LED PUCK LIGHT SPECIFICATION

Item:4302

Item:4302B

PRODUCT FEATURES:

CE RoHS compliant UL LISTED FC F

MODEL:

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

Dimming Function is available

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

Dimension: ¢69.2x(H)13.5mm/19mm

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
Epistar	2800-3300K	210lm
Epistar	6000-6500K	240lm

MECHANICAL CHARACTERISTICS:

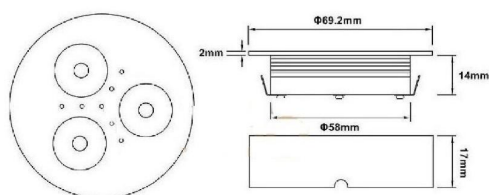Material: aluminum housing, PMMA Cover, LED chip.

Lamp color available: silver, white painting

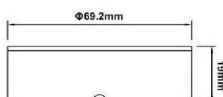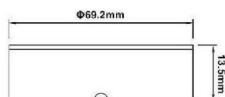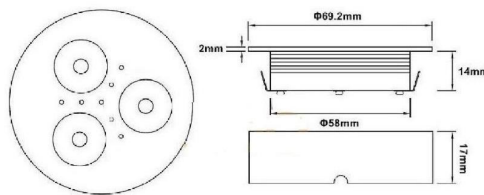Working temperature: 40 degrees Celsius at room temperature 25 degree Celsius

Ambient temperature: -40~50 degrees Celsius

Dimension: ¢69.2 x (H) 13.5mm/19mm

LED Puck Light 4302

LED Puck Light 4302B

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)
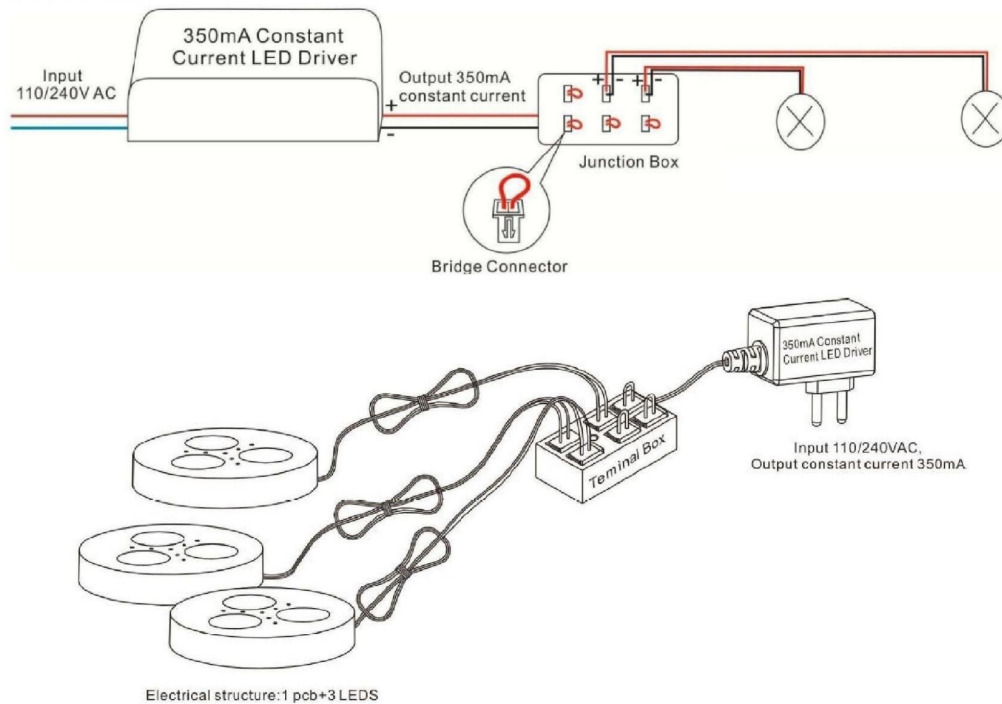
Input constant current 350mA

1-6pcs WD-300A / WD-300B 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
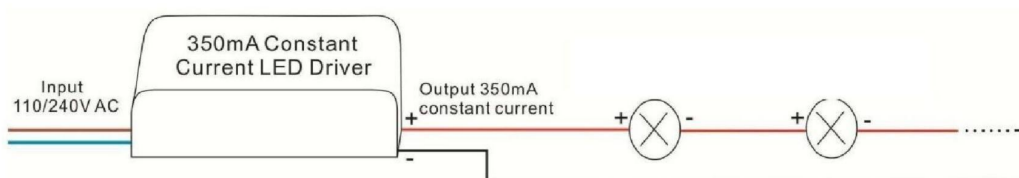
IMPORTANT NOTICE:

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.

![Richee logo]

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 lights of 12V 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.

4302 -**120**°

-/+180

-150 150
-120 120
-90 90
-60 60
-30 30
0
30
60
90
120
150

UNIT:cd
— C0/180,95.0deg
— C90/270,94.2deg

AVERAGE BEAM ANGLE(50%):94.6 DEG

Flux out:203.0 lm

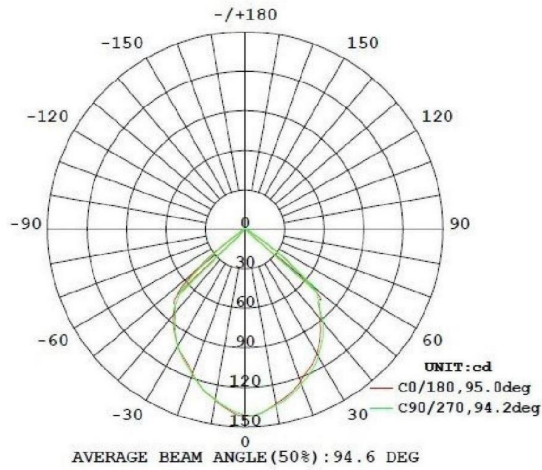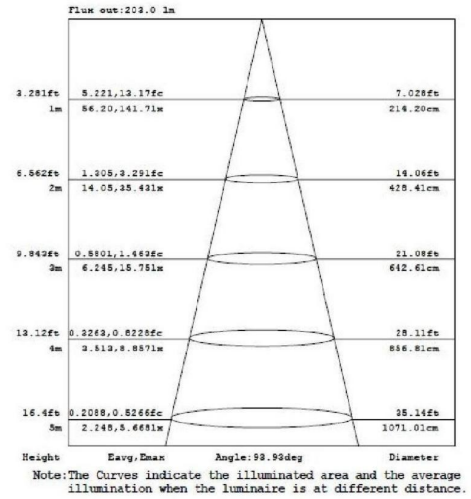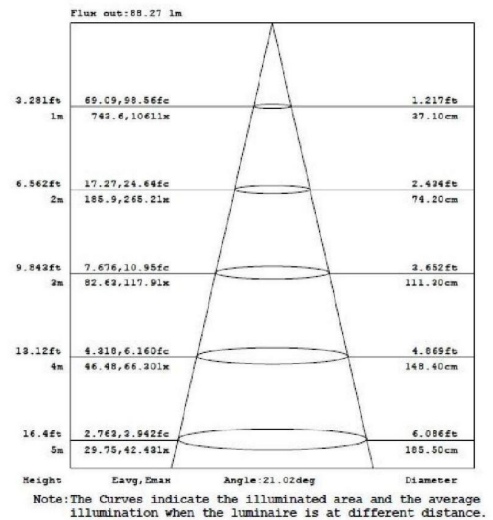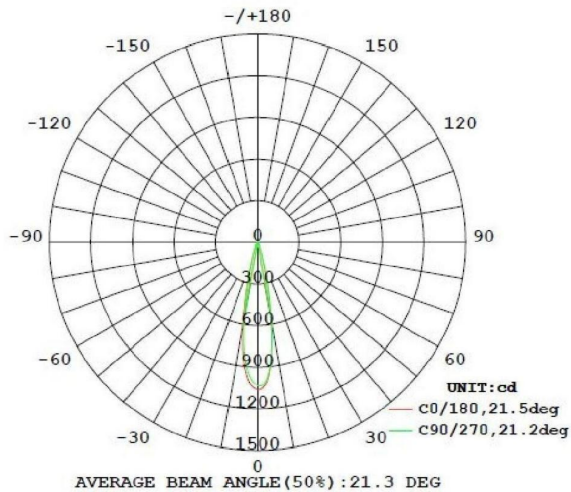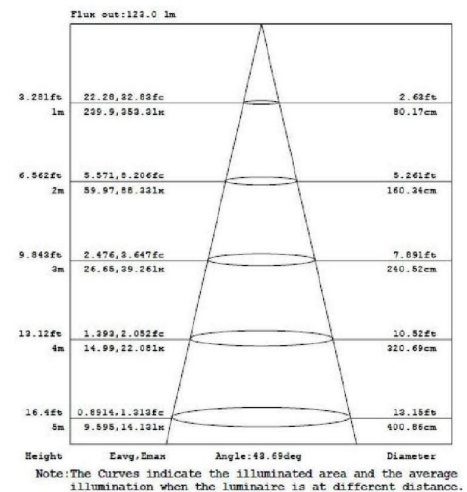| Height		Eavg,Emax	Angle:93.93deg	Diameter
3.281ft	5.221,13.17fc			7.028ft
1m	56.20,141.71x			214.20cm
6.562ft	1.305,3.291fc			14.06ft
2m	14.05,35.431x			428.41cm
9.843ft	0.5801,1.463fc			21.08ft
3m	6.245,15.751x			642.61cm
13.12ft	0.3263,0.8228fc			28.11ft
4m	3.513,8.8571x			856.81cm
16.4ft	0.2088,0.5266fc			35.14ft
5m	2.248,5.6681x			1071.01cm

Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

4302B- **30**°

-/+180

-150 150
-120 120
-90 90
-60 60
-30 30
0
300
600
900
1200
1500

UNIT:cd
— C0/180,21.5deg
— C90/270,21.2deg

AVERAGE BEAM ANGLE(50%):21.3 DEG

Flux out:88.27 lm

Height		Eavg,Emax	Angle:21.02deg	Diameter
3.281ft	69.09,98.56fc			1.217ft
1m	743.6,10611x			37.10cm
6.562ft	17.27,24.64fc			2.434ft
2m	185.9,265.21x			74.20cm
9.843ft	7.676,10.95fc			3.652ft
3m	82.62,117.91x			111.30cm
13.12ft	4.318,6.160fc			4.869ft
4m	46.48,66.301x			148.40cm
16.4ft	2.763,3.942fc			6.086ft
5m	29.75,42.431x			185.50cm

Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

4302B- **45**°

-/+180

-150 150
-120 120
-90 90
-60 60
-30 30
0
80
160
240
320
400

UNIT:cd
— C0/180,43.7deg
— C90/270,43.7deg

AVERAGE BEAM ANGLE(50%):43.7 DEG

Flux out:123.0 lm

Height		Eavg,Emax	Angle:43.69deg	Diameter
3.281ft	22.28,32.83fc			2.63ft
1m	239.9,353.31x			80.17cm
6.562ft	5.571,8.206fc			5.261ft
2m	59.97,88.321x			160.34cm
9.843ft	2.476,3.647fc			7.891ft
3m	26.65,39.261x			240.52cm
13.12ft	1.393,2.052fc			10.52ft
4m	14.99,22.081x			320.69cm
16.4ft	0.8914,1.313fc			13.15ft
5m	9.595,14.131x			400.86cm

Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.
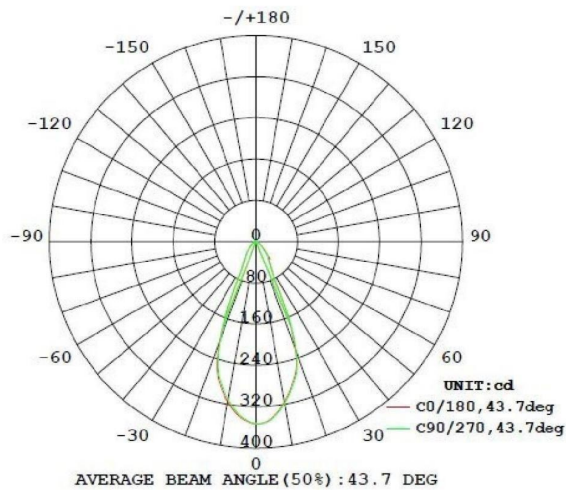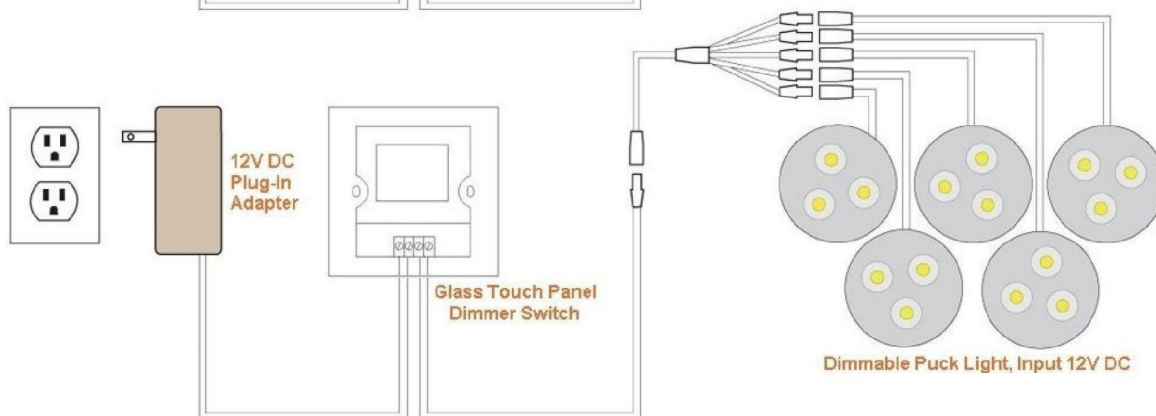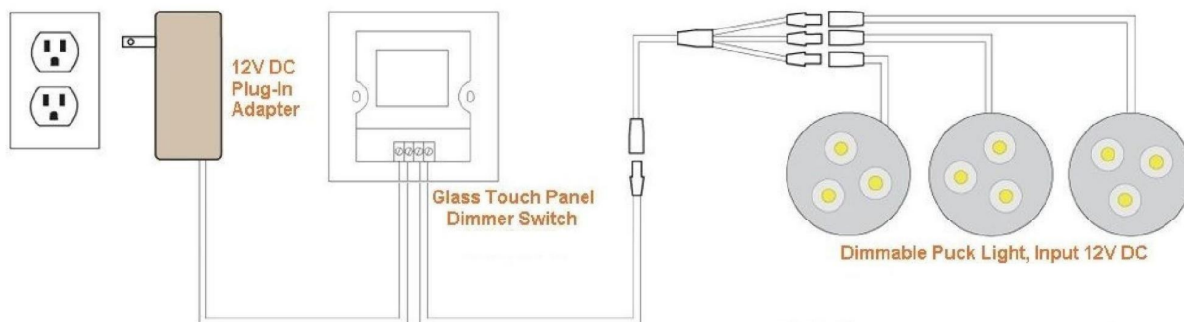
Dimming Functions:

Intelligent design of dimmer, each dimmer can control 20pcs 4302 ,4302B-12V LED Cabinet Light.

Dimming Wiring Diagram

12V DC Plug-In Adapter

Glass Touch Panel Dimmer Switch

Dimmable Puck Light Input 12V DC

Dimmable Puck Light, Input 12V DC

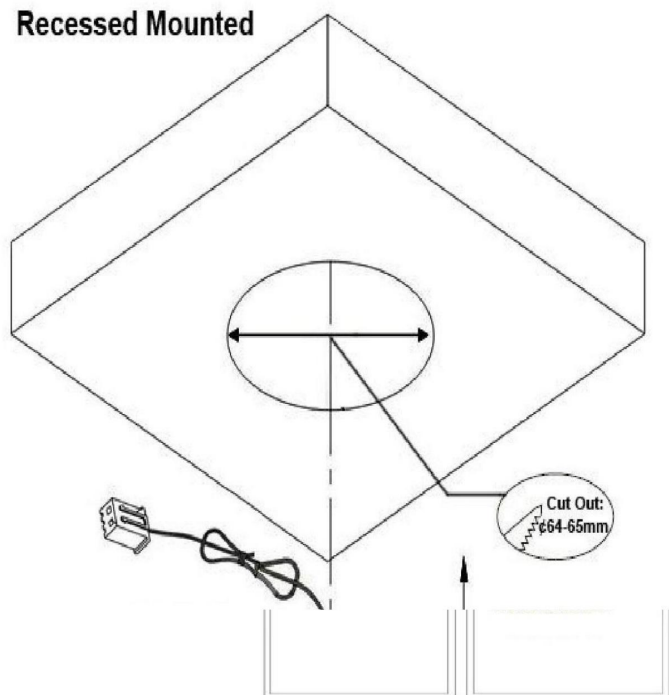Dimmable Puck Light, Input 12V DC

METHOD OF INSTALLATION:

1. RECESSED MOUNTED

Cut a hole ¢64-65mm 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

Cut Out:
¢64-65mm

Surface Mounted

1
2
3

Dimmable Puck Light, Input 12V DC

12V DC
Plug-In
Adapter

Glass Touch Panel
Dimmer Switch

Dimmable Puck Light, Input 12V DC