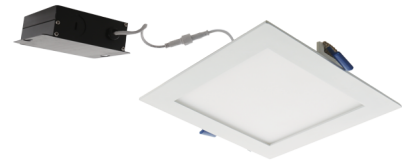


# 6" Ultra Slim LED Square Panel Light

This 6" ultra slim panel light designed for quick and easy installation without a housing for both new construction and remodel applications. This IC-rated fixture can be installed indoor or outdoor and delivers a smooth light output of 700 lumens, in 3000K or 4000K.



## Features

- IC Airtight for use with direct contact to insulation.
- Designed to fit in plenums as shallow as 2".
- Eliminates the need for housing.
- New Construction application requires mounting plate or frame.
- Remodel applications require no additional accessories.
- Wet Location allows for use indoors or outdoors.
- CA Title 24 and ENERGY STAR Compliant.
- Includes driver and Jbox.
- For EM Backup use KEM-ERT

## Specifications

|                     |                 |
|---------------------|-----------------|
| <b>Wattage</b>      | 12W             |
| <b>Lumens</b>       | 750 lm - 800 lm |
| <b>Voltage</b>      | 120V            |
| <b>Color Temp.</b>  | 3000K - 4000K   |
| <b>Dimmable</b>     | Triac/ELV       |
| <b>Lamp Type</b>    | LED             |
| <b>CRI</b>          | 90+             |
| <b>Wet Location</b> | Listed          |

## Options



White



Nickel



Bronze

## Technical Details

**Optics:** Polycarbonate lens diffuses light evenly throughout space with no LED pixelation.

**Construction:** IC rated driver and fixture are tested and approved for direct contact with insulation. Aluminum die-cast trim ring with durable powdercoat finish preventing rust and paint cracking. Plenum rated cable connector to connect from module to remote driver box. Isolated driver integrated inside aluminum remote box with two 7/8" knockouts with slots for pryout.

**Installation:** Designed for super shallow ceiling plenums without any housing. High strength steel spring clip for easy installation. Hole cut out template provided for accurate hole size for proper trim installation. Maximum hole size should not exceed 6 1/4" for this product. Suitable installation for T-grid and drop ceiling applications.

**Electrical:** Driver connects directly to 120V power supply. Standard input wattage is 12W, 58 lumens per watt. Replaces 70W incandescent.

**Dimmability:** Works with 120V Triac and ELV type dimmers. Dims down to 10%. For full list of dimmers, refer to the ELM System Dimmer Compatibility List.

**Listings:** ETL Listed for Wet Locations. Meets ENERGY STAR® requirements. IC-Rated for direct contact with insulation. Air Tight certified in accordance with ASTM E283-2004. California Title 24 compliant (JA8-2016-E)

**Warranty:** 5-year limited warranty.

## Dimensions



## Product Numbers

| Item              | Lamp type | Lumens | CCT   | Watts | Voltage | Dimming   | Finish     |
|-------------------|-----------|--------|-------|-------|---------|-----------|------------|
| <b>ERT66130W</b>  | LED       | 750 lm | 3000K | 12W   | 120V    | Triac/ELV | All White  |
| <b>ERT66130N</b>  | LED       | 750 lm | 3000K | 12W   | 120V    | Triac/ELV | Nickel     |
| <b>ERT66130BZ</b> | LED       | 750 lm | 3000K | 12W   | 120V    | Triac/ELV | All Bronze |
| <b>ERT66140W</b>  | LED       | 800 lm | 4000K | 12W   | 120V    | Triac/ELV | All White  |
| <b>ERT66140N</b>  | LED       | 800 lm | 4000K | 12W   | 120V    | Triac/ELV | Nickel     |
| <b>ERT66140BZ</b> | LED       | 800 lm | 4000K | 12W   | 120V    | Triac/ELV | All Bronze |

## Product Number Builder Example: ERT66130W

6" Square Slim Panel 700lm

Color Temp.

Finish

**ERT661**

**30** 3000K  
**40** 4000K

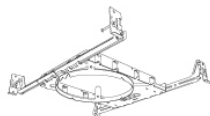
**W** All White  
**N** Nickel  
**BZ** All Bronze

# Compatible Products

For use with 6" Elm™ System Slim Panels

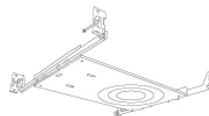


## 6" Elm™ New Construction Frames



Frame with Hanger Bars  
**New Construction**

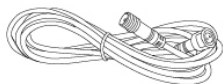
| CAT NO.    | SPECIFICATIONS               |
|------------|------------------------------|
| E6LF1 (6") | 9" L x 6 ¾" W x 6 ¼" Opening |



Universal Frame for 2", 4" and 6" Downlights  
**New Construction**

| CAT NO. | SPECIFICATIONS   |
|---------|------------------|
| E246LF1 | 12 ½" L x 7 ⅝" W |

## 6" Elm™ Accessories



Extension Cords

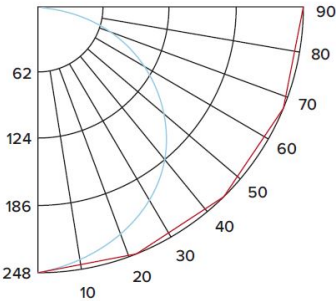
| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| ECNE10  | 10" Long       |
| ECNE11  | 10' Ft Long    |

# LED Square Panel Light

Multiplier: 4000K (x 1.04)

## PHOTOMETRIC REPORT

Product #: ERT66130W  
Wattage/Lumens: 11W/ 711 Lm  
Luminaire LPW: 65 Lm/W



## CANDLE POWER SUMMARY

| Degrees Vertical | 0°   |
|------------------|------|
| 0                | 248  |
| 5                | 247  |
| 15               | 240  |
| 25               | 225  |
| 35               | 201  |
| 45               | 170  |
| 55               | 134  |
| 65               | 95   |
| 75               | 54   |
| 85               | 17   |
| 90               | 3.31 |

## ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Footcandles Beam Center | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 15.5                    | 11.9'         |
| 6'                       | 6.88                    | 17.9'         |
| 8'                       | 3.87                    | 23.9'         |
| 10'                      | 2.48                    | 29.8'         |

## ZONAL LUMEN SUMMARY

| Zone  | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-30° | 192.19 | 27.00       |
| 0-40° | 314.70 | 44.30       |
| 0-60° | 556.20 | 78.20       |
| 0-90° | 710.65 | 100.00      |



**ELCO Lighting**

# Dimmer Compatibility Chart for The ELM™ System

## 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 | Number of Fixtures Per Dimmer* |     |     |     |
|--------------|--------------------------------------------------------------------------------------------|-------------|--------------------------------|-----|-----|-----|
|              |                                                                                            |             | Fixture Wattage                |     |     |     |
|              |                                                                                            |             | 9W                             | 12W | 15W | 33W |
| 120V Only    |                                                                                            |             |                                |     |     |     |
| Lutron       | DIVA® Series 600W Single Pole Dimmer                                                       | DV-600P     | 15                             | 11  | 9   | 4   |
|              | DIVA® Series 600W 3-Way Dimmer                                                             | DV-603P     | 15                             | 11  | 9   | 4   |
|              | Maestro® Series 150W Single Pole/3-Way/Multi-Location Dimmer                               | MACL-153M   | 15                             | 11  | 9   | 4   |
| Leviton      | Decora SureSlide® Single Pole Slide-To-Off with Optional Locator Light                     | 6631        | 15                             | 11  | 9   | 4   |
|              | Decora SureSlide® Single Pole/3-Way with Present ON/OFF switch with Optional Locator Light | 6633        | 15                             | 11  | 9   | 4   |
|              | Decora SureSlide® Universal Dimmer                                                         | 6674        | 15                             | 11  | 9   | 4   |

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

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