

4" DOWNLIGHT 12W

TITANIUM LED CRI^{SP} SERIES 3.0



CRI^{SP}



HIGH CRI



LED TECHNOLOGY

12W REPLACES



50W Inc.

80% Energy Savings

Can be used for
T24 2013
California Title 24
High Efficacy
Compliant

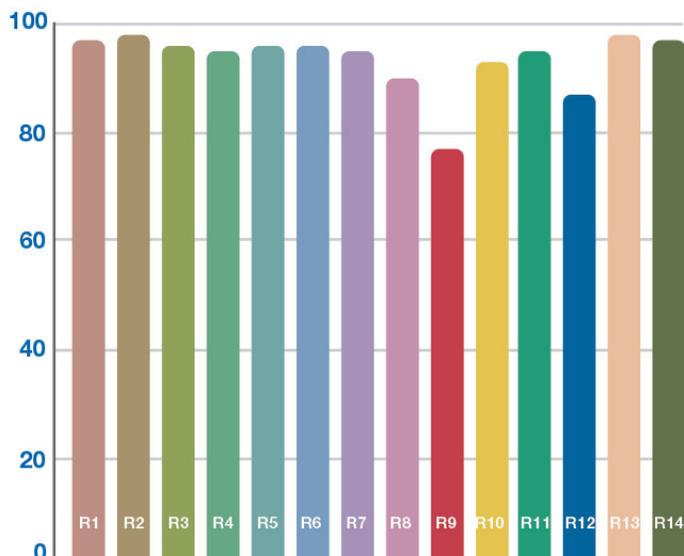
\$149 Savings per lamp*

- Meets CEC's California Quality Spec
- Exceptional color rendering CRI 92
- Richer reds and natural skin tones (R9 60, R13 98)
- Tight LED binning for consistent CCT across all lamps
- Comfortable diffused light
- Smooth dimming with existing dimmers



COLOR RENDERING INDEX & CALIFORNIA QUALITY SPEC

CRI Values R1 - R14



The CRI^{SP} SERIES 4" DOWNLIGHT 12W fixture features the latest in color rendering LED technology. With a typical CRI 92, R9 60, and R13 98, this high-performance downlight provides crisp and vibrant colors across the whole spectrum.

CRI is calculated by taking the average value from colors R1-R8. So while some LEDs may claim to have a high CRI, they may do a poor job portraying other key colors like R9 (reds) and R13 (skin tones).

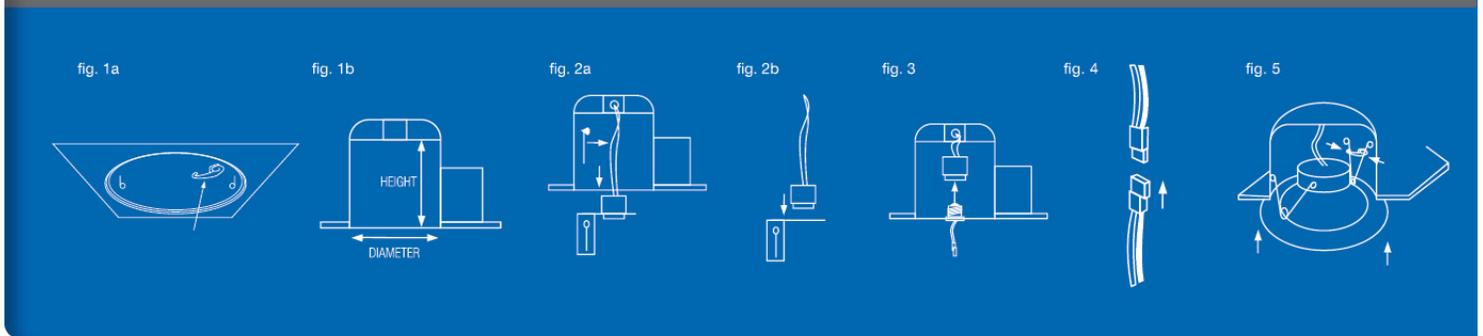
The CRI^{SP} SERIES 4" DOWNLIGHT's exceptional R9-R14 values (R9 60, R13 98) provide redder reds, natural looking skin tones, and whiter whites. This fixture is not only ENERGY STAR qualified but also meets the more stringent California Quality Specification set forth by the California Energy Commission (CEC).

In addition to requiring a CRI of 90 or above, the California Quality Spec demands color temperatures fall within a 4-step Macadam ellipse to ensure minimal color deviation across lamps.

More CEC information available at www.gc-lighting.com

Lighting facts Per Bulb, **Brightness** 550 lumens
Estimated Yearly Energy Cost \$1.45
 (Based on 3 hrs/day, 11 c/kWh. Cost depends on rates and use)
Life 32 years (Based on 3 hrs/day), **Energy Used** 12 watts
Light Appearance 2700K

EASY INSTALLATION



INCANDESCENT HOUSING INSTALLATION

- Step 1. Make sure the **POWER IS TURNED OFF** at the source to the recessed housing inside which you are installing the product. Once power has been turned off, remove existing trim and bulb.
- Step 2. Unscrew the lamp socket mounting bracket inside the recessed housing (fig. 2a). Unclip the lamp socket from the bracket and remove the bracket (fig. 2b). Some housing lamp sockets might not be installed on a bracket but directly fixed on housing. In this case ignore step 2 and proceed to step 3.
- Step 3. Screw Edison base adaptor into the socket (fig. 3).
- Step 4. Connect the female connector of the retrofit kit to the male connector of the socket adaptor (fig. 4).
- Step 5. Guide fixture into the housing making sure all 3 springs are inside the housing (fig. 5). Carefully tuck all the wire inside the can and gently push retrofit kit up flush to ceiling surface.

LED HOUSING INSTALLATION

- Step 1. Connect the female connector of the retrofit kit to the male connector of the LED housing (fig. 4) and then proceed to step 5 on the left.

HOUSING COMPATIBILITY

Compatible with most standard 4" insulated and non-insulated housings where diameter should be 3.89" to 4.33" and Height Min. 5.52" (fig. 1). Not all existing housing meeting these requirements will be compatible, a test installation should always be performed.

SPECIFICATIONS**

Product Model	40712 12DL4G3DIM/927
Type	4" downlight
Base	E26 (GU24 optional***)
Power (W)	12
Voltage - Frequency	120V 60Hz
Color Temp. (ANSI)	Warm White 2700K
CRI (Ra) (typ.)	92
R9 / R13 (typ.)	60 / 98
Typical lumens (lm)	600
Efficacy (LPW)	50
Dimmable	Yes****
Housing compatibility	Most 4" housing
Power Factor	0.9
Rated Lifetime - L70 (hrs.)	35,000
Dia. x MOL	5" x 3.39" (127x86mm)
Weight (lb. / g)	0.65lb / 296g

* Savings per lamp based on \$0.11 / kw energy cost, 12 hrs / day lamp usage, \$4 incandescent with 1000 hr lifetime, \$30 LED with 35,000 hr lifetime

** Specification data is preliminary and may be subject to change

*** GU24 connector can be ordered separately. Ref. 09-GU24

**** List of tested dimmer switches available on website

***** Suitable for damp locations. Not for use where directly exposed to weather or water