

2" Round Reflector Teak™ LED Light Engine

The Teak™ LED light engine is an IC Rated diecast construction specification grade 2" LED downlight. Boasting an output up to 1100 lumens - more than a traditional 75W MR16 halogen lamp. Style options, beam options and color finish options offer maximum flexibility in design. Drivers and housings are specified separately for maximum flexibility per your project's needs. The patented engine offers auto release clips that make installation a breeze.



Features

- Dimmable ELV, Triac or 0-10V depending on driver used.
- Same LED light engine for 850 and 1100 lumens (see housings)
- UL Listed for Direct Contact with insulation
- Works with compatible ceilings up to 1¼"
- Height allows for use in ceilings with under 5" depth. Ceiling thickness can be reduced from fixture depth.
- 38° Standard beam with optional 28° and 60°
- Wet Location Rated for Indoor and Outdoor Use
- JA8-2016-E, UL, and Energy Star Qualified
- Life Span 50,000 Hours L70
- U.S. Pat. 10,125,959

Specifications

| | |
|---------------------|---------------|
| Wattage | 10.5 - 12.5W |
| Lumens | 850 - 1100 lm |
| Color Temp. | 2700K |
| Lamp Type | LED |
| Beam Angle | 38° |
| CRI | 93+ |
| Wet Location | Listed |

Options



White



All Bronze



Black/White



Chrome/White



Haze/White



All Black



Chrome/Nickel

Technical Details

Optics: PC Lens for even lumen distribution. Standard 38° lens. Optional 28° (EP716C) and 60° (EP718C) available.

Construction: Diecast construction for lasting quality and greater heat dissipation. High quality powder coat finish prevents rust and paint cracking.

Installation: All Teak™ LED Light Engines feature a patented trigger release clip that will depress as the module is being inserted, holding the module in place. Hole cutout size: 2-5/8" (68 mm). Teak™ LED Light engines require driver. Can be utilized in new construction and remodel applications.

LED Technology: Extremely accurate color rendering with 93+ CRI. Efficacy of up to 104 lumens per watt. Lumen Maintenance of 50,000 hours L70 based on LM80. Superior Thermal Management by utilizing diecast aluminum body as heat sink.

Electrical: Requires driver. Driver and housing can be specified with voltage (120V or 120/277V) and dimming (ELV/Triac or 0-10V/Triac/ELV)

Compatible Housings/Delivered Lumens: Teak™ Light Engines are compatible with 120/277V 0-10V/Triac/ELV or 120V Triac/ELV Teak™ Housings.

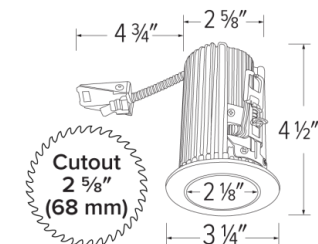
• E2LAJ08ICA, E2LAJ08ICAD, E2L08ICA, E2L08ICAD, E2L08RIC, E2L08RICD (10.5W, 120V)
Delivered Lumens: 2700K: 850 lm, 3000K: 850 lm, 3500K: 850 lm, 4000K: 850 lm, Sunset: 800 lm

• E2LAJ11ICA, E2LAJ11ICAD, E2L11ICA, E2L11ICAD, E2L11RIC, E2L11RICD (12.5W, 120/277V)
Delivered Lumens: 2700K: 1100 lm, 3000K: 1100 lm, 3500K: 1100 lm, 4000K: 1100 lm, Sunset: 1000 lm

Dimming: See Teak™ Housings and drivers for specific dimming information.

Listings: cUL Listed. UL Listed for WET Location. UL Listed for direct contact with insulation. Airtight per ASTM E-283. ENERGY STAR® Qualified. California Title 24 (JA8-2016-E).

Dimensions



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

Product Number Builder Example: E2L10F27W

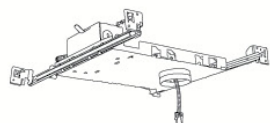
| Trim | Beam Angle | Color Temperature | Finish |
|------------------------------------|--|--|---|
| <input type="text" value="E2L10"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| | F 38° NF 28° WF 60° | 27 2700K 30 3000K 35 3500K 40 4000K SD Sunset | W All White BZ All Bronze B Black/White C Chrome/White H Haze/White BB All Black |

Compatible Products



For use with 2" Teak™ Light Engines

2" Teak™ New Construction IC Rated



2" IC Frame - Includes driver
New Construction

| SERIES | SPECIFICATIONS |
|--------|----------------|
| E2L | Up to 1100 lm |



Specialty R-60
2" IC Housing - Includes driver
New Construction

| SERIES | SPECIFICATIONS |
|--------|----------------|
| E2LAJ | Up to 1100 lm |

PRODUCT NUMBER BUILDER

| 2" Teak™ IC Rated | Style | Lumens | Dimming |
|-------------------|---|-------------------|--------------------------------------|
| E2L | (Blank) IC New Construction Frame | 08 850 lm | ICA 120 Triac/ELV |
| | AJ R60 IC New Construction Housing | 11 1100 lm | ICAD 120/277V 0-10V/Triac/ELV |

2" Teak™ New Construction IC Rated



2" IC Power Pack
Remodel

| SERIES | SPECIFICATIONS |
|--------|----------------|
| E2L | Up to 1100 lm |

PRODUCT NUMBER BUILDER

| 2" Teak™ IC Remodel Power Pack | Lumens | Dimming |
|--------------------------------|-------------------|--------------------------------------|
| E2L | 08 850 lm | RIC 120 Triac/ELV |
| | 11 1100 lm | RICD 120/277V 0-10V/Triac/ELV |

PLASTER FRAMES FOR REMODEL POWER PACKS



Plaster Frame
Single Cutout

| CAT NO. |
|---------|
| E2LF1 |



Plaster Frame
Multiple Cutout

| CAT NO. | SPECIFICATIONS |
|----------|----------------|
| E2LF1-M2 | 2 Set |
| E2LF1-M3 | 3 Set |
| E2LF1-M4 | 4 Set |
| E2LF1-M5 | 5 Set |

*For row mounting fixtures

Accessories for Light Engines & Frames



Optional Lens
(Field changeable optics)

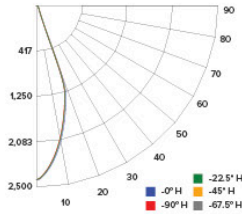
| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP716C | 28° |
| EP718C | 60° |

Photometric Report

Teak™ LED Light Engine with Power Pack

PHOTOMETRIC REPORT

Product #: E2L10F30 (with E2L11RIC)
 Wattage / Lumens: 12W / 1100 lm
 Luminaire LPW: 92 lm/W



CANDLE POWER SUMMARY

| Degree Vertical | 0° |
|-----------------|------|
| 0 | 2414 |
| 5 | 2342 |
| 15 | 1615 |
| 25 | 679 |
| 35 | 171 |
| 45 | 30 |
| 55 | 21 |
| 65 | 13 |
| 75 | 7 |
| 85 | 2 |
| 90 | 0 |

ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4' | 208 | 2.6' |
| 6' | 73.4 | 3.9' |
| 8' | 37.7 | 5.2' |
| 10' | 25.4 | 6.6' |

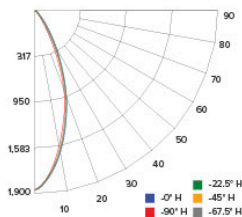
ZONAL LUMEN SUMMARY

| Zone | Lumens | %Luminaire |
|-------|---------|------------|
| 0-30° | 992.5 | 84.1 |
| 0-40° | 1,032.8 | 94.1 |
| 0-60° | 1,075.4 | 98 |
| 0-90° | 1,096.1 | 99.9 |

Teak™ LED Light Engine with Power Pack

PHOTOMETRIC REPORT

Product #: E2L10F30 (with E2L08RIC)
 Wattage / Lumens: 10.5W / 850 lm
 Luminaire LPW: 80 lm/W



CANDLE POWER SUMMARY

| Degree Vertical | 0° |
|-----------------|------|
| 0 | 1857 |
| 5 | 1802 |
| 15 | 1242 |
| 25 | 522 |
| 35 | 131 |
| 45 | 23 |
| 55 | 16 |
| 65 | 10 |
| 75 | 6 |
| 85 | 2 |
| 90 | 0 |

ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4' | 160 | 2.6' |
| 6' | 56.5 | 3.9' |
| 8' | 29.0 | 5.2' |
| 10' | 19.5 | 6.6' |

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Luminaire |
|-------|--------|------------|
| 0-30° | 709.6 | 84.1 |
| 0-40° | 794.5 | 94.1 |
| 0-60° | 827.2 | 98 |
| 0-90° | 843.1 | 99.9 |