

Professional LED Lighting Solutions for Crop Cultivation



- OEM&ODM
- Professional
- High Quality

2023.V2

YB-C series

Full spectrum LED Grow light for Indoor Plants



■ High Light Uniformity

■ Care For Every Plant

■ High Performance

■ Get High Yields

- ✓ **Balanced PPFD**—No hot spot in the middle & No drop on the sides
- ✓ **4-sided light emitting**—More uniform photon
- ✓ **Take care of edge area's cultivation**—Maximize yields
- ✓ **Bar lighting design**—Create an even distribution of light to the canopy

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Balanced PPF Care For Every Plant

Size of Grow Light: 1100*1100*76mm

Wattage: 1000W

PPFD Test Height: 30cm

Tested in 1.2*1.2m Tent

1556.5	1539.1	1573.9	1562.3	1586.5
1541.1	1660.2	1656.7	1676.7	1596.2
1598.3	1641.6	1680.5	1655.8	1596.5
1555.2	1627.5	1635.7	1631.9	1589.8
1571.8	1555.6	1549.5	1566.8	1556.3

Size of Grow Light: 950*950*76mm

Wattage: 800W

PPFD Test Height: 30cm

Tested in 1.2*1.2m Tent

1287.9	1469.6	1409.8	1379.3	1248.3
1429.6	1581.6	1545.3	1527.3	1386.4
1411.3	1569.6	1590.8	1580.5	1416.1
1388.4	1524.6	1532.3	1584.6	1447.7
1257.6	1399.6	1400.4	1476.3	1301.3



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4+2 LED bars



6+2 LED bars



8+2 LED bars



10+2 LED bars

Specifications

Power	240W	320W	480W	600W/650W/680W	720W/800W	1000W
LED Bars	4+2 bar	6+2 bar	6+2 bar	8+2 bar	8+2 bar	10+2 bar
Fixture Size (mm)	590*550*67		870*870*74		950*950*76	1100*1100*76 (Standard)
						1200*1200*76 (Optional)
Efficacy(PPE)	2.8umol/J					
LED Chipset	Samsung lm301H/ lm301H evo/ lm301B/ lm281B					
LED Driver	Meanwell	Inventronics Driver				
Input Voltage	AC100-277V					
Full spectrum	3000K&5000K+660nm+730nm(IR)+395nm(UV)					

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5%



0-10V Dimming By Knob



100%



▲ The UV and IR Diodes are integrated in the PCB strip but still can be controlled separately, the main advantage is that your plants get an equal amount of UV/IR light instead of concentrated when you use separate bars.

▲ Built-in 0-10V dimmable control on the luminaire to adjust between 0%-100%.

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CUSTOMIZED DIODES

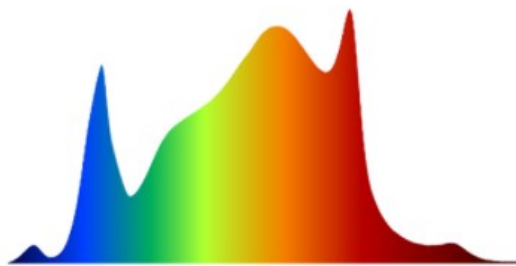
Increase Your Yield



Using Samsung “white LED” and supplemental special “660nm deep-red LED” and “730nm far-red LED,” as well as UV(395nm), which cover the spectrum that cannot be thoroughly covered with white LED lighting, but is important to plant growth.

YB-C series

Full spectrum LED Grow light for Indoor Plants



■ White Light

Boosts plants bloom, making flowers bigger and vivid.

■ Blue Light

Promotes plant germination, increasing the growth rate of plants.

■ Red Light (660nm)

Yields more leaves and crops when combined with blue light.

■ IR Light (730nm)

Speeds up the Phytochrome conversion allowing plants to produce a greater yield.

■ UV Light (395nm)

Meet special requirements of light during different stages of plants growth cycle. Make plants grow better.

(1) Increase the production of certain compounds. Such as THC and CBD.

(2) Help stimulate plant growth and enhance the plant's natural defense.







YB-C series

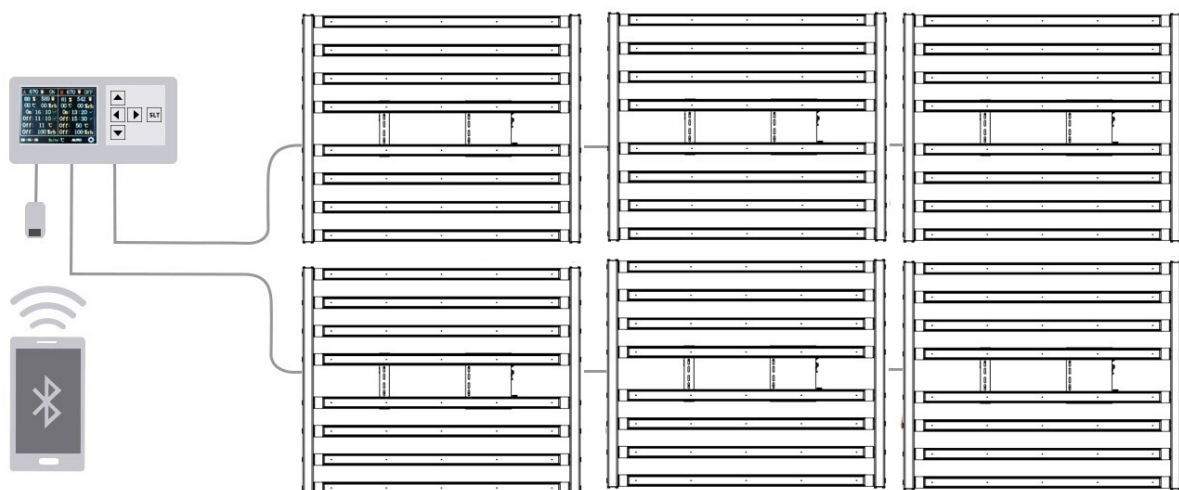
Full spectrum LED Grow light for Indoor Plants



RJ14 CONTROLLER CONNECTABLE



-  Standalone /Daisy Chain possible
-  Controlling up to 2 groups of ballast, Max. 100pcs per group.
-  Bluetooth App controllable
-  Temp. & Humidity monitored by controller



YB-C series

Full spectrum LED Grow light for Indoor Plants

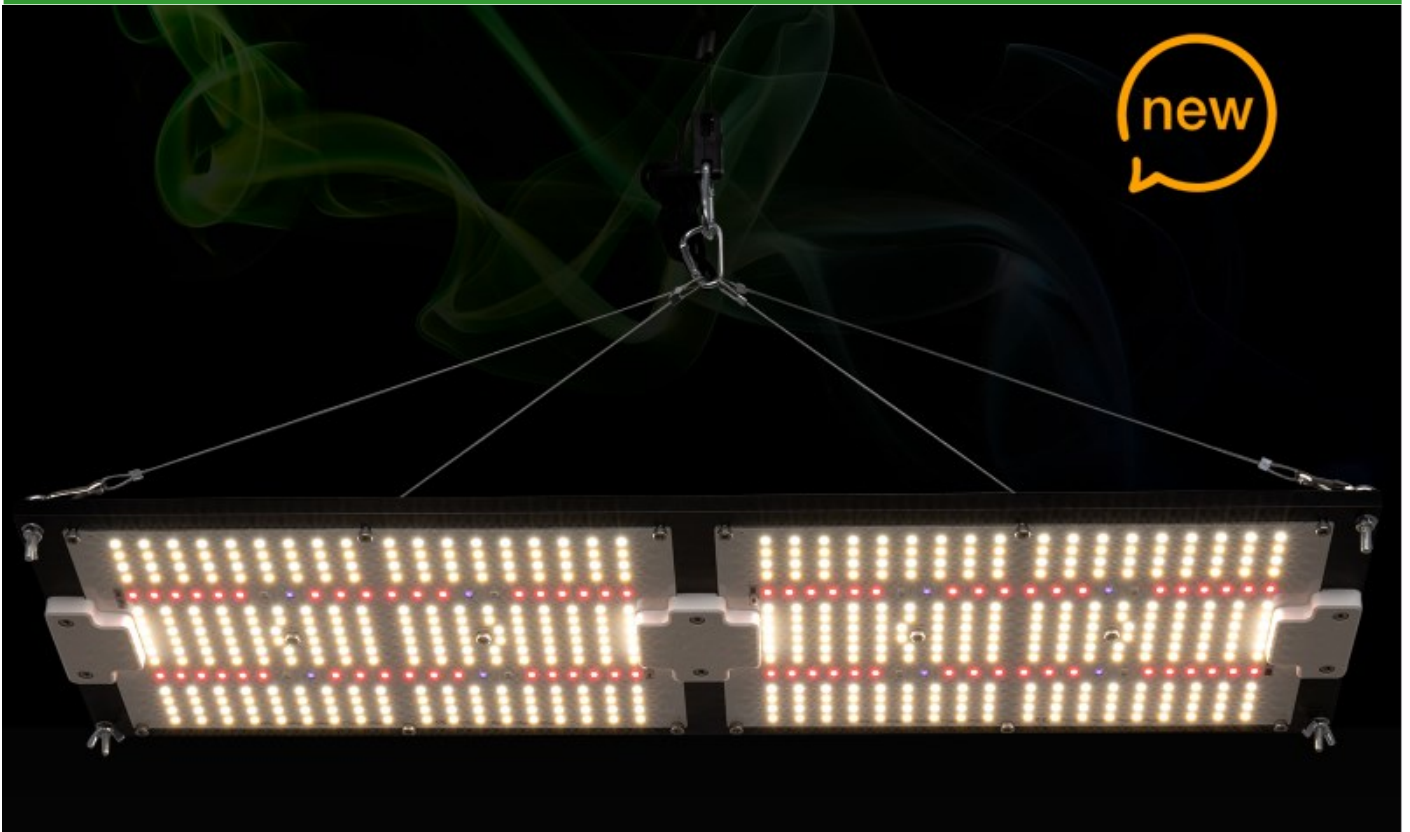


- Detachable Design, Easy Assembly
- Smaller Package, Lower Shipping Fee
- Reduce Maintenance Costs

- LED grow light can be assembled and disassembled easily. It is packed in a compact carton, which greatly saving transportation space.
- Removable LED bars make replacement much simpler. You only need to change the broken bar instead of the whole lamp. It can reduce maintenance costs.

YC-H series

Full spectrum LED light for Indoor Plants



- Aluminum Heatsink, Making Excellent Heat Dissipation
- Fin Style, Increasing Heat Dissipation Area

YC-H series

Full spectrum LED light for Indoor Plants



120W



150W



200W/240W

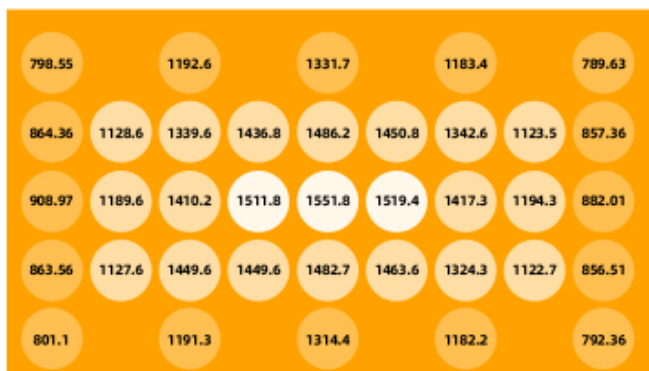


320W

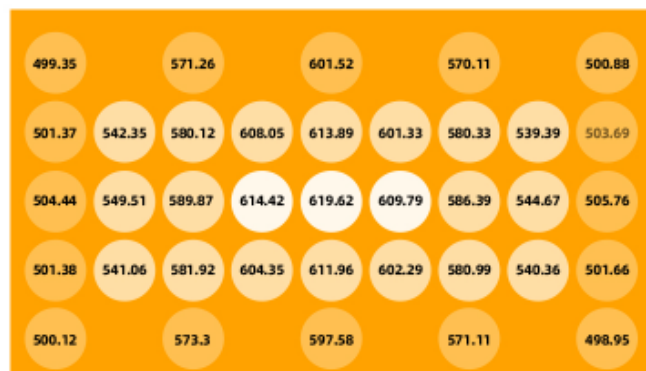
Specifications

Power	120W	150W	200W/240W	320W
Fixture Size (mm)	325*195*60	397*195*60	635*195*60	940*195*60
Efficacy(PPE)	2.6umol/J			
LED Chipset	Samsung lm301H/ lm301H evo/ lm301B/ lm281B			
LED Driver	Meanwell			Inventronics/Meanwell
Input Voltage	AC100-277V			
Full spectrum	3000K&5000K+660nm+730nm(IR)+395nm(UV)			

240W PPF Map Test in 4ft grow tent
Test Height: 12"(30cm)



240W PPF Map Test in 4ft grow tent
Test Height: 24"(60cm)



YC-H series

Full spectrum LED light for Indoor Plants

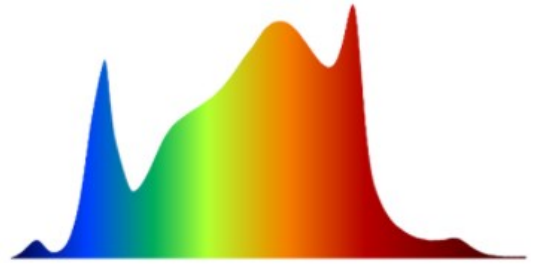


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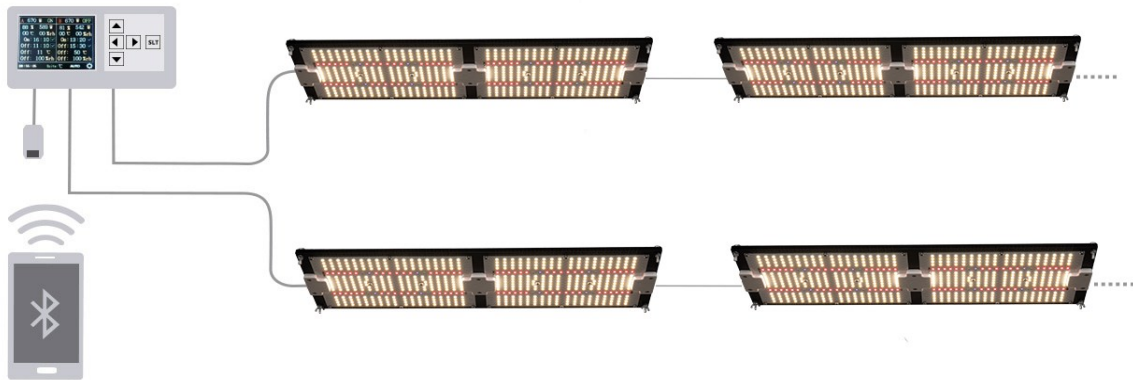
YC-H series

Full spectrum LED light for Indoor Plants

RJ14 CONTROLLER CONNECTABLE



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-  Bluetooth App controllable
-  Temp. & Humidity monitored by controller



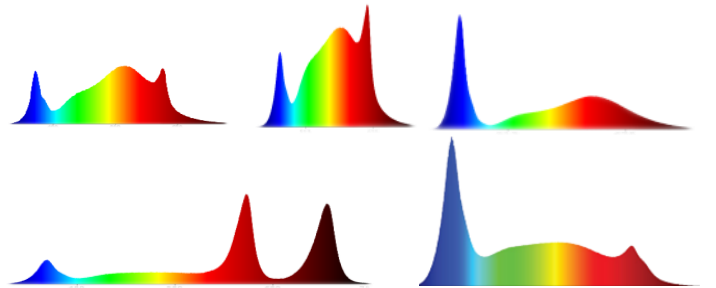
YD-T series

Full spectrum LED light for Indoor Plants



Widely used in plant factory, vertical farming, horticulture, hydroponics, soilless culture, indoor cultivation, clone etc.

A variety of spectra can be customized to meet different needs

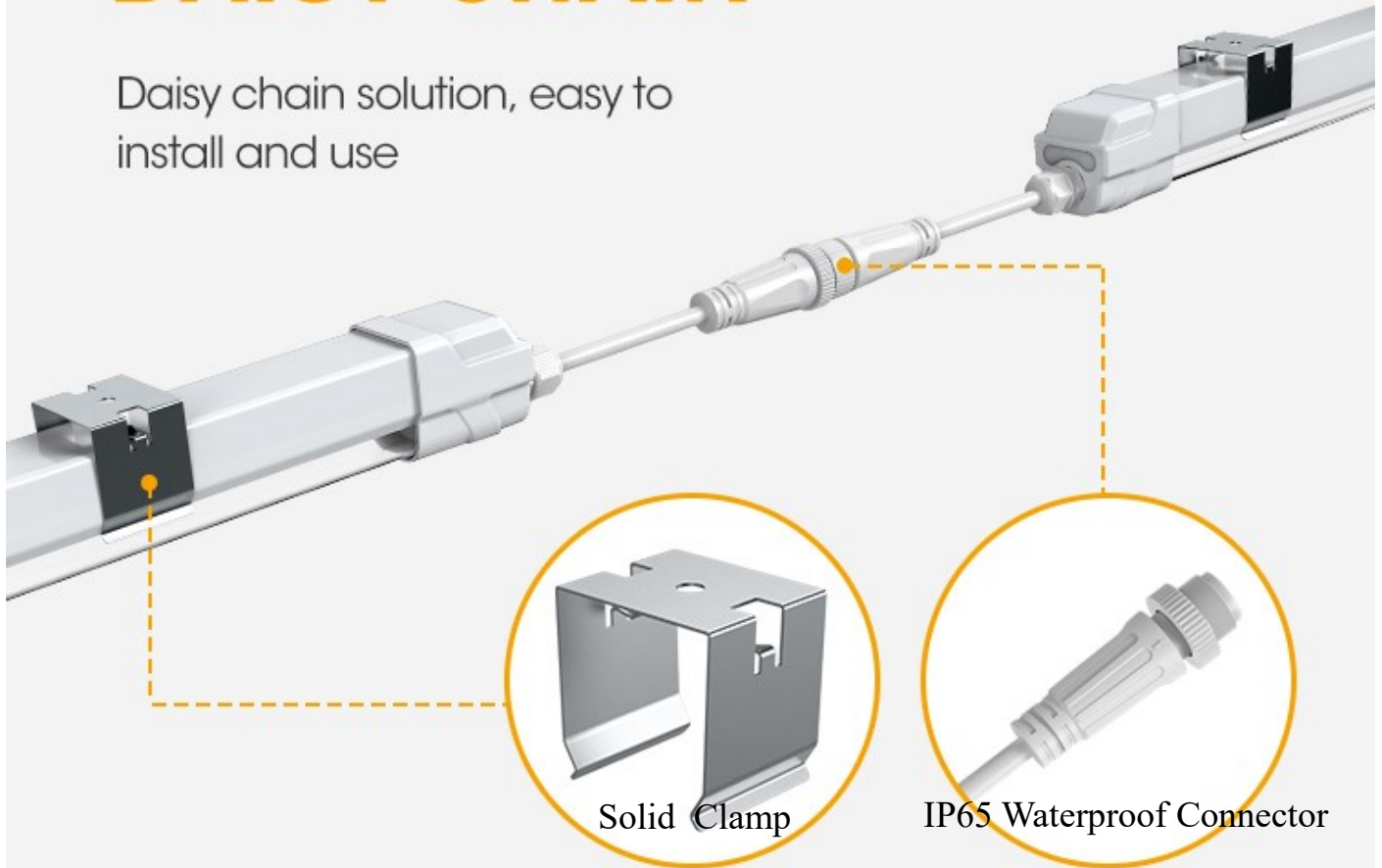


YD-T series

Full spectrum LED light for Indoor Plants

DAISY CHAIN

Daisy chain solution, easy to install and use

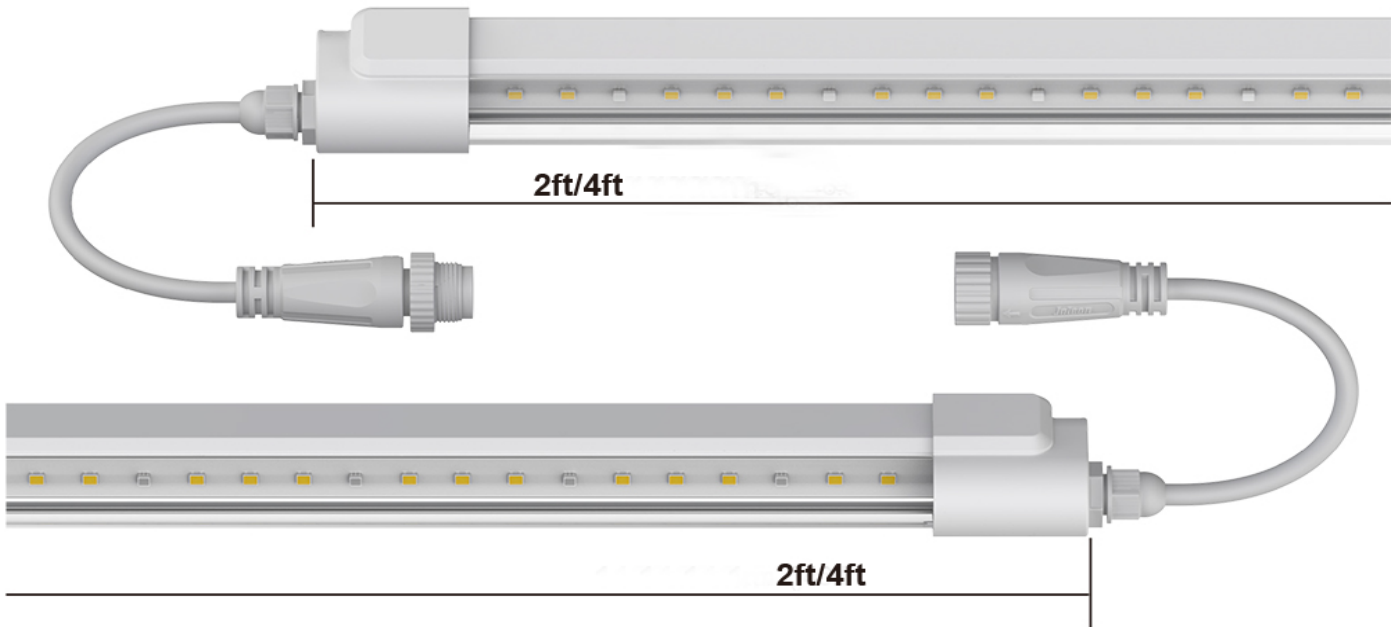


- ▲ 110V: 20W could connect 25 pcs
- ▲ 220V: 20W could connect 50 pcs
- ▲ Built-in driver, easy for installation



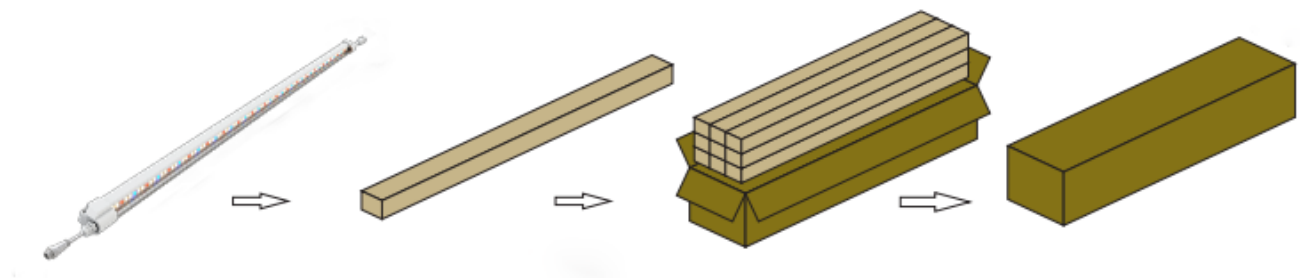
YD-T series

Full spectrum LED light for Indoor Plants



Specifications

Power	9W/10W /12W	18W/20W/25W
Fixture Size (mm)	600*29*34	1153*29*34
Efficacy(PPE)	2.3umol/J	
LED Chipset	Samsung lm301H/ lm301H evo/ lm301B/ lm281B	
LED Driver	High-quality LED driver	
Input Voltage	AC100-277V/AC200-240V	
Full spectrum	3000K/5000K+Red660nm+IR730nm/Customized	



Customization is available



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