

LED PUCK LIGHT SPECIFICATION



PRODUCT FEATURES:

MODEL:

3x1W CREE LED/Edison LED/LED specified by customer

Dimming Function is available

Colors available: white, warm white, red, green and blue

Dimension: $\phi 69.2 \times (H) 13.5 \text{mm}/19 \text{mm}$

Surface finish available: silver, white, black, golden painting

Wide beam angle range

Outstanding structure design, nice looking

Low working temperature, long working lifetime

APPLICATIONS:

Puck Lighting

Furniture Lighting

Display Case Lighting

Jewelry Store, Museum, Wall Way

Hotel, Restaurant, Entertainment Places, Accent Lighting





PHOTOMETRIC CHARACTERISTICS:

Light source: 3x1W CREE LED/EDISON LED/LED specified by customer

Color temperature: Warm white, 2800-3300K

Neutral white, 3300-3800K/4000-4500K

Cool white, 6000-6500K

Beam angle: 15°, 30°, 45°, 60°, 120°

Color Rendering Index: CRI>80

LUMEN OUTPUT:

LED CHIP BRAND	COLOR TEMPERATURE	LUMEN OUTPUT
CREE	2800-3300K	240lm
CREE	6000-6500K	270lm
EDISON	2800-3300K	210lm
EDISON	6000-6500K	240lm

MECHANICAL CHARACTERISTICS:

Material: aluminum housing, PMMA Cover, Edison / Cree LED chip.

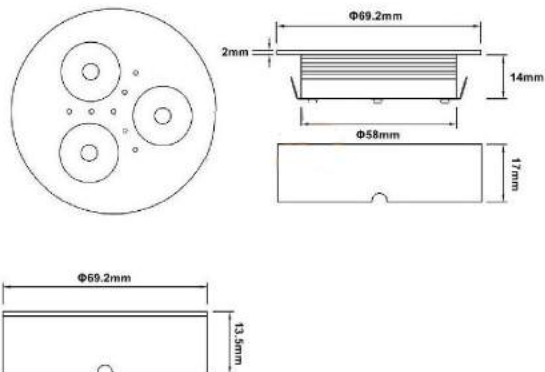
Lamp color available: silver, white painting

Working temperature: 40 degrees Celsius at room temperature 25 degree Celsius

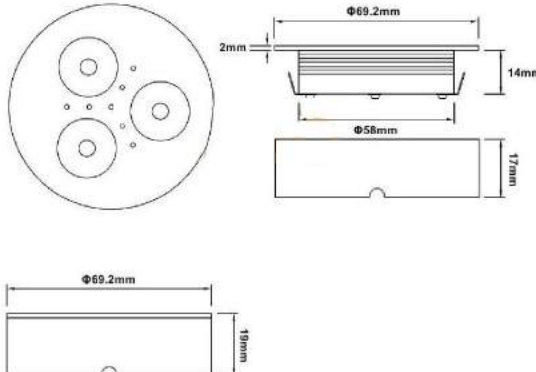
Ambient temperature: -40~50 degrees Celsius

Dimension: $\phi 69.2 \times (H) 13.5\text{mm}/19\text{mm}$

LED Puck Light



LED Puck Light



PACKAGING DETAILS:

Net Weight:	0.095kg
Gross weight:	0.11kg
Inner box size:	7.3x7.3x4cm
Carton size:	39x39x23cm
Quantity per carton:	100pcs

ELECTRICAL CHARACTERISTICS:

According to the input, there are two types

1. [Input constant current 350mA.](#)
2. [Input constant voltage 12V.](#) (with 350mA constant current driver on the PCB)

Input constant current 350mA

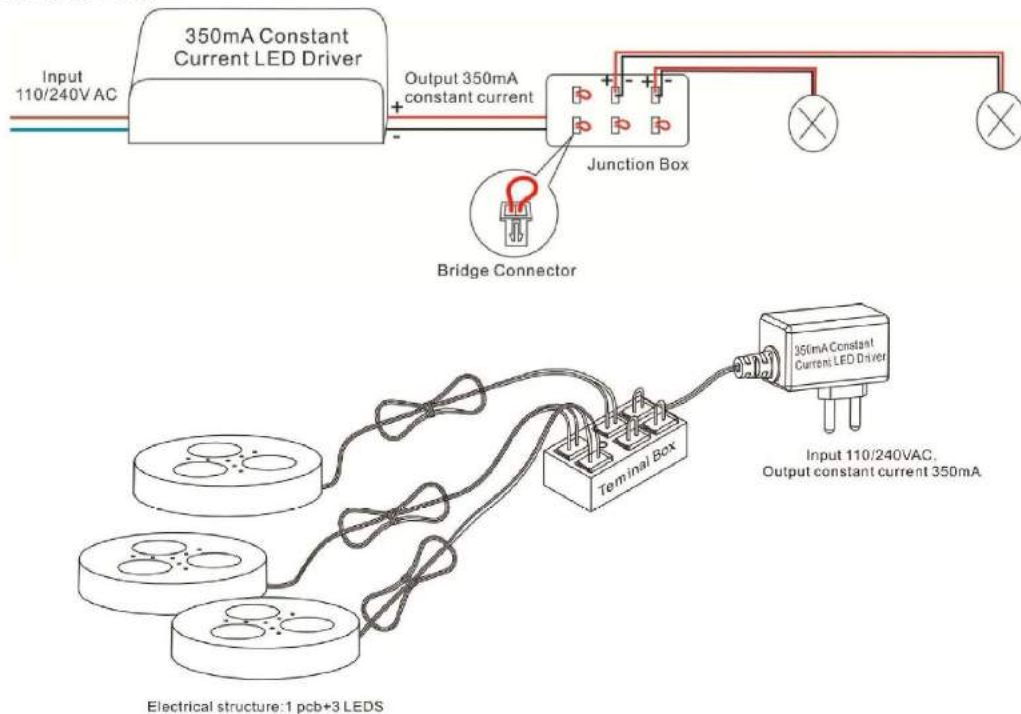
1-6pcs can be connected in series (not in parallel), but it is limited by the max power consumption of the constant current LED driver.

Input voltage: / ; Input current: constant current 350mA

Power consumption: 3W

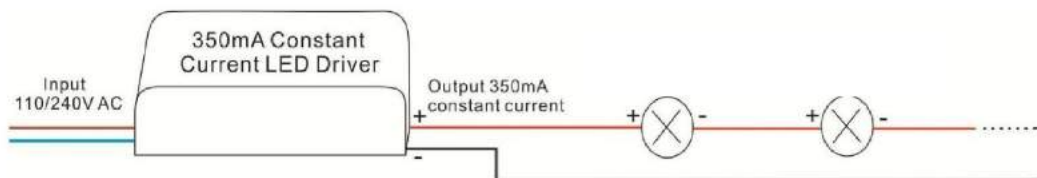
Diagram of Wiring

1. With Junction Box



To add one more light, one more bridge connector should be taken out of the junction box

2. Without Junction Box



IMPORTANT NOTICE:

Before switching on the power, please make sure all the connectors and wires are connected tightly.

Any poor connection or wrong way of operation may cause the damage of LED by instant Higher voltage

Recommend to use constant current LED driver with protective function to avoid any damage caused by poor connection or wrong way of operation.

Input constant voltage 12VDC

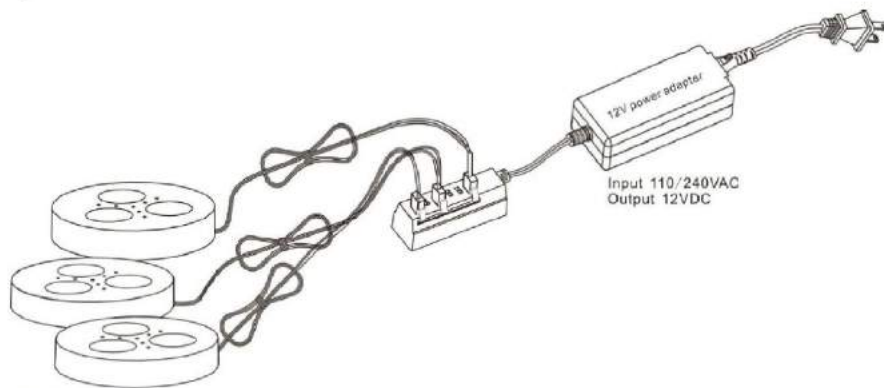
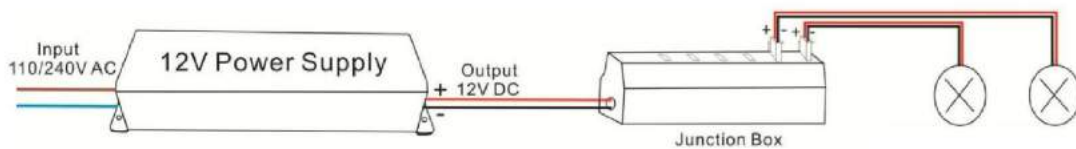
Electrical structure: 1 PCB + 3 LED + 350mA current regulator on the PCB

Input voltage: 12V DC; Input current: /

Power consumption: 3W

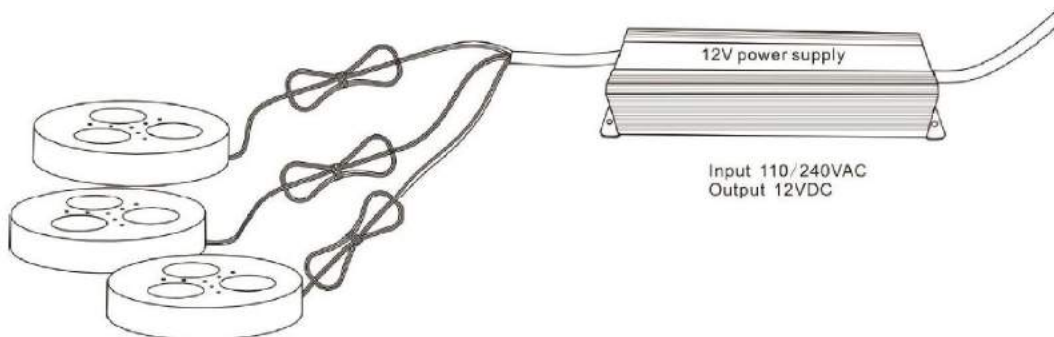
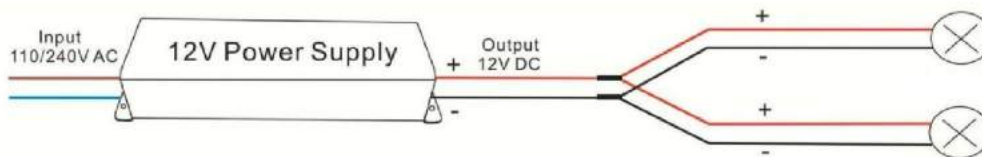
One 12V power supply can work with multiple Puck Lights which are connected in parallel (not in series), but it is limited by the max load of the 12V power supply.

1. With Junction Box



Electrical structure:
1 pcb+3 LEDs+350mA constant current LED driver

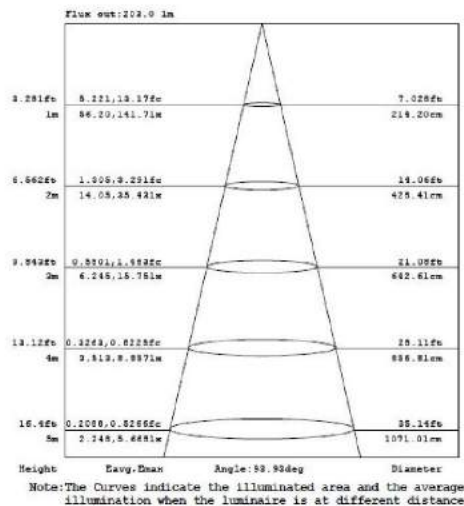
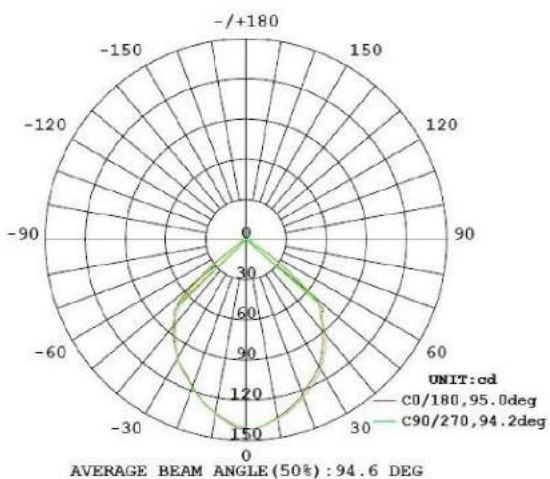
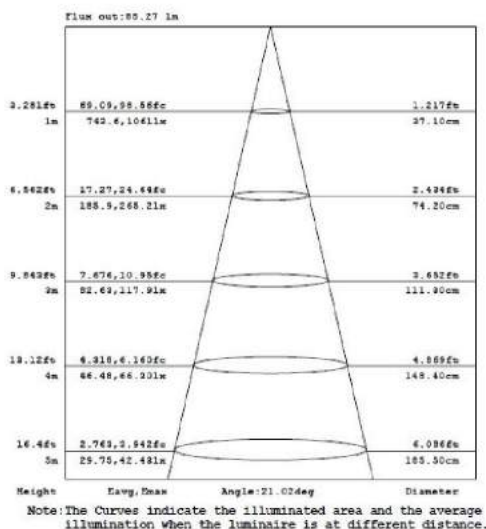
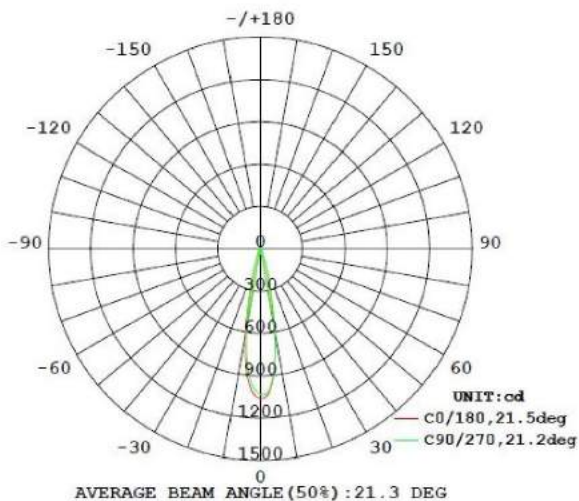
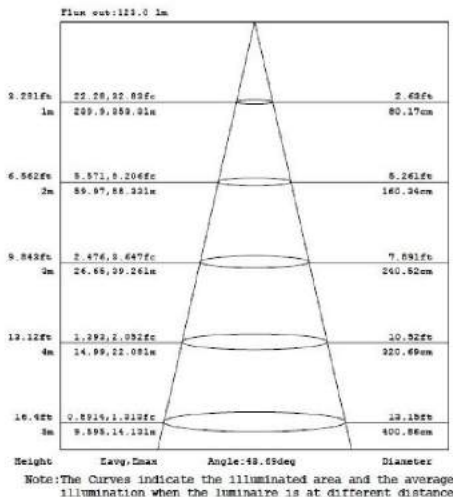
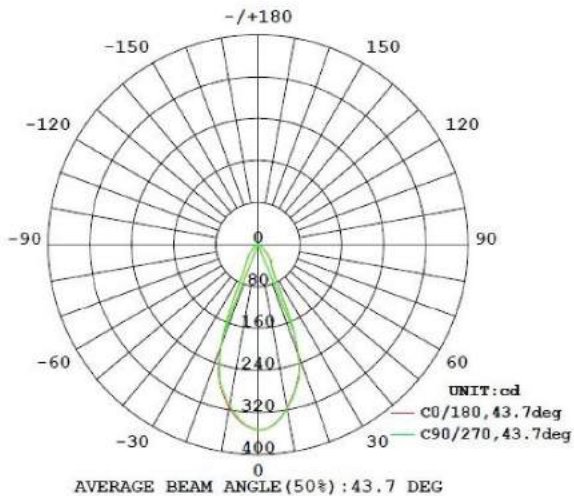
2. Without Junction Box



Electrical structure:
1 pcb+3 LEDs+350mA constant current LED driver

IMPORTANT NOTICE:

The total power consumption of the lights connected should be less than 90% of the max load of the power supply.

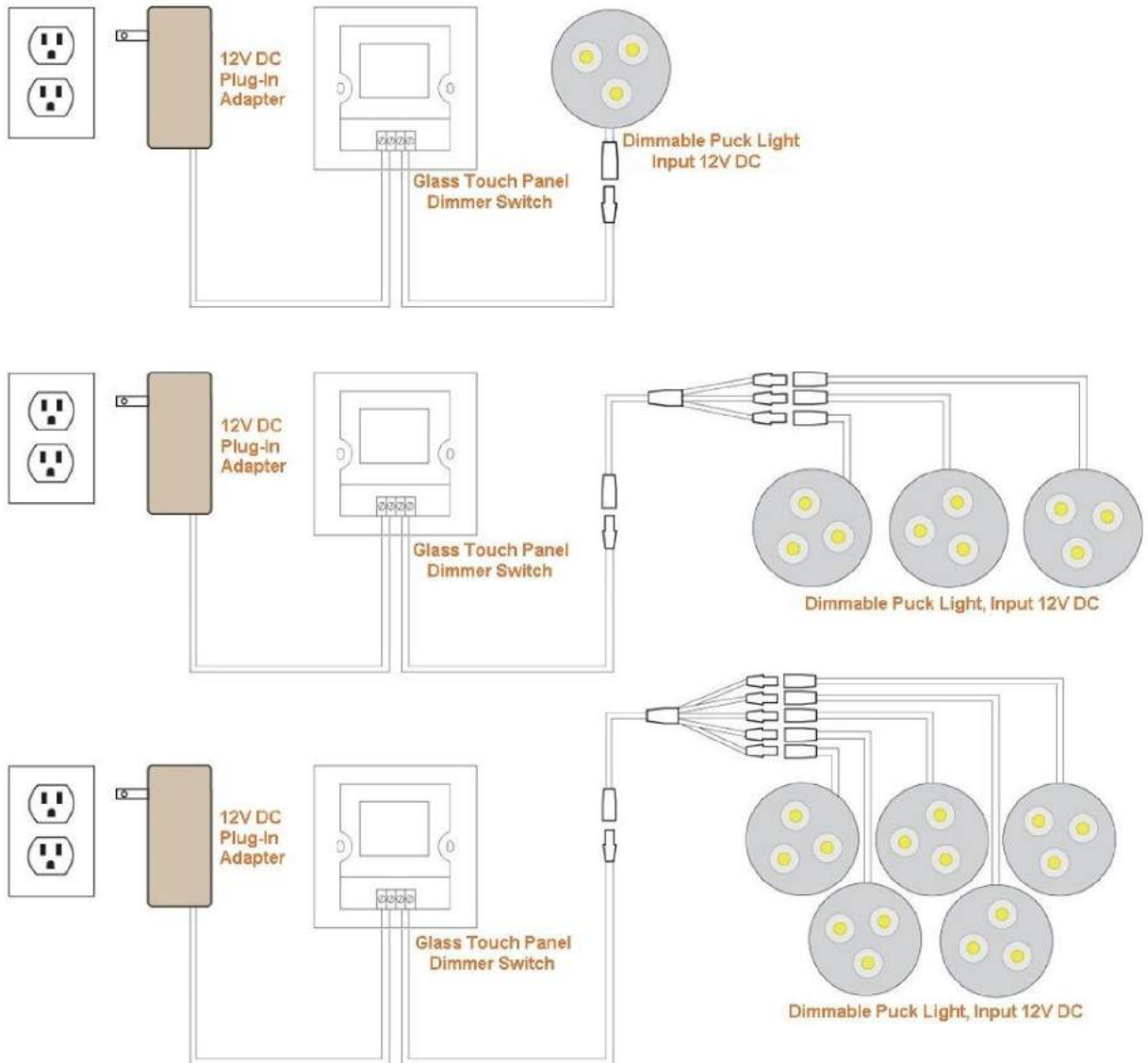
LIGHT DISTRIBUTION DIAGRAM:
ISOLUX DIAGRAM:
120° CREE LED

30° CREE LED

45° CREE LED


Dimming Functions:

Intelligent design of dimmer, each dimmer can control 20pcs LED Cabinet Light.



Dimming Wiring Diagram



METHOD OF INSTALLATION:

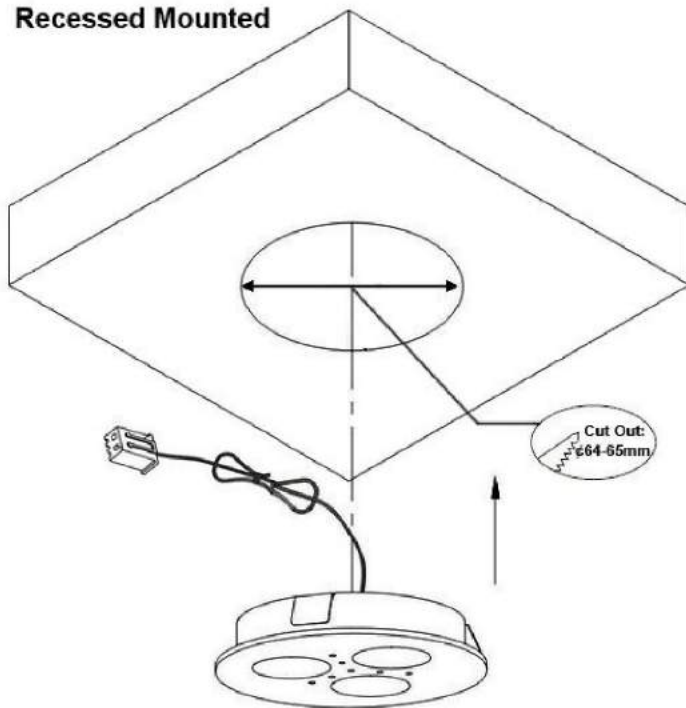
1. RECESSED MOUNTED

Cut a hole $\phi 64-65\text{mm}$ in the Puck, put the light in the hole, the light can be fixed by the spring

2. SURFACE MOUNTED

Take out the ring, fix the ring with two screws on the Puck, and put the inner part back into the ring.

Recessed Mounted



Surface Mounted

