



## Capic LED Retrofit Downlight/4inch



### Description



**LM80**

The Capic 4inch LED downlight is 120V AC triac dimmable, delivering up to 650lm@3000K, 72lm per watt. Using just one-fifth of the energy used by comparable incandescent lamps. Capic 4inch downlight is a replacement of most 4inch recessed downlights, using up to a 65 watt incandescent bulb and 18W CFL, in existing IC or non-IC housings. With a wet location rating and commercial ENERGY STAR qualification, this product is ideal for use in many residential and light commercial applications with E26 and GU24 base

### Specifications

#### LEDChip

The product light source is LM80 approved, high efficient and low thermal resistance. This product enables color management to preserve high color consistency over the life of the product, with a CRI of at least 80 and SDCM  $\leq 5$  while maintaining high luminous efficacy

#### Construction & Materials

1. For thermal management system we choose durable upper housing to protect LEDs, driver, fast conduct the heat and transmit to outside. LED case temperature and junction temperature stay below specified maximum even when installed in insulated ceilings.
2. Suitable for insulated and non-insulated ceilings.
3. PC diffuser produce even and soft light beam.



## Optical System

- 1.Unique combination of reflective and refractive optical components achieves a uniform , comfortable appearance while elimination pixelation and color fringing. This ensures smooth light patterns are projected with no hot spots and minimal striations.
- 2.Diffusing lens shields direct view of LEDs while lower reflector balances brightness of lens with the ceiling to create a low-glare high angle appearance, the glare cut is over 30degree.

## Electrical System

Integral, high-efficiency driver
Power Factor > 0.9
Input Voltage:120V AC
Dimming : Dimmable to 5% depending on dimmers

## Order Information

For example:CPR4-009-AL-27K

Series	Catagory	Size	Wattage	Voltage	CCT
CP	R=residential	4=4inch	009=9W	AL=120V dimming	27K=2700K
					30K=3000K
					40K=4000K
					50K=5000K

## Performance Summary

THD:<20%	Efficacy: 73LPW
PF:>0.9	Delivered Light Output: 650Lumens@3000K
Dimming : dimmable to 5%	CCT Options: 2700K 3000K 4000K 5000K
Energy Saving : 86% ( Comparable of 65W incandescent bulb )	Rated Power:13Watts
Standard Warranty: 5 Years	CRI:Ra>80
Standard Lifetime: Designed minimum 35,000 hours	Input Voltage: 120 VAC
Mounting: Recessed	Input current:

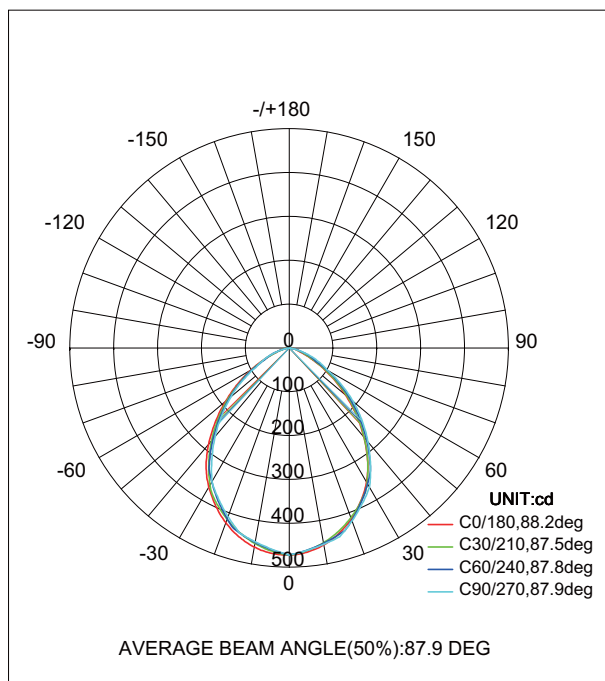
## Certificate

cULus Listed
LM80
Suitable for damp locations

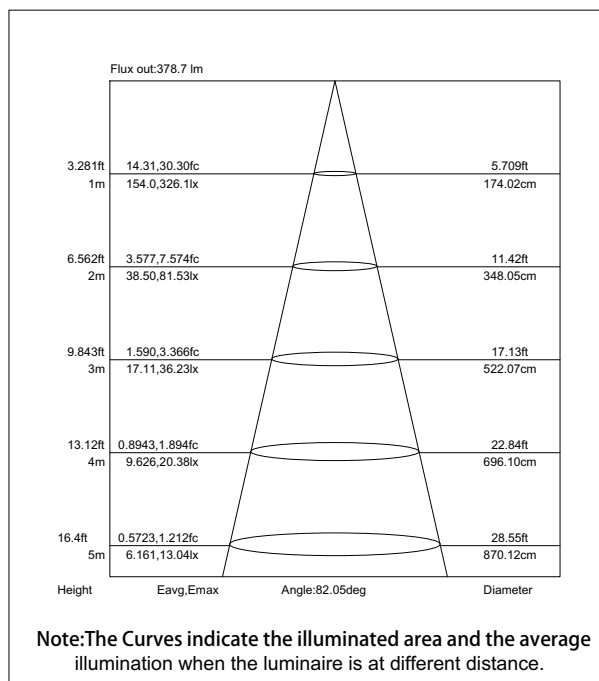


## Test Report

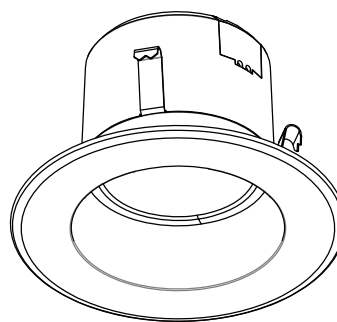
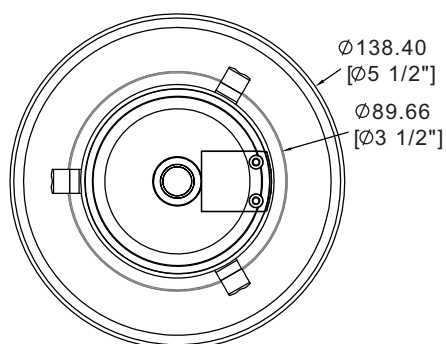
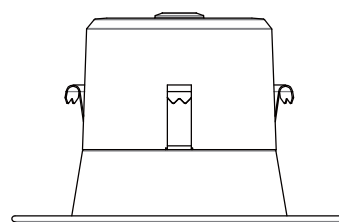
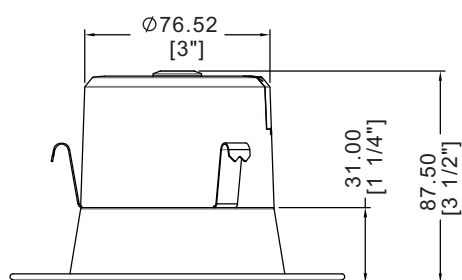
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AAI FIGURE



## Dimensions (Unit: mm)





## Installation into Housings

FIG.1:Install the adapter

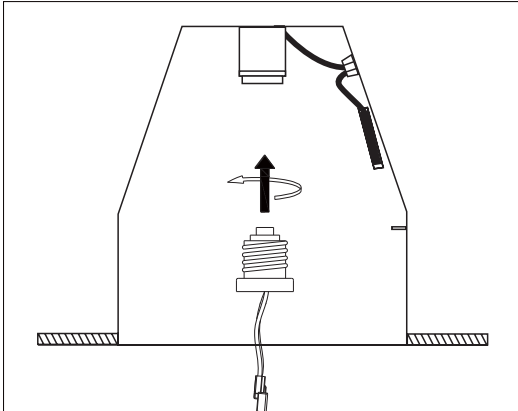


FIG.2:Connect the terminals

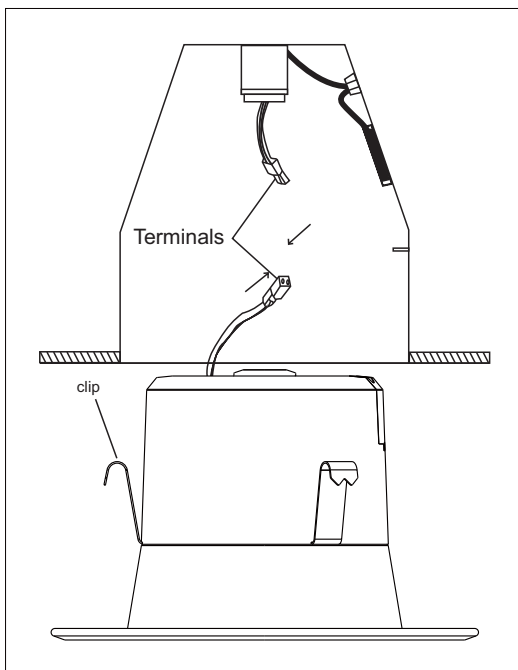
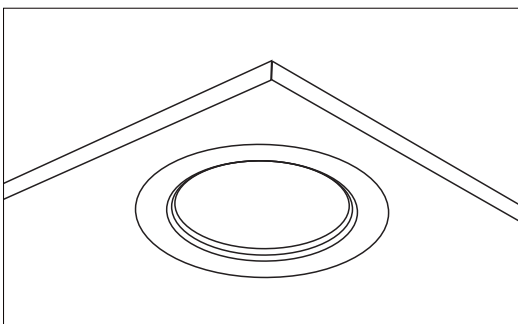


FIG.3:Insert the LED retrofit kit into The recessed housing unit.



- 1.Thread the socket adapter into the socket.(FIG.1)
- 2.Plug the female connector of the retrofit trim onto the male connector of the socket adapter assembly. (FIG.2)  
If existent housing with holdbase can not compatible, need to relocate.Connect wire black to L,White to N.
- 3.Tuck all wires into the can and carefully push the retrofit trim into can (note:to provide enough room in shallow cans carefully position socket adapter and socket adjacent to the long side of the LED driver. prior to inserting the retrofit trim into the can.(FIG.3)
4. Remove thermal protector used in the listed recessed luminaire if need.(Also applicable to LED housing with connector)

## REPLACING LED LUMINAIRES:

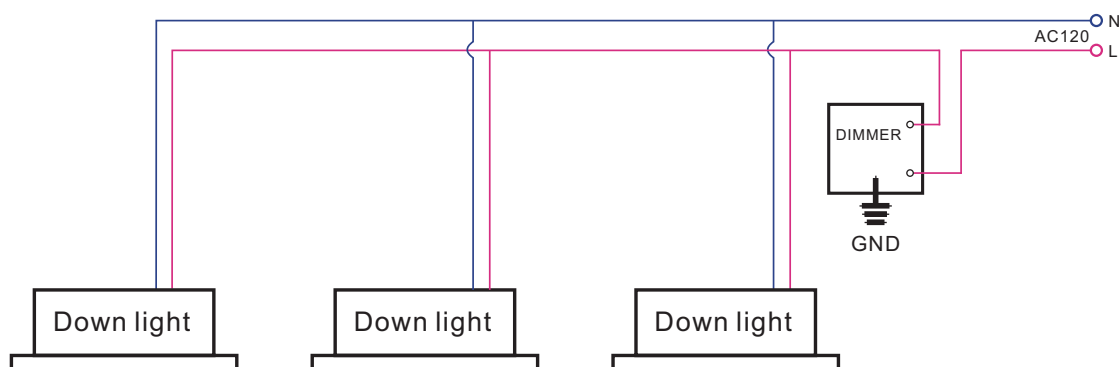
- With fingertips,pull down firmly on trim ring until module stops.
- Take out the LED module directly ,and push the retrofit luminaire into can.
- Disconnect LED module wiring from recessed can (LED Connector or screw in Edison base).

## DIMMING:

The LED luminaire can be dimmed with many standard incandescent dimmers,however an electronic low voltage version of a standard dimmer low voltage version of a standard dimmer(with neutral connection) is recommended for many applications.Updates in dimmer technology on the dimmer type being used.To be assured of the latest information regarding luminaire and dimmer compatibility,please contact dimmer manufacturer.



## Electrical Connection:



## Packing information:

LED Luminaire(with LED Driver)

18# Black/White connecting wire with E26 lamp holder/GU24/connecting wire without base(for L/N input).

Net weight: 0.23kg, gross weight:0.41kg

Packing box dimension: 196\*160\*110mm

Outer carton dimension: 665\*350\*410mm (24 pcs/carton)

Total gross weight:10.5kg

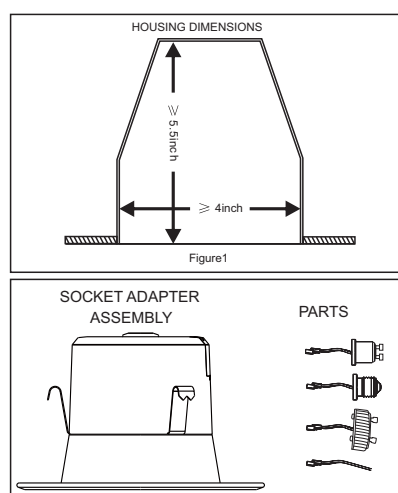
## Warranty:

We offer 5 years limited warranty.As with any electrical installation,a qualified electrician must ensure compatibility of use with a particular housing;this includes all applicable national and local electrical and building codes.Installer is responsible to securely retain the LED Module in a housing at time of installation.

## INSTALLATION INSTRUCTIONS

### RECESSED HOUSING AND DIMMER COMPATIBILITY

- LED Retrofit Luminaire is designed to install in standard 4" recessed downlight housing.
- Recommended dimmer such as Lutron and Leviton.
- Compatibility of housing not on this list maybe determined by measurement of the housing as detailed in the attached drawing(Figure 1)





## **WARNING**

- “WARNING - Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.” or equivalent in Format S24-L5.
- “WARNING - Risk of fire or electric shock. Install this kit only in luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.” or equivalent in Format S24-L5.
- “Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.” Verbatim in Format S24-L5.
- “WARNING - To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.” or equivalent in Format S24-L5.
- “This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved” or equivalent in Format S24-L4.