



Backlighting Specialists

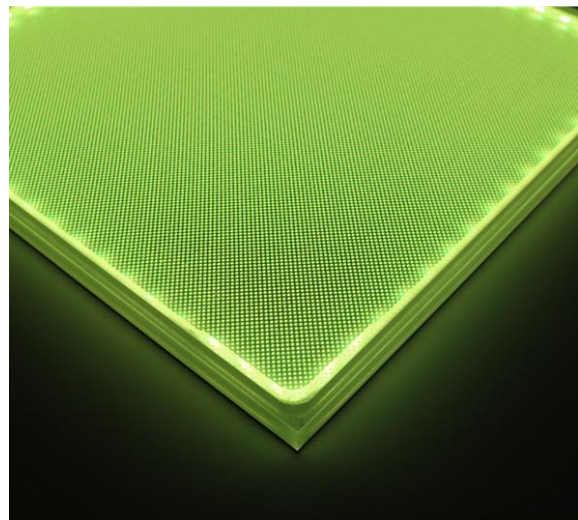


## ***CPD LITE TILE***

### ***RGB Light guide panel***

Our wholesale Custom LED Panels are customized into any shape or size imaginable up to 4' x 8'. We manufacture our panels custom to size, and our wholesale rates have kept us #1 in the industry for 20+ years. CPD light panels are much different than the rest. The surface brightness of our light panels is extremely powerful and our lifespan is approximately 75,000 hours. Our super slim frameless Custom LED panels are used for back lighting and ambiance lighting around the world. We use the highest quality LED's and components and our panels have been used in every application around the world. Flat lighting fixtures are produced by edge lighting for a thin and uniform light source. Edge lighting is mainly used by architects who understand how this lighting can enhance their designs.

This modern way of back lighting has been utilized by top notch designers around the globe as well as homeowners who simply want to add appeal to their project. Contact us today to discuss your ideas and see how we can illuminate your showcases.

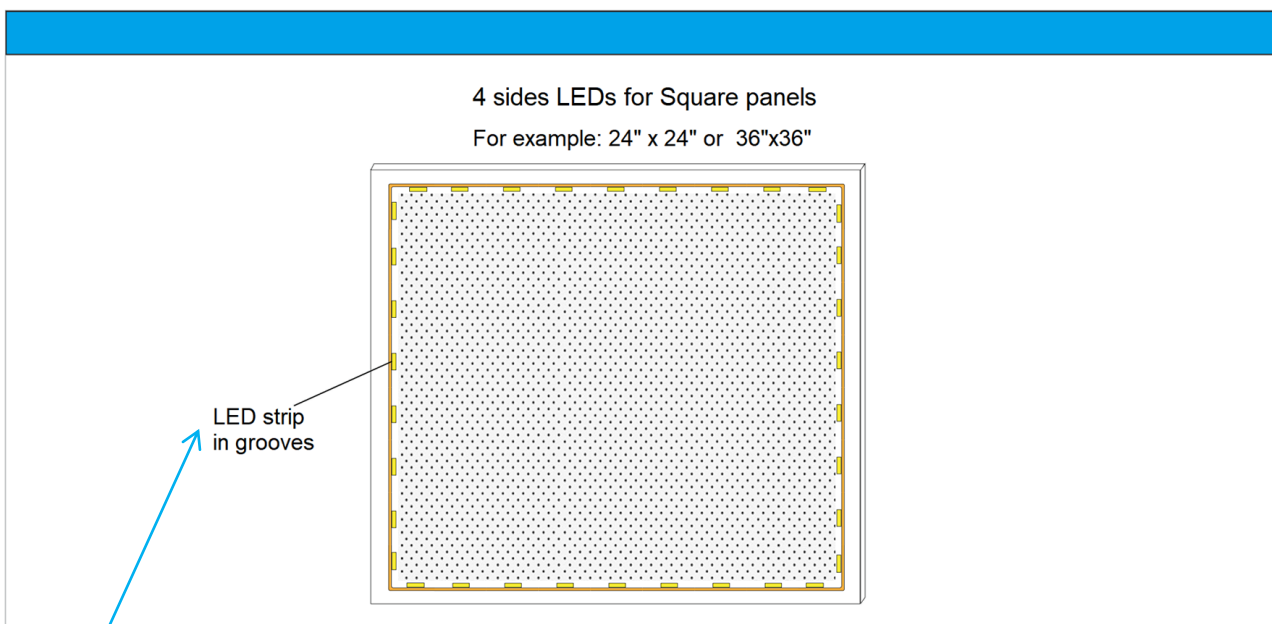
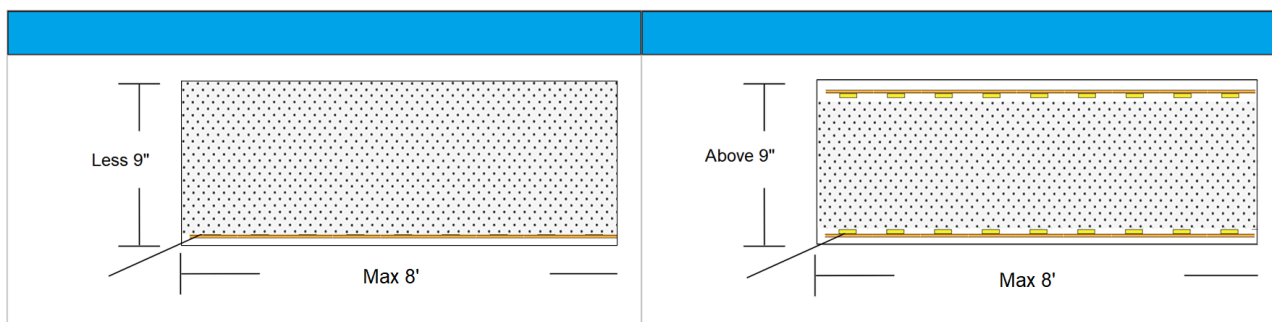
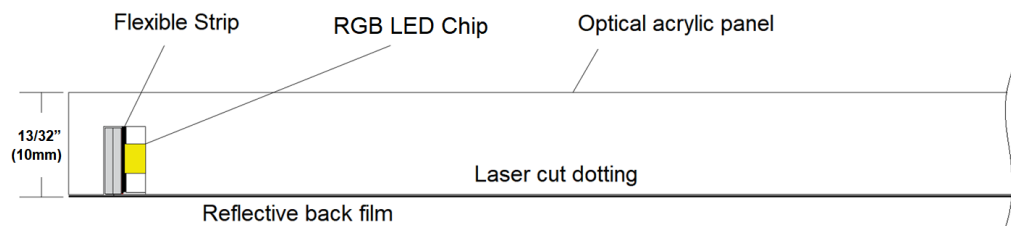


#### **ADVANTAGES:**

- Available in custom sizes & shapes
- Super slim 13/32" (10mm) laser Cut dotting panel
- Pull-resistant design wire
- Long LED lifespan(50,000-75,000hours)
- Energy saving and maintenance free (70% energy savings over traditional lighting)
- Can be used in "frameless" designs
- With Wi-Fi controller for color changing
- High brightness, Even and stable light quality
- Advanced 3 years warranty

### LED lighting solution

#### Raw CPD Lite Tile 13/32" (10mm) RGB panel cut view&top views



**\*Custom LED strips brightness design\***

IP22, PCB board width 5/32", 3W per 1ft.

IP65, PCB board width 1/4", 3.3W per 1ft.



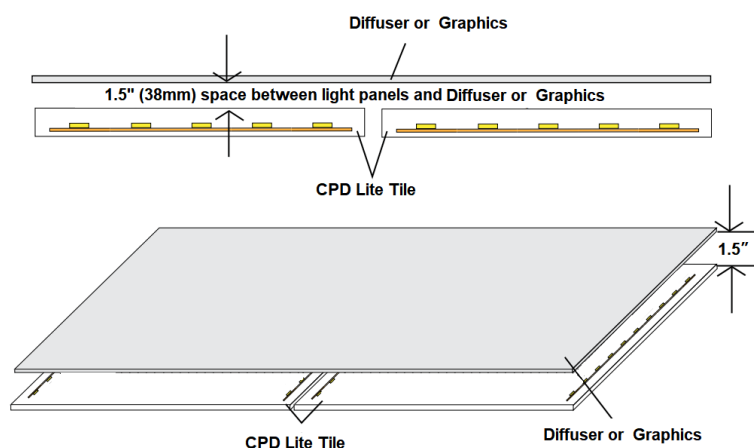
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### Specifications

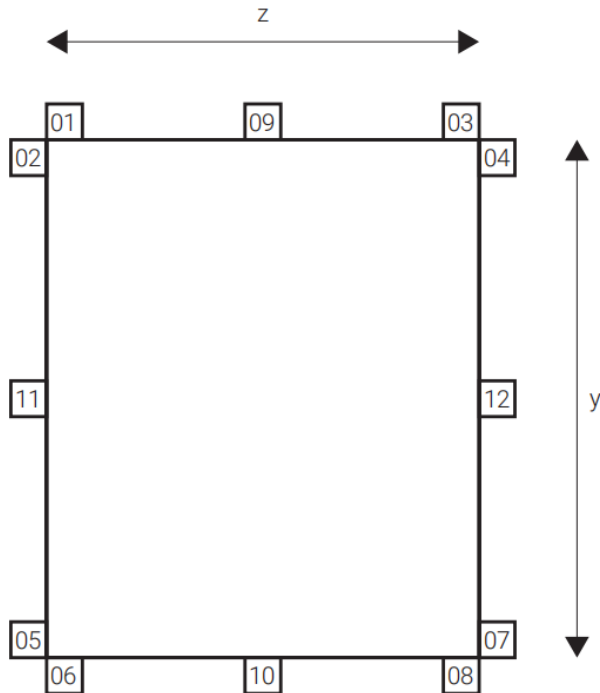
ELECTRICAL Specifications	
Input Voltage	24 volt power supply depending on your requirement.
Wattage	20W per 40 inches LED strip
Color	RGB (connect with WIFI controller)
Wire size	20AWG (Pull-resistant design wire)
Shape and size	Can be customized any shape, largest size is 4'x8'
Thickness	LGP 13/32" (10mm) for indoor, 1/2"(12mm) for outdoor
Weight	<b>10mm</b> 2.43lbs / sq ft (11.92 kg / sq m) • <b>12mm</b> 2.92 lbs / sq ft (14.3kg / sq m)
Wire coming from panel	3" DC wire + 10' extension cord
Material Front Side of Panel	Clear pure virgin acrylic panel or with diffuser (optional)
Material Back Side of Panel	High quality reflecting sheet
Catalog Designation	Non- All custom shapes, no stock items <b>'CPD LITE TILE'</b>
Power Supply	UL Listed DC adaptor
Connection from panel to Power supply	Plug & Play. Male plug on power supply / 4 cables coming out from panel

### Illuminating larger area (above 2 panels)



When placing panels side by side to create a larger illuminated area, you may see a bright line (LED illuminated edge) or dark line (non-illuminated edge) where they meet. These areas show differently depending on the overlay material being used. We recommend testing the material to be backlit in order to determine if additional diffusion or space is necessary.

### Panels Wiring



1, 3, 6, 8: Corner Exit short side

2, 4, 5, 7: Corner exit long side

9, 10: Side Exit short side

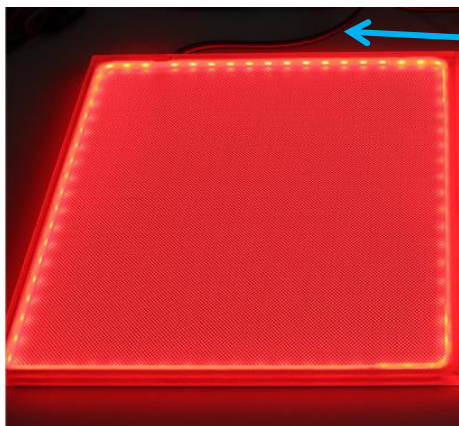
11, 12: Side exit long side

Chose wire exit(s) from above:

12V - Wattage <50W 1 wire; Wattage >50W 2 wires

24V - Wattage <75W 1 wire; Wattage >75W 2 wires

• Please consult with CSR if panel wattage is >100W



4 wires coming out from panel

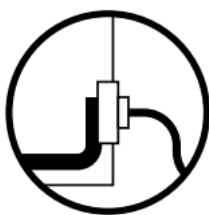
R

G

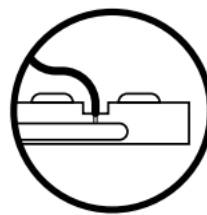
B

+

24V



Power cord exits from edges



Power cord exits from the rear  
side of the light panel





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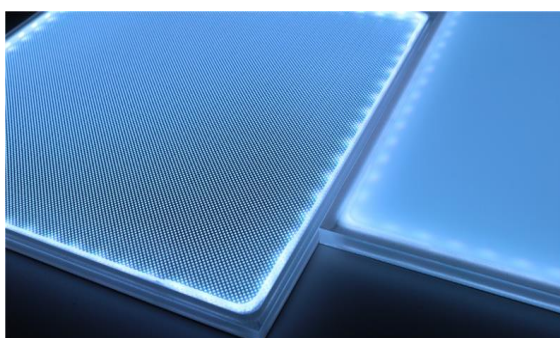
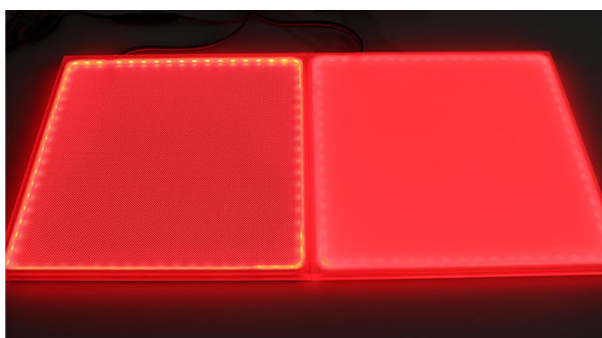
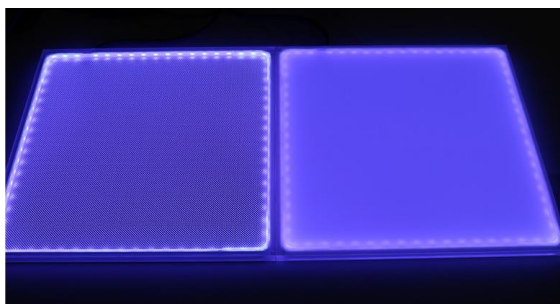
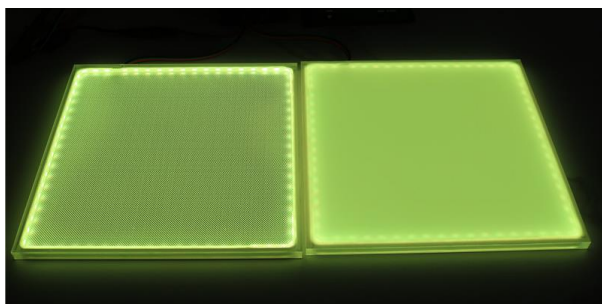
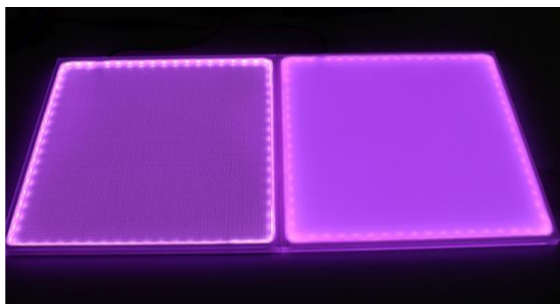
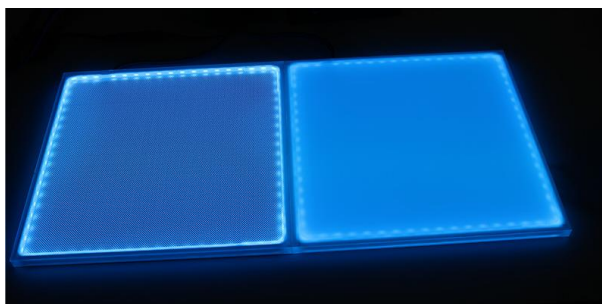
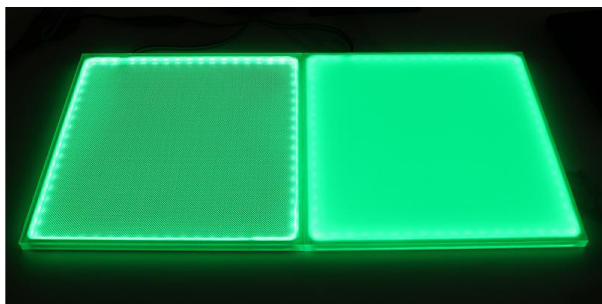


## Light panel options

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### Option 1. Without/With diffuser

Raw CPD Lite Tile /CPD Lite Tile with diffuser



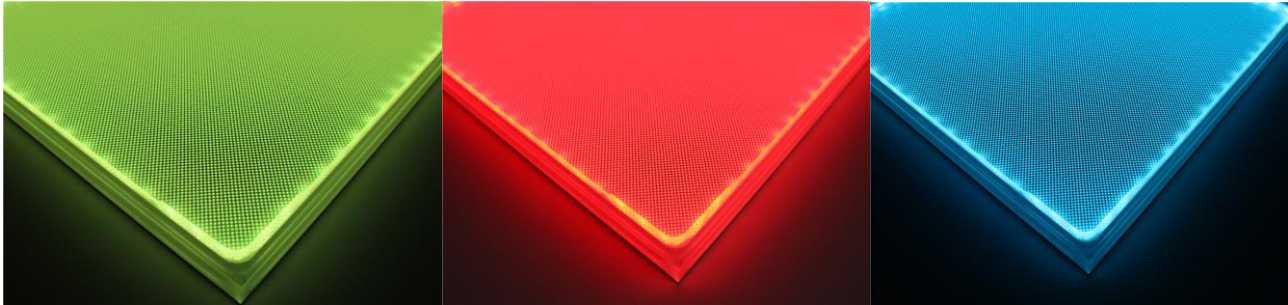
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Option 2 Indoor & Outdoor

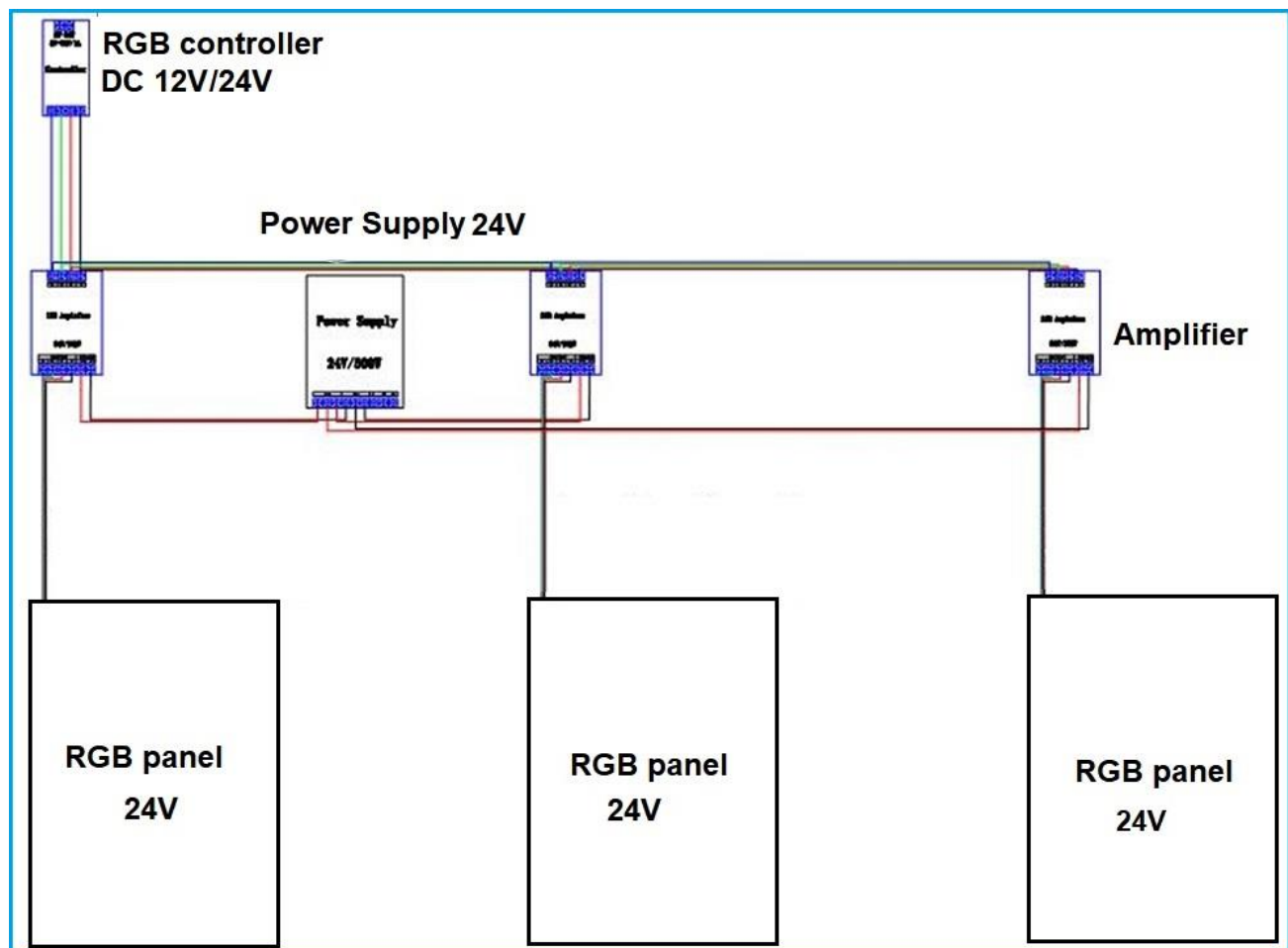
Panel thickness 2/5"(10mm) for indoor use, 1/2"(12mm) for outdoor use



\*RGB panel should connect with controller and amplifiers\* *see accessories list*

RGB Wiring

\*RGB panel should connect with controller and amplifiers\* *see accessories list*





The function of each button as below:

Name of key	Instruction	Remarks
ON/OFF	ON or OFF in any time	
Pause	Pause or Continue	
Mode	The mode will go to next, when you touch the key each time	9 modes in total.
Speed/Brightness +	The Speed/Brightness will add, when you touch the key each time	Speed for dynamic modes, Brightness for static modes.
Speed/Brightness -	The Speed/Brightness will subtract, when you touch the key each time	Speed for dynamic modes, Brightness for static modes.
Color Ring	Touch any color which you want	

9 modes as below:

No	Patterns	Remarks
1	Static warm white	Brightness is adjustable, speed is unadjustable
2	Static cool white	
3	White breath	Speed is adjustable, brightness is unadjustable
4	Seven-color jumpy changing	
5	Seven-color smooth	
6	Seven-color fade	
7	R/B crossfade	
8	B/G crossfade	
9	G/R cross fade	



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### Accessories and options

### CPD UL Listed Dimmable Power Supply- UL#E528159

JBOX series: IP66 for wet, damp and dry		
<b>SMT-012-060VTHV2</b> 12VDC 60W Triac dimming		
<b>SMT-012-100VTHV2</b> 12VDC 100W Triac dimming		
<b>SMT-012-150VTHV2</b> 12VDC 150W Triac dimming		
<b>SMT-012-200VTHV2</b> 12VDC 200W Triac dimming		
<b>SMT-012-300VTHV2</b> 12VDC 300W Triac dimming		
Linear series:		
<b>SMT-012-150VTSW</b> 12VDC 150W Triac dimming		<b>IP67</b> 
<b>SMT-012-150VWSW</b> 12VDC 150W Non dimming		<b>IP67</b> 
<b>SMT-012-150VDSP</b> 12VDC 150W 0-10V dimming		<b>IP22</b> 





### Other options

Meanwell power supply (UL listed)		
Indoor use (no fan)	GST120A-	 GST120A - 12V 15V 20V 24V 48V R7B/P1M
Outdoor use (no fan)	LPV-150-	 LPV -150- Blank/L 12V 15V 24V 36V 48V
Controllers		
Online dimmer	DC12-24V (8A/30A/72A)	
RGB controller	DC24V	
Tunable controller	DC24V	
Amplifier	DC5V-24V (10A*3)	

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## Applications

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