

# 24V DC 4" New Construction IC Airtight Housing

24V DC 4" New construction dedicated LED housing. Compatible with 24V DC Koto Module & Koto Trims.



## Features

- Only for use with 24V DC Koto Module
- IC Airtight for direct contact with insulation, for use in IC and non-IC applications
- Simple installation with 24V Wire
- Housing adjusts in frame to accommodate up to 1 1/2" ceiling thickness
- Meets Title 24 requirements. ENERGY STAR® Certified
- Trims and module sold separately

## Specifications

|               |          |
|---------------|----------|
| Wattage       | 18W MAXW |
| Voltage       | 24V DC   |
| Damp Location | Listed   |

## Dimensions



## 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: 24V DC.
- Inherently protected.

**Lamp:** Designed for use with ELCO 24V DC Koto Module and trims.

### Listings:

- cULus Listed for US and Canada.
- cUL Listed for Damp Location.
- cUL Listed for 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.
- Install a JA8-2022-E lamp for Title 24 Compliance.

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

## Product Numbers

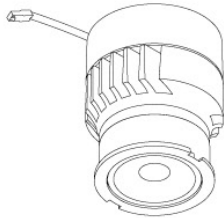
| Item       | Watts   | Voltage |
|------------|---------|---------|
| E24V490ICA | 18W MAX | 24V DC  |

# Compatible Products

For use with Dedicated 4" 24V DC ICA New Construction Housings



## Koto™ 24V DC LED Light Engine



24V DC Koto™ LED  
Light Engine

| PRODUCT NUMBER BUILDER    |           |                      |          |            |
|---------------------------|-----------|----------------------|----------|------------|
| Koto™ LED<br>Light Engine | Lumens    | Color<br>Temperature |          | Voltage    |
| ELK                       |           |                      |          |            |
|                           | 08 800 lm | 27 2700K             | 30 3000K | -24 24V DC |

*\*Standard module includes 38° installed with 25° & 60° field changeable lenses.*

### ACCESSORIES



#### Lens

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

*\*EP732C, EP733C, EP734C  
Included with standard module*



#### Snoot

L50W White  
L50B Black



#### Secondary Optics

L45 Hex Louver  
L46 Linear Lens  
L47 Spread Louver  
L49 Frosted Lens  
L51 Color Shifter  
L57 White Hex Louver  
L52 Blue Lens  
L53 Pink Shifter

## 4" Pex™ Round Twist-On Trims



Recommended to be  
used with Maximum  
Adjustability Housing



#### 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)



#### Slot Aperture

ELK4130

Finishes:

(W)



#### Rotatable Slot Aperture

ELK4120

Finishes:

(W)



#### Adj. Wall Wash

ELK4122

Finishes:

(W)

# Compatible Products

For use with 4" 24V DC ICA New Construction Housings



## 4" Pex™ Square Twist-On Trims



**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)



**Adj. Slot Rotatable Aperture**

**ELK4220**

Finishes:

(W)

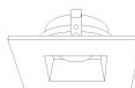


**Adjustable Wall Wash**

**ELK4222**

Finishes:

(W)

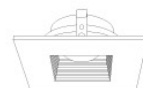


**Adjustable Reflector**

**ELK4282**

Finishes:

(W)



**Adjustable Baffle**

**ELK4284**

Finishes:

(W)

## 4" Flexa™ Twist-On Trims



**Round Reflector**

**ELK4721**

Finishes:

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

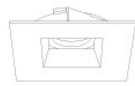


**Round Baffle**

**ELK4723**

Finishes:

(WW, BB, BZBZ, BW)



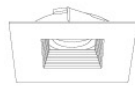
**Square Reflector**

**ELK4741**

Finishes:

(WW, BB, BZBZ, BW, HW)

*\*Not for Remodel Housing*



**Square Baffle**

**ELK4743**

Finishes:

(WW, BB, BZBZ, BW)

*\*Not for Remodel Housing*



**Adjustable Square Reflector**

**ELK4759**

Finishes:

(WW, BB, B, H)

# Compatible Products



For use with 4" 24V DC ICA New Construction Housings

## 4" Pex™ Trimless

Only for use with E24V485ICA & E24V490AJICA



**Round Spackle  
Frame Only**  
**EL4SFR**



**Round Smooth Reflector**  
**ELK408**  
Finishes:  
(W, B, BZ, H)



**Round Adjustable  
Reflector**  
**ELK415**  
Finishes:  
(W, B, BZ, H)



**Adjustable Reflector  
with Spackle Frame**  
**ELK430**  
Finishes:  
(W, B, BZ, H)



**Adjustable Baffle  
with Spackle Frame**  
**ELK434**  
Finishes:  
(W, B, BZ)



**Sq. Spackle Frame**  
**EL4SFS**



**Sq. Smooth Reflector**  
**ELK445**  
Finishes:  
(W, B, H)

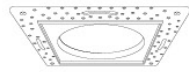


**Sq. Adjustable Reflector**  
**ELK459**  
Finishes:  
(W, B, H)

## 4" Flush Mount Trim Adaptors



**Round Flush Mount**  
**EL4FMR**  
For use with  
ELK41 & Unique™ Trims



**Square Flush Mount**  
**EL4FMS**  
For use with  
ELK42 Trims

# Compatible Products

For use with Dedicated 4" 24V DC ICA New Construction Housings



## 24V DC Transformers



Electronic Low Voltage  
Dimmable Driver

| CAT NO.    | SPECIFICATIONS  |
|------------|-----------------|
| DRVE24V60W | 60W, 120V Input |



Constant Voltage  
LED Driver

| CAT NO. | SPECIFICATIONS       |
|---------|----------------------|
| DRV60W  | 60W, 120/277V Input  |
| DRV100W | 100W, 120/277V Input |



0-10V  
Dimmable Driver

| CAT NO.   | SPECIFICATIONS      |
|-----------|---------------------|
| DRV30W-10 | 30W, 120/277V Input |
| DRV60W-10 | 60W, 120/277V Input |
| DRV96W-10 | 96W, 120/277V Input |



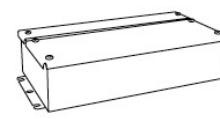
Lutron™ Hi-Lume 1%  
LED Driver

| CAT NO.   | SPECIFICATIONS                     |
|-----------|------------------------------------|
| DRVLT40W  | 40W, Triac, 120/277V               |
| DRVLT340W | 40W, Lutron Ecosystem,<br>120/277V |



Lutron™ Hi-Lume Premiere 0.1%  
Dimming LED Driver

| CAT NO.  | SPECIFICATIONS                           |
|----------|------------------------------------------|
| DRVL396W | 96W, Lutron Ecosystem,<br>120/277V Input |



Universal (Small)  
Dimming LED Driver

| CAT NO.     | SPECIFICATIONS                       |
|-------------|--------------------------------------|
| DRVU24V24WD | 24W, 24V DC (1A),<br>Triac/ELV/MLV   |
| DRVU24V60WD | 60W, 24V DC (2.5A),<br>Triac/ELV/MLV |



Universal (Medium)  
Dimming LED Driver

| CAT NO.      | SPECIFICATIONS                      |
|--------------|-------------------------------------|
| DRVU24V100WD | 100W, 24V DC (4A),<br>Triac/ELV/MLV |



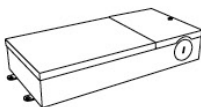
Universal (Large)  
Dimming LED Driver

| CAT NO.      | SPECIFICATIONS                      |
|--------------|-------------------------------------|
| DRVU24V200WD | 200W, 24V DC (8A),<br>Triac/ELV/MLV |



Universal (X-Large)  
Dimming LED Driver

| CAT NO.      | SPECIFICATIONS                       |
|--------------|--------------------------------------|
| DRVU24V300WD | 300W, 24V DC (12A),<br>Triac/ELV/MLV |



Electronic (Large)  
Dimming LED Driver

| CAT NO.     | SPECIFICATIONS            |
|-------------|---------------------------|
| DRVE24V48DW | 48W, 24V DC (2A), Triac   |
| DRVE24V60DW | 60W, 24V DC (2.5A), Triac |
| DRVE24V96DW | 96W, 24V DC (4A), Triac   |



Dimmer  
with Built-in Driver

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| DIMTP2  | 60W, 120V      |
| DIMTP3  | 100W, 120V     |