

# 2" Round Pull-Down 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°
- Damp Location Rated
- JA8-2016-E, UL, and Energy Star Qualified
- Life Span 50,000 Hours L70
- U.S. Pat. 10,125,959

## Specifications

<b>Wattage</b>	10.5 - 12.5W
<b>Lumens</b>	850 - 1100 lm
<b>Color Temp.</b>	3000K
<b>Lamp Type</b>	LED
<b>Beam Angle</b>	38°
<b>CRI</b>	93+
<b>Damp Location</b>	Listed

## Options



All White

All Bronze

All Black

## 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.

**Adjustability:** 360° rotation with 80° gimbal adjustability.

**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

**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

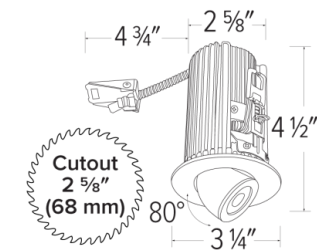
• E2LAJ11ICA, E2LAJ11ICAD, E2L11ICA, E2L11ICAD, E2L11RIC, E2L11RICD (12.5W, 120/277V)  
*Delivered Lumens:* 2700K: 1100 lm, 3000K: 1100 lm, 3500K: 1100 lm, 4000K: 1100 lm

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

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

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

## Dimensions



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# Product Number Builder

Example: **E2L97F27W**

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Round Pull-Down	Beam Angle	Color Temperature	Finish
<b>E2L97</b>	<b>F</b> 38° <b>NF</b> 28° <b>WF</b> 60°	<b>27</b> 2700K <b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K	<b>W</b> All White <b>BZ</b> All Bronze <b>B</b> 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
<b>E2L</b>	(Blank) IC New Construction Frame	<b>08</b> 850 lm	<b>ICA</b> 120 Triac/ELV
	<b>AJ</b> R60 IC New Construction Housing	<b>11</b> 1100 lm	<b>ICAD</b> 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
<b>E2L</b>	<b>08</b> 850 lm	<b>RIC</b> 120 Triac/ELV
	<b>11</b> 1100 lm	<b>RICD</b> 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)

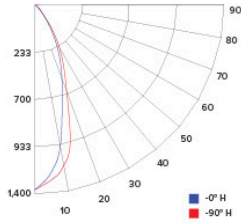
CAT NO.	SPECIFICATIONS
EP716C	28°
EP718C	60°

# Photometric Report

## Teak™ LED Light Engine with Power Pack

### PHOTOMETRIC REPORT

Product #: E2L97F30 (with E2L08RIC)  
 Wattage / Lumens: 9.69W / 771.3 lm  
 Luminaire LPW: 79.5 lm/W



### CANDLE POWER SUMMARY

Degress Vertical	0°
0	1335
5	1194
15	711
25	302
35	123
45	62
55	29
65	16
75	8
85	1
90	0

### ILLUMINANCE AT A DISTANCE

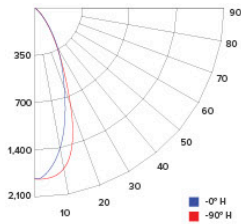
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	115.2	2.6'
6'	40.6	3.9'
8'	20.9	5.3'
10'	14.0	6.6'

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	532.5	69.1
0-40°	634.4	82.3
0-60°	728.9	94.5
0-90°	762.9	99

### PHOTOMETRIC REPORT

Product #: E2L97NF30 (with E2L08RIC)  
 Wattage / Lumens: 9.69W / 902.6 lm  
 Luminaire LPW: 93 lm/W



### CANDLE POWER SUMMARY

Degress Vertical	0°
0	2006
5	1831
15	880
25	331
35	130
45	60
55	31
65	20
75	11
85	5
90	4

### ILLUMINANCE AT A DISTANCE

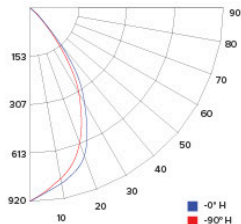
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	173.2	2.2'
6'	61.0	3.2'
8'	31.3	4.3'
10'	21.0	5.4'

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	633.7	70.2
0-40°	734.9	81.5
0-60°	827.4	91.7
0-90°	874.2	96.9

### PHOTOMETRIC REPORT

Product #: E2L97WF30 (with E2L08RIC)  
 Wattage / Lumens: 9.69W / 876.4 lm  
 Luminaire LPW: 90.4 lm/W



### CANDLE POWER SUMMARY

Degress Vertical	0°
0	908
5	891
15	777
25	526
35	258
45	91
55	23
65	11
75	5
85	1
90	0

### ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	78.6	4.3'
6'	27.6	6.4'
8'	14.2	8.6'
10'	9.5	10.7'

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	554.2	63.2
0-40°	730.3	83.3
0-60°	844.1	96.3
0-90°	867.6	99