

# Poplar™ LED Module



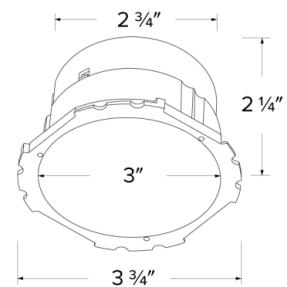
## Features

- Smooth lens provides even lighting illumination
- Works in 4" and 6" housing with twist-on trims
- Excellent color rendering 93+ CRI.
- UL listed for wet location
- Sunset option dims from 3000K to 1800K
- Title 24 JA8 2016-E Registered
- Life span of 50,000 hours L70

## Specifications

|                     |           |
|---------------------|-----------|
| <b>Wattage</b>      | 13.7W     |
| <b>Lumens</b>       | 1100 lm   |
| <b>Voltage</b>      | 120/277V  |
| <b>Color Temp.</b>  | 4000K     |
| <b>Dimmable</b>     | Triac/ELV |
| <b>Lamp Type</b>    | LED       |
| <b>CRI</b>          | 93+       |
| <b>Wet Location</b> | Listed    |

## Dimensions



## Technical Details

**Optics:** Frosted polycarbonate module lens diffuses light evenly throughout while reducing glare with LED technology.

**Construction:** Integrated driver and light engine with quick connect. Diecast aluminum body with heat fins allow for efficient cooling.

**Installation:** Twist-On design for toolless trim installation, for use with Poplar™ trims only. Can be use in 4" and 6" housings with quick connect base. Also compatible with E26, GU10, or GU24 base housings with PSA30, PSA31, or PSA35 socket adapters (sold separately). Available for use in IC and Non-IC housings.

**Electrical:** Module connects to 120/277V power supply. High efficiency driver with a power factor >0.9. Start time of less than 0.75 seconds.

**LED Technology:** Extremely accurate Color Rendering Index of 93+. Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results. Superior Thermal Management by utilizing integrated heat sink. Instant On to Full Brightness technology. No LED pixilation.

**Dimmability:** Works with 120V Triac and ELV type dimmers. Dims down to 10%. For full list of dimmers, refer to the Dimmer Compatibility List. Industry leading dimming that dims smoothly with no hot spots or flickering.

**Listings:** UL Listed for Wet Location. RoHS Compliant. ENERGY STAR® Certified. California Title 24 JA8-2016-E.

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

## Product Number

| Item    | Lamp type | Lumens  | CCT   | Watts | Voltage  | Dimming   |
|---------|-----------|---------|-------|-------|----------|-----------|
| ELP1140 | LED       | 1100 lm | 4000K | 13.7W | 120/277V | Triac/ELV |

# Product Number Builder

Example: **ELP0827**

Poplar™ LED Module

Lumens

Color Temp.

**ELP**

- 08** 850 lm
- 11** 1100 lm

- 27** 2700K
- 30** 3000K
- 35** 3500K
- 40** 4000K
- SD** Sunset

# Compatible Products



For use with Poplar™ LED Module

## 4" Poplar™ Dedicated LED ICA Housings



4" Recessed IC Airtight Housing  
**New Construction**

| CAT NO.      | SPECIFICATIONS       |
|--------------|----------------------|
| EL490ICA     | 14W, 120V            |
| EL490ICA-EM5 | 8W, Emergency Backup |



4" Recessed IC Airtight Housing  
**Remodel**

| CAT NO.   | SPECIFICATIONS |
|-----------|----------------|
| EL490RICA | 14W, 120V      |

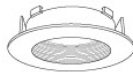
## 4" Flexa™ Twist-On Trims



**Round Reflector**

**ELL4621**

Finishes:  
(WW, BB, CC, BZBZ, CPCP,  
CW, CN, HW, BW)



**Round Baffle**

**ELL4623**

Finishes:  
(WW, BB, BZBZ, BW)

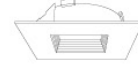


**Square Reflector**

**ELL4641**

Finishes:  
(WW, BB, BZBZ, BW, CW, HW)

*\*Not for Remodel Housing*



**Square Baffle**

**ELL4643**

Finishes:  
(WW, BB, BZBZ, BW)

*\*Not for Remodel Housing*

## 4" Unique™ Twist-On Trims



**Round Reflector**

**ELL4810**

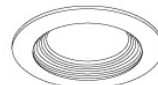
Finishes:  
(W, B, BZ)



**Lensed Steam Room**

**ELL4812**

Finishes:  
(W, BZ)



**Round Baffle**

**ELL4813**

Finishes:  
(W, BZ)



**Round Wall Wash**

**ELL4815**

Finishes:  
(W, B, BZ)



**Round Deep Reflector**

**ELL4817**

Finishes:  
(W, BZ)



**Round Deep Baffle**

**ELL4819**

Finishes:  
(W)

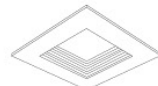


**Square Reflector**

**ELL4814**

Finishes:  
(W, B, BZ)

*\*Not for Remodel Housing*



**Square Baffle**

**ELL4816**

Finishes:  
(W, BZ)

*\*Not for Remodel Housing*

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



**Trimless Reflector**

**ELL430**

Finishes:  
(W, B, BZ)



**Trimless Baffle**

**ELL434**

Finishes:  
(W, B, BZ)



4" Maximum Adjustability  
IC Airtight Housing  
**New Construction**

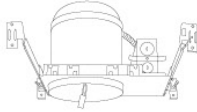
| CAT NO.  | SPECIFICATIONS           |
|----------|--------------------------|
| EL485ICA | 120V / Triac/ELV dimming |

# Compatible Products

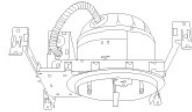


For use with Poplar™ LED Module

## 6" Poplar™ Dedicated LED ICA Housings



6" Recessed IC Airtight Housing  
**New Construction**



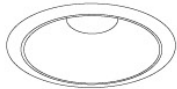
6" Recessed IC Airtight Housing  
**Shallow New Construction**



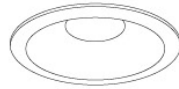
6" Recessed IC Airtight Housing  
**Remodel**

| CAT NO.  | SPECIFICATIONS | CAT NO.      | SPECIFICATIONS       | CAT NO.   | SPECIFICATIONS |
|----------|----------------|--------------|----------------------|-----------|----------------|
| EL770ICA | 24W, 120V      | EL760ICA     | Shallow              | EL770RICA | 24W, 120/277V  |
|          |                | EL760ICA-EM5 | 8W, Emergency Backup | EL760RICA | Shallow, 120V  |

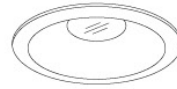
## 6" Twist-On Trims



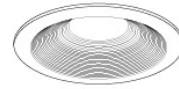
**Flexa™ Round Reflector**  
**ELL610**  
Finishes:  
(WW, BB, CC, BZBZ, CPCP,  
CW, CN, HW, BW)



**Unique™ Smooth Reflector**  
**ELL6810**  
Finishes:  
(W, B, BZ)



**Unique™ Lensed Steam Room**  
**ELL6812**  
Finishes:  
(W, BZ)



**Unique™ Baffle**  
**ELL6813**  
Finishes:  
(W, BZ)



**Unique™ Wall Wash**  
**ELL6815**  
Finishes:  
(W, B, BZ)

## Poplar™ Accessories



E26 Medium Base  
to LED Quick Connect  
**Socket Adapter**

| CAT NO. | SPECIFICATIONS    |
|---------|-------------------|
| PSA30   | For Poplar Module |



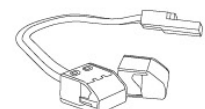
GU10  
to LED Quick Connect  
**Socket Adapter**

| CAT NO. | SPECIFICATIONS    |
|---------|-------------------|
| PSA31   | For Poplar Module |



GU24  
to LED Quick Connect  
**Socket Adapter**

| CAT NO. | SPECIFICATIONS    |
|---------|-------------------|
| PSA35   | For Poplar Module |



Hard Wire Adapter to male  
Quick Connect Terminal  
**Socket Adapter**

| CAT NO. | SPECIFICATIONS    |
|---------|-------------------|
| PSA38   | For Poplar Module |

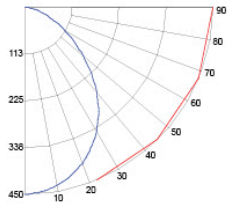
# Photometric Report

## Poplar™ LED Module (850 lm/11.8W)

Multiplier: 3000K (x1.04), 3500K (x1.08), 4000K (x1.12)

### PHOTOMETRIC REPORT

Product #: ELL0827  
 Luminaire Lumens: 865  
 Luminaire Efficacy: LPW: 80 lm/W



### ILLUMINANCE AT A DISTANCE

|       | Center Beam Footcandles | Beam Width<br>(Vertical Spread: 91.6°) | Beam Width<br>(Horizontal Spread: 91.5°) |
|-------|-------------------------|--|--|
| 1.7'  | 156 fc                  | 3.5'                                   | 3.5'                                     |
| 3.3'  | 41.3 fc                 | 6.8'                                   | 6.8'                                     |
| 5.0'  | 18.0 fc                 | 10.3'                                  | 10.3'                                    |
| 6.7'  | 10.0 fc                 | 13.8'                                  | 13.8'                                    |
| 8.3'  | 6.53 fc                 | 17.1'                                  | 17.0'                                    |
| 10.0' | 4.50 fc                 | 20.6'                                  | 20.5'                                    |

### ZONAL LUMEN SUMMARY

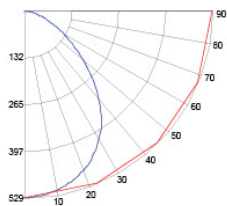
| Zone   | Lumens | %Luminaire |
|--------|--------|------------|
| 0-30   | 340.3  | 35.2%      |
| 0-40   | 539.3  | 55.9%      |
| 0-60   | 848.1  | 87.9%      |
| 60-90  | 117.0  | 12.1%      |
| 70-100 | 39.2   | 4.1%       |
| 90-120 | 0.1    | 0%         |
| 0-90   | 965.2  | 100%       |
| 90-180 | 0.2    | 0%         |
| 0-180  | 965.3  | 100%       |

## Poplar™ LED Module (1100 lm/13.7W)

Multiplier: 3000K (x1.04), 3500K (x1.08), 4000K (x1.12)

### PHOTOMETRIC REPORT

Product #: ELL1127  
 Luminaire Lumens: 1139  
 Luminaire Efficacy: LPW: 80 lm/W



### ILLUMINANCE AT A DISTANCE

|       | Center Beam Footcandles | Beam Width<br>(Vertical Spread: 92.0°) | Beam Width<br>(Horizontal Spread: 92.1°) |
|-------|-------------------------|--|--|
| 1.7'  | 182 fc                  | 3.5'                                   | 3.5'                                     |
| 3.3'  | 48.4 fc                 | 6.8'                                   | 6.8'                                     |
| 5.0'  | 21.1 fc                 | 10.3'                                  | 10.4'                                    |
| 6.7'  | 11.7 fc                 | 13.9'                                  | 13.9'                                    |
| 8.3'  | 7.65 fc                 | 17.2'                                  | 17.2'                                    |
| 10.0' | 5.27 fc                 | 20.7'                                  | 20.7'                                    |

### ZONAL LUMEN SUMMARY

| Zone   | Lumens | %Luminaire |
|--------|--------|------------|
| 0-30   | 402.0  | 35.3%      |
| 0-40   | 639.3  | 56.1%      |
| 0-60   | 1003.4 | 88.1%      |
| 60-90  | 135.4  | 11.9%      |
| 70-100 | 45.8   | 4%         |
| 90-120 | 0.0    | 0%         |
| 0-90   | 1138.7 | 100%       |
| 90-180 | 0.2    | 0%         |
| 0-180  | 1138.9 | 100%       |



# Dimmer Compatibility Chart for The Standard Poplar™ System

## ELCO Lighting

### For Reference Only

Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards. Consult the dimmer manufacturer prior to installation to ensure compatibility.

| Manufacturer | Product   | Part Number | Dimmed Light Output Range |
|--------------|---|-------------|---------------------------|
| Leviton      | SureSlide® Electro-Mechanical Incandescent Slide Dimmer, 600W, 120 VAC 60Hz, Single-Pole                            | 6631        | 8% - 100%                 |
|              | SureSlide® 600W, 120 VAC 60Hz, SureSlide Preset Electro-Mechanical Incandescent Slide Dimmer                        | 6633        | 9% - 100%                 |
|              | Trimatron Deluxe 3-Way Electro-Mechanical Incandescent Rotary Dimmer with Push ON/OFF                               | 6683-IW     | 9% - 100%                 |
|              | IllumaTech Preset Electro-Mechanical, 600W, 120VAC 60Hz, Single-Pole & 3-Way Incandescent Slide Dimmer, LED Locator | IPI06-1LZ   | 8% - 100%                 |
| Lutron       | Ariadni® 600W 3-Way Incandescent/Halogen Dimmer   | AY-603P     | 8% - 100%                 |
|              | Ariadni® C·L Single Pole/3-Way Dimmer. 150W Max for LED/CFL or 600W Incandescent/Halogen                            | AYCL-153P   | 5% - 100%                 |
|              | Ariadni® 600W Single Pole, Magnetic Low Voltage Dimmer  | AYLV-600P   | 7% - 100%                 |
|              | Skylark Contour® Single Pole/3-Way Incandescent/Halogen or Magnetic Low Voltage, Preset Dimmer                      | CT-103P     | 6% - 100%                 |
|              | Skylark Contour® C·L, Single Pole/3-Way Dimmer. 150W Max LED/CFL or 600W Incandescent/Halogen                       | CTCL-153P   | 5% - 100%                 |
|              | Diva® Series Single Pole Dimmer   | DV-600P     | 10% - 100%                |
|              | Diva® (gloss) 3-Way, Electronic Low Voltage Dimmer  | DVELV-303P  | 5% - 100%                 |
|              | Maestro® C·L Single Pole/3-Way/Multi-Location Dimmer. 150W Max for LED/CFL, or 600W Incandescent/Halogen            | MACL-153M   | 3% - 100%                 |
|              | Maestro® (Gloss) Single Pole/Multi-Location, Electronic Low Voltage Dimmer  | MAELV-600   | 6% - 100%                 |
|              | Skylark® Series 600W Single Pole  | S-600P      | 10% - 100%                |
|              | Skylark® C·L Single Pole/3-Way Dimmer. 150W Max for LED/CFL or 600W Incandescent/Halogen                            | SCL-153P    | 5% - 100%                 |
|              | Skylark® 300W, Single Pole, Electronic Low Voltage, Preset Dimmer   | SELV-300P   | 4% - 100%                 |

\*NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details

Disclaimer: Minimum and maximum loads for LEDs and CFLs are given in number of lamps and may vary depending on the lamp being used. Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards.