x 14 ⅜" W
FIREENCL-S	Shallow, 16" L x 14 ⅜" W

Mica Fire Tape

CAT NO.	SPECIFICATIONS
FIRETAPE	¾" W x 16' L