



Up-shine[®] Lighting



Technical Application
Guide for UP-SHINE
LED Downlight
UP-DL101-4&6-15W-D

Introduction



DL101 is a led down light with graceful and compact design. It adopts ADC12 aluminum housing with excellent heat dissipation and 5VA fire-rated PC cover with excellent working performance. This lamp adopts high efficiency SMD2835 LED chip to provide soft and uniform lighting. Easy to install with or without spring clips, acting as 4/6inch recessed retrofit or surface mounted ceiling light.

Features

1. Can fit for 4 / 6 inch housing.
2. Recessed and surface mounted installation way available.
3. Aluminum fixture with excellent heat dissipation.
4. Fire-rated PC lens. Uniform lighting distribution.
5. Traic dimming, comply with most of dimmers in the market.

Application notes

- Damp location
- The lamp must be installed by professional electrician
- Ensure the power supply is switched off before fitting this product
- Do not touch the lamp when in use
- Keep away from hot steam and corrosive gas

Application Areas

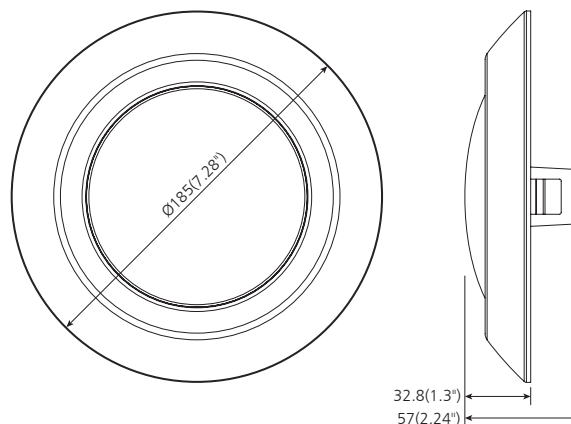
It is designed for general lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc.

Certificate

RoHS



Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
UP-DL101-4&6-15W-D	AC120V	15W	≥0.85	1100	110°	3000K	50000h	≥80	Yes	Ø185*57mm (7.28"*2.24")
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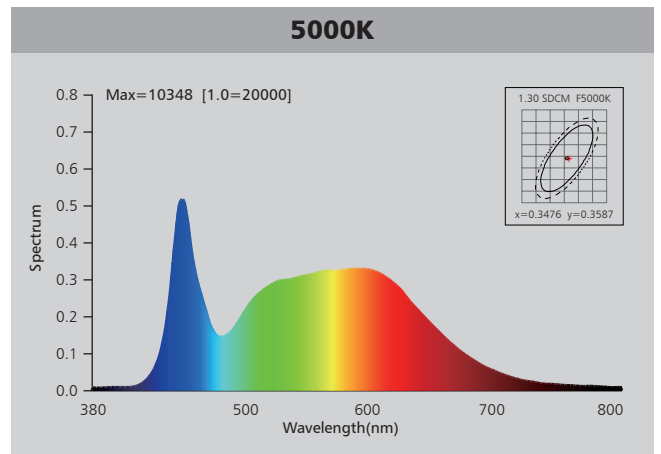
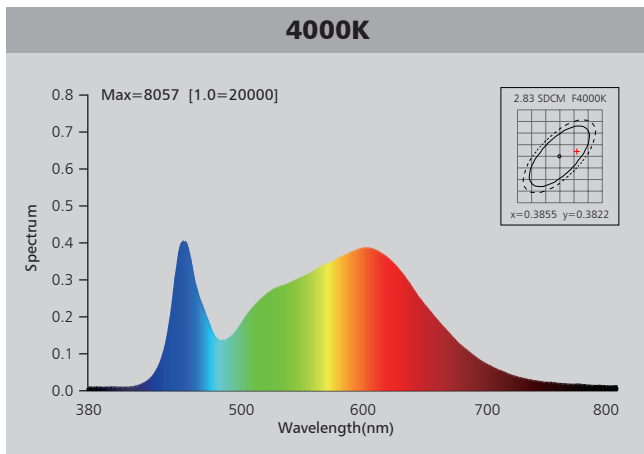
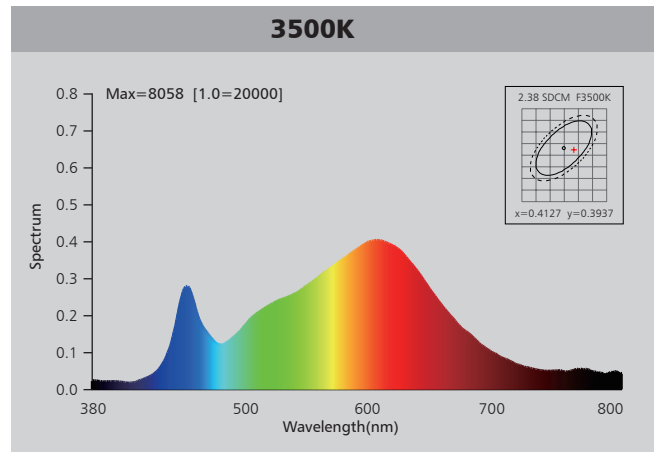
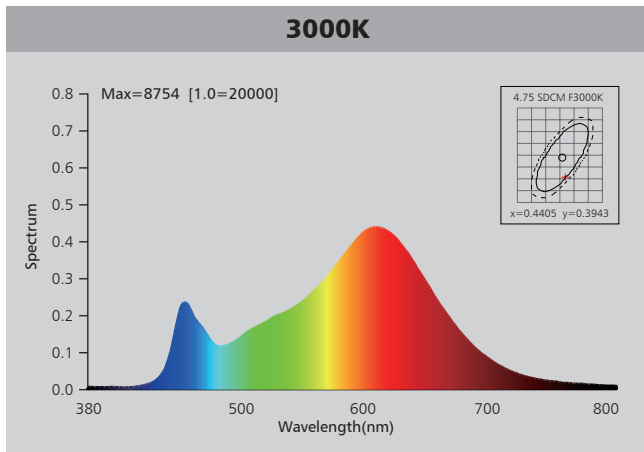
Driver data Sheet

Driver data	Dim
Input rated Voltage	AC120V
Frequency	60Hz
Input Voltage	AC100-140V
Efficiency	≥70%
Total load Wattage	15W±1W
Power Factor	≥0.85
Rated input current	≤0.15A
Full load output Voltage	DC120-140V
Rated output current	90mA
Output current range	90mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Dimming range	8%-100%
Dimmer	Triac dimmers
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
THD	—
Withstand voltage	—

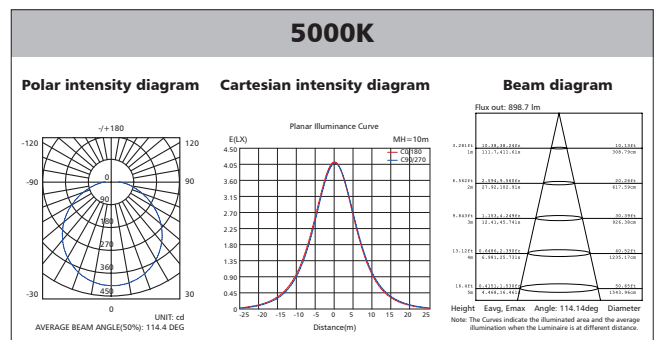
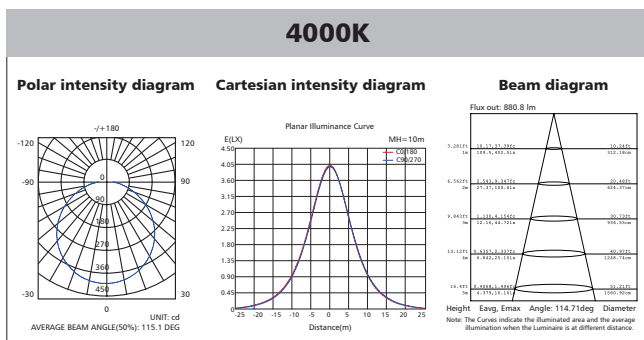
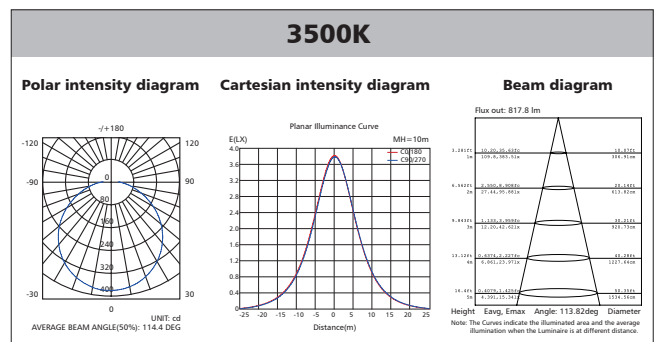
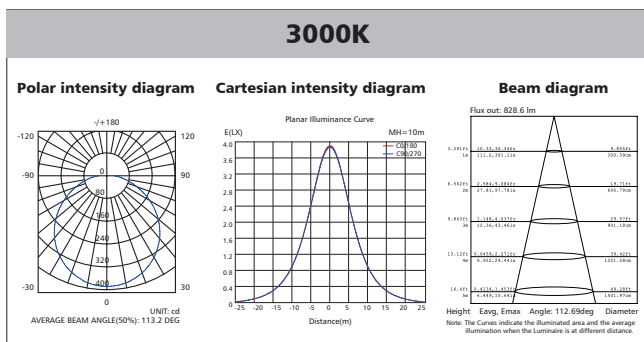
Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
15W	Ground connection	Damp location	-20°C~45°C	0~90%	-20°C~65°C

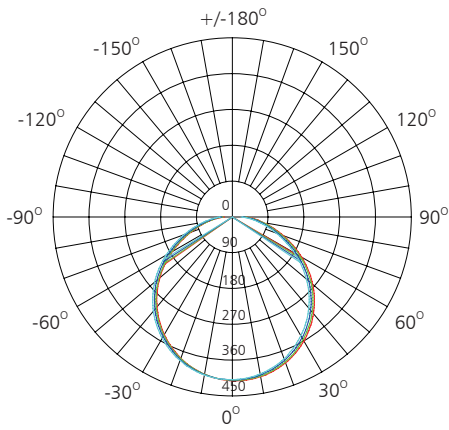
Spectral Distribution



Photometric Diagram



Polar Diagram Comparison



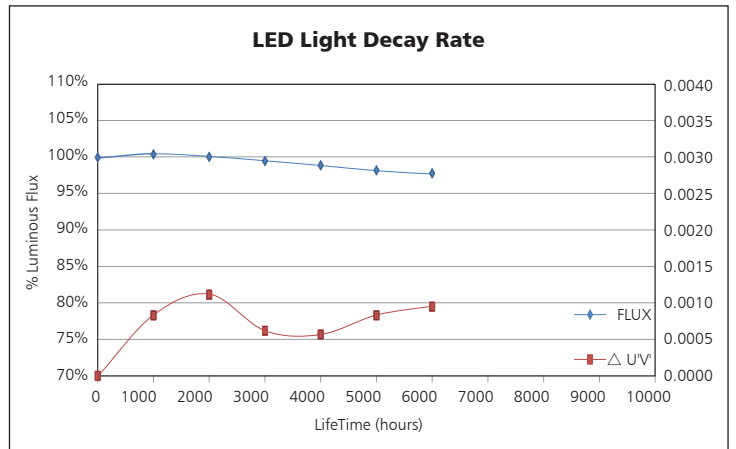
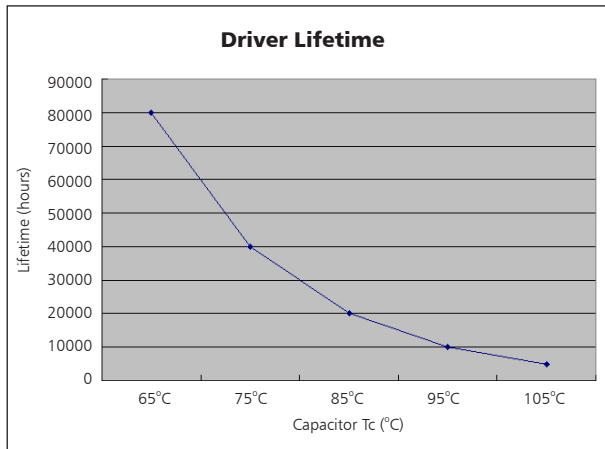
UNIT: cd

- C0/180, 114.5 deg
- C30/210, 114.4 deg
- C60/240, 114.4 deg
- C90/270, 114.4 deg



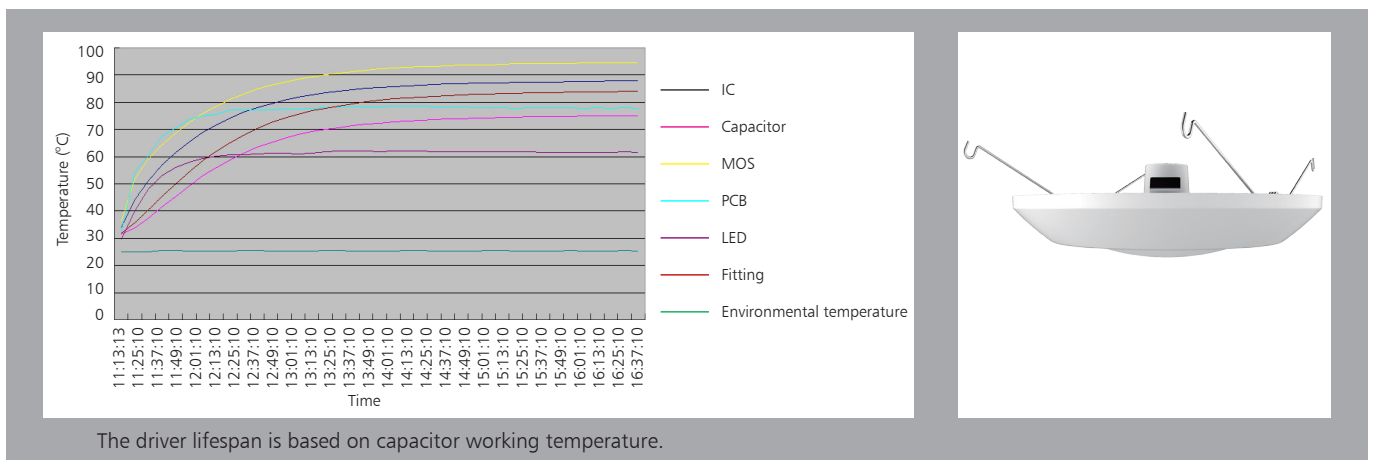
AVERAGE BEAM ANGLE (50%): 114.4DEG

Driver lifetime & LED light decay rate



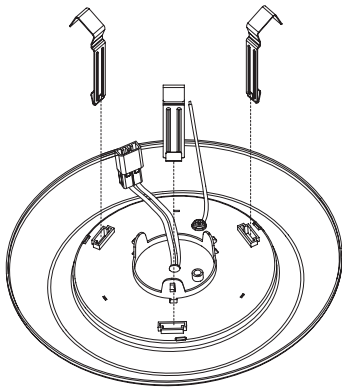
Temperature

- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C

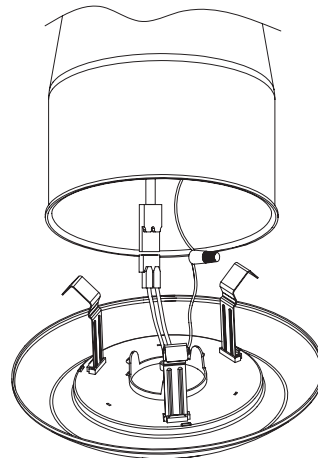


The driver lifespan is based on capacitor working temperature.

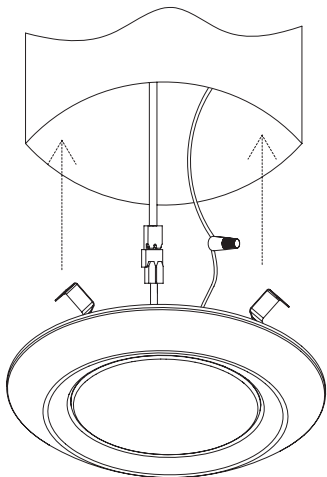
Replace 4" traditional down light, Installation method



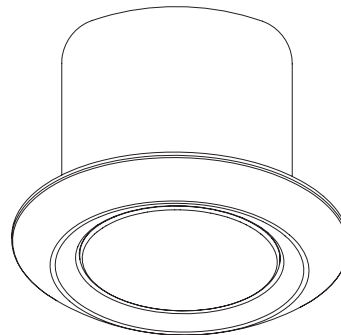
1. Open the package, take out the lamp and clips, insert the three clips into the corresponding holes of the lamp and ensure it is firmly fixed to the lamp.



2. Screw the E26 base to the 4" down light housing, connect the male & female connector. Connect the ground wire with wiring nut.

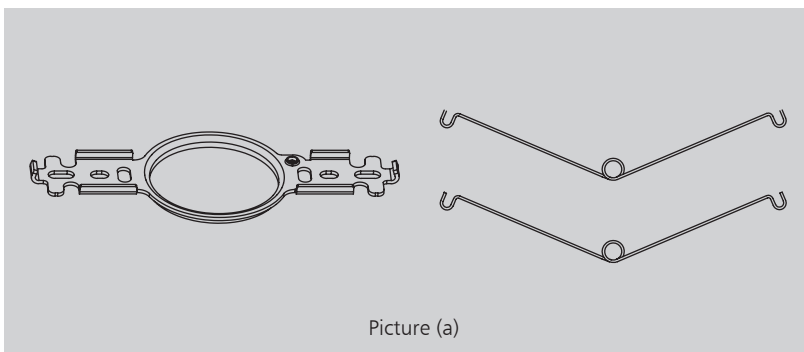


3. Push the lamp into the housing until the clips firmly stick in the housing.

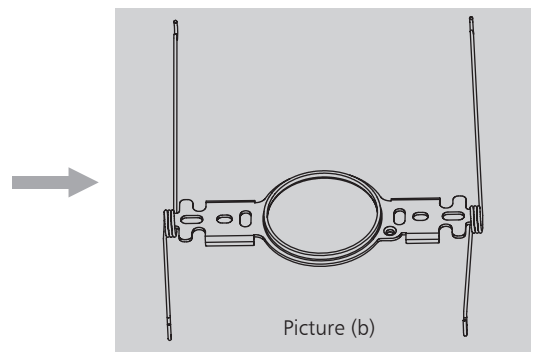


4. Installation complete.

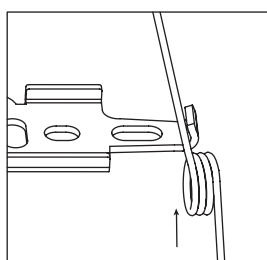
Replace 6" traditional down light



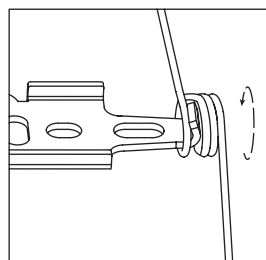
Picture (a)



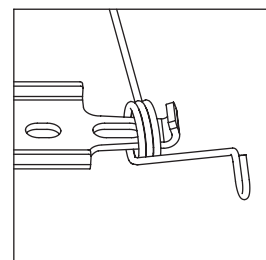
Picture (b)



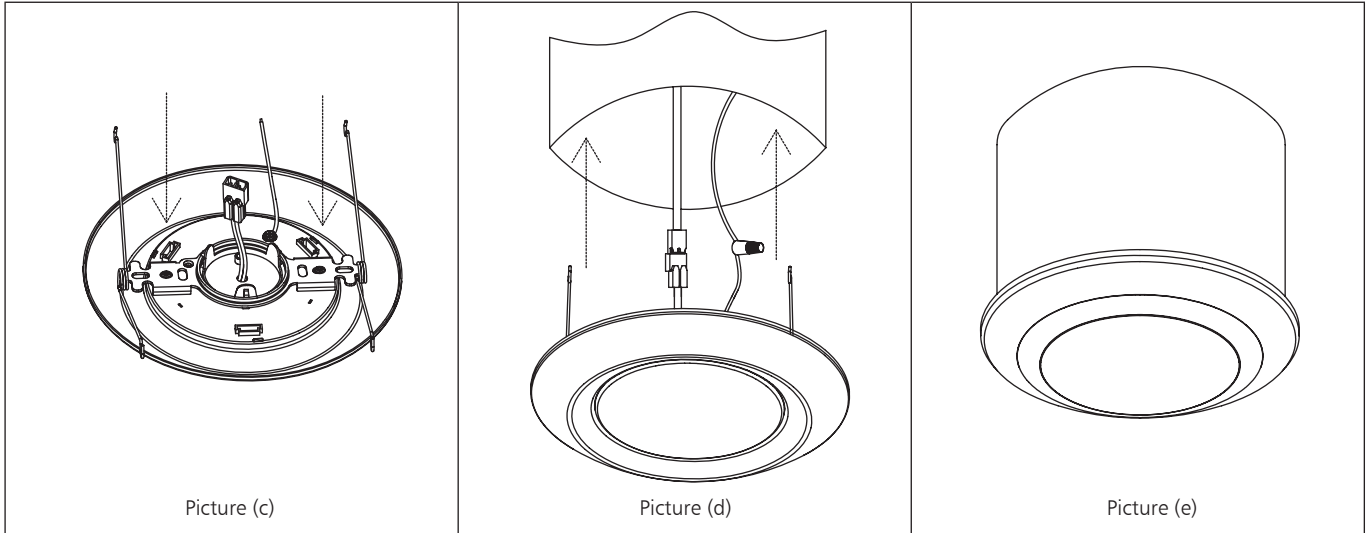
Picture (b1)



Picture (b2)

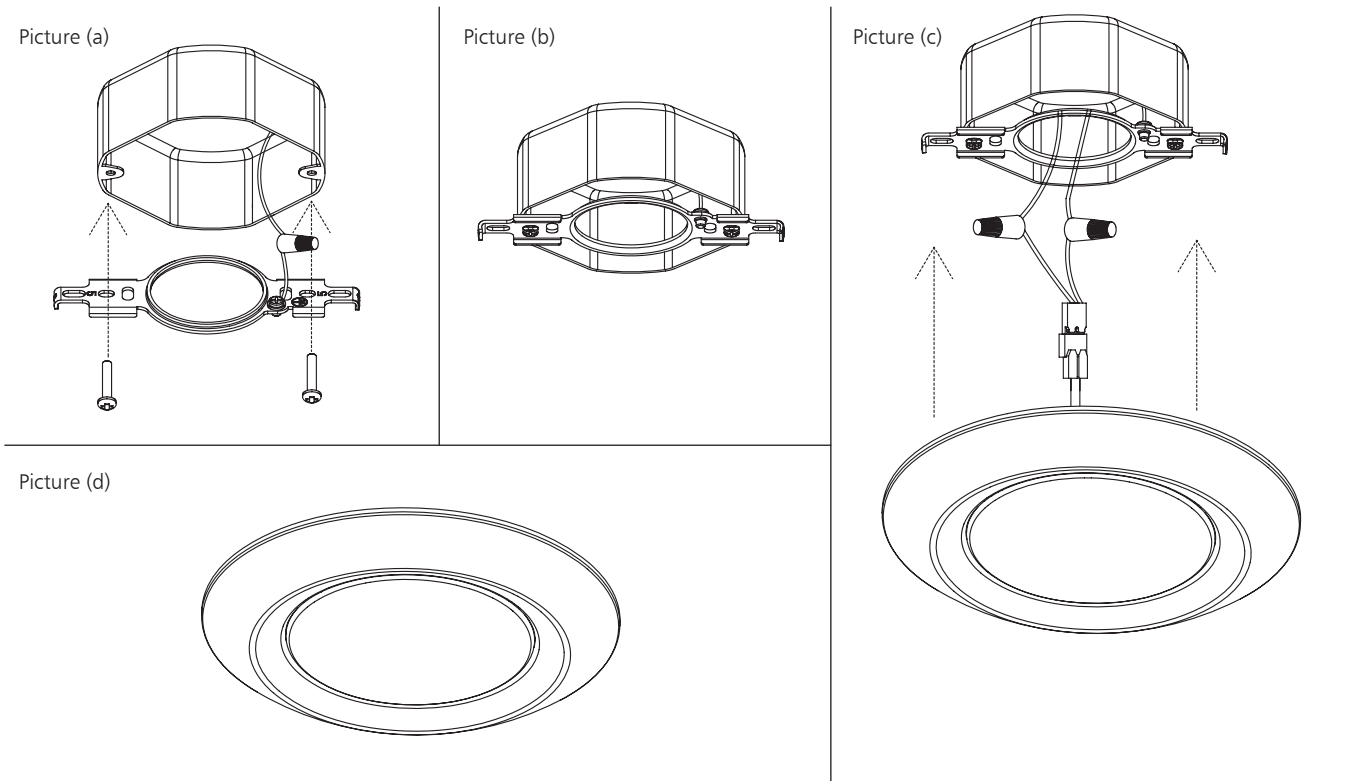


Picture (b3)



1. Open the package ,take out the spring and bracket (picture a), screw the spring into the brackets according to the b1 b 2 b3 step .(picture b)
2. fix the bracket on the back of the lamp,(picture c)
2. Screw the E 26 base into the 6" down light housing, connect the female and male connectors (picture d).Connect the ground wire with wiring nut.
3. Push the lamp into the housing until the clips firmly stuck in the housing (picture d,e).
4. installation complete (picture e)

J-BOX: Installation with J-BOX: Surface Mounted



1. Open the package ,take out the bracket (picture a).Connect the ground wire with wiring nut.
2. Lock the brackets on the J-BOX by screws.(picture b)
3. Connect AC cables (L: white to white, N: black to black) (picture c)
4. Push the lamp to the bracket until snap joint of bracket firmly stuck to the lamp (picture c,d)
5. Installation complete (picture d)

Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	44.5*44.5*44.5 17.5"*17.5"*17.5"	0.3	10	20

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	310	6200	28
40" standard container	620	12400	56

