



RGBW LED Curtain IP 20  
**Part#:** 411800-965-24-6.0

Job Information <i>Fill out project details for this product below</i>			
<b>Project</b>		<b>Location</b>	
<b>Contact</b>		<b>Date</b>	
<b>Product Number</b>		<b>Fixture Type</b>	

Capable of RGB Full Color and White Color.  
 A Reliable RGBW 4-in-1 5050 LEDs with High Performance.



## APPLICATIONS

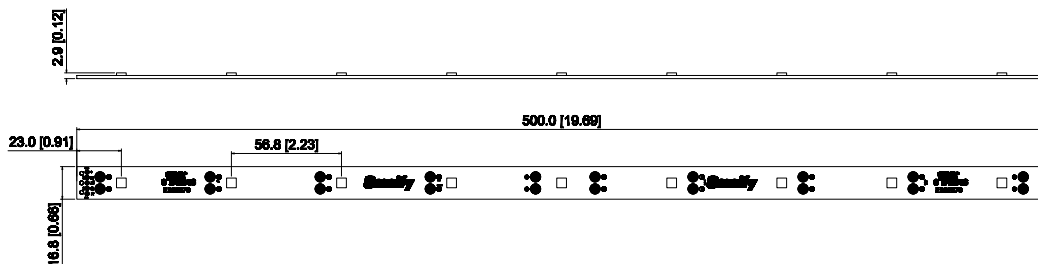
- Backlighting
- Full-Color Graphic Lightboxes
- Large Formats
- Backlit Graphics

## OVERVIEW

### FRONT VIEW

### PROFILE VIEW

Unit: mm (Inch)





# LumiCurtain™ RGBW



RGBW LED Curtain IP 20  
**Part#:** 411800-965-24-6.0

## SPECIFICATIONS

### PHYSICAL SPECIFICATIONS

<b>Part Number</b>	411800-965-24-6.0
<b>Model#</b>	RGBW Curtain
<b>CRI</b>	80+
<b>Light Color</b>	6500 K • Red • Green • Blue
<b>Lumen</b>	<b>W</b> 70 (lm/pcs) • <b>R</b> 22 (lm/pcs) • <b>G</b> 50 (lm/pcs) • <b>B</b> 10 (lm/pcs) • <b>RGBW</b> 150 (lm/pcs)
<b>Mounting</b>	Fixed by screw
<b>Operating Temperature</b>	-20°C (-4°F) ~ +60 °C (+140 °F)
<b>LED Quantity</b>	9
<b>Size</b>	19.7" (500 mm) L x 0.7" (16.8 mm) W
<b>Maximum Run</b>	15 pcs
<b>Thickness</b>	0.1" (2.9 mm)
<b>Diffusion Depth</b>	Minimum 4 inches from the mounting surface

### ELETRICAL SPECIFICATIONS

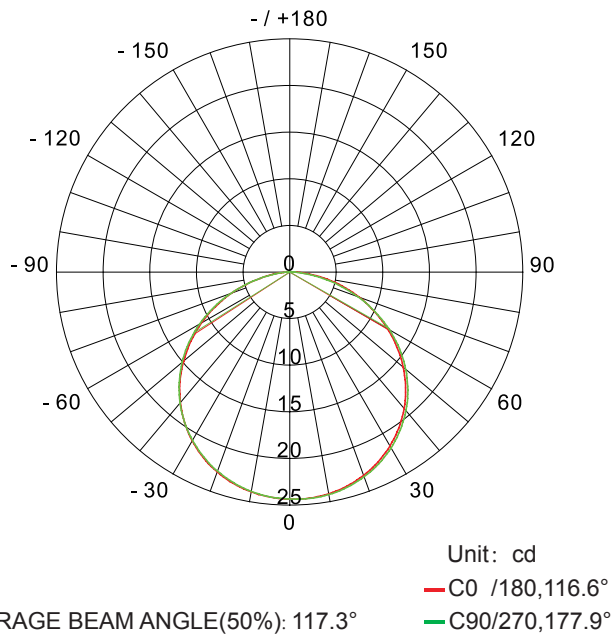
<b>Input Voltage</b>	24V DC
<b>Power Consumption</b>	<b>W</b> 1.5 (W/pcs) • <b>R</b> 1.5 (W/pcs) • <b>G</b> 1.5 (W/pcs) • <b>B</b> 1.5 (W/pcs) • <b>RGBW</b> 6 (W/pcs)
<b>Wire Size</b>	14 AWG plenum wire
<b>Wiring</b>	Bare Lead
<b>Certification</b>	UL Recognized Component

NOTE:

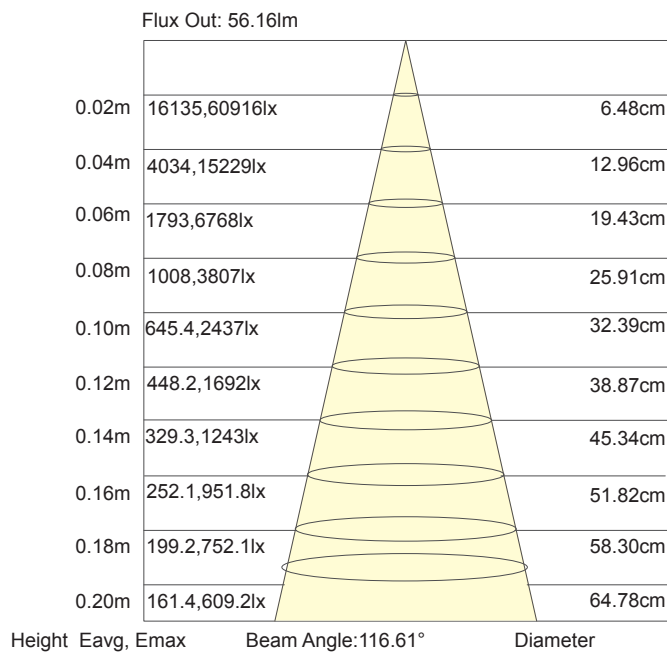
1. Testing temperature: 25±2°C
2. The above data are typical values. The actual data of each single product may differ from the typical values. The data is subject to change without notice.
3. Luminous flux is tested when lighting on single color.
4. Different color temperature will make luminous flux different
5. Luminous flux & power tolerance within ±10%



## LUMEN INTENSITY DISTRIBUTION



## AVERAGE ILLUMINATION





## ACCESSORIES AND OPTIONS

### POWER ADAPTORS OPTIONS

#### Hardwire

951012	24V	60W
950037	24V	60W
950038	24V	96W
950039	24V	150W

#### 5 in 1 Dimming Driver

951004-24-096	24V	96W
951006-24-192	24V	2x96W

\* Other power options available on request

### CONTROLLER OPTIONS

#### RGBW DMX

#### 12V/24V x3CH

970032	24V	Max. 360W
970033	24V	Max. 360W

#### DMX Wall Controller

970042	RGBW	12-24VDC
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#### Power Repeater

970037	12-36VDC	4x (60-180)W
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\* Other controller options available on request

## ORDER INFORMATION

Product #	Color Temperature	Voltage	Wattage
411800	965-RGBW 6500 K	24-24V DC	6 W/Module

### EXAMPLE

#### 411800-965-24-6.0

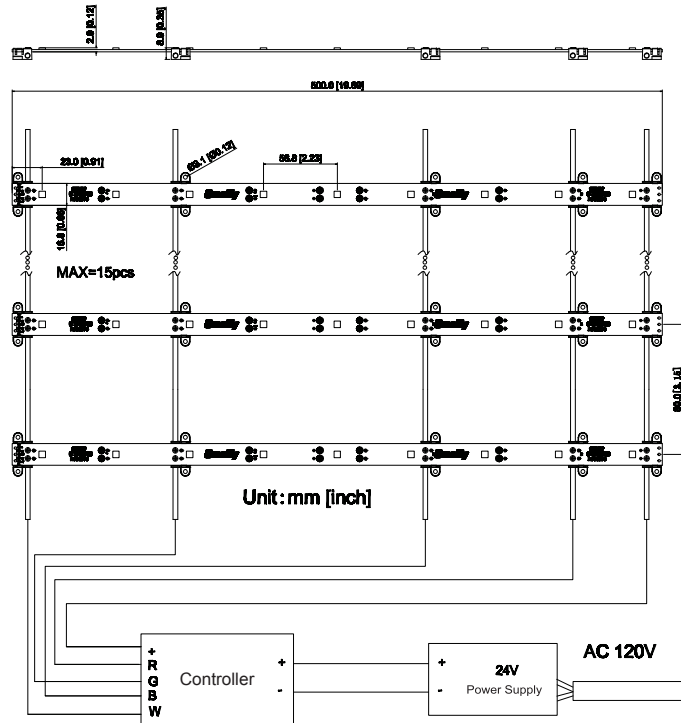
The specification number immediately above can be deconstructed as follows:

- RGBW Curtain; ColorTemperature-96500K; Voltage-24V; Wattage-6W/Module.

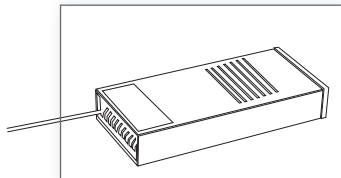


## INSTALLATION

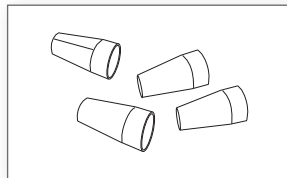
### CONNECTION DIAGRAM



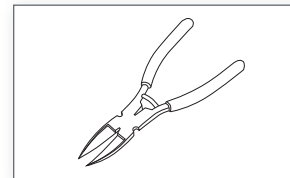
### PRODUCTS AND TOOLS



LED power supply



Connection terminal

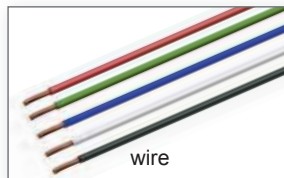


Diagonal pliers

#### Accessory (optional)



snap connector



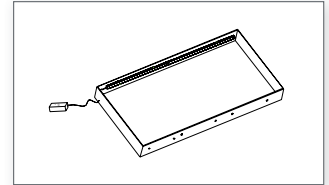
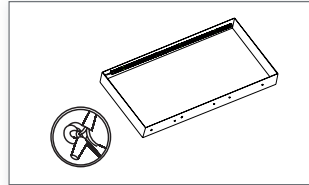
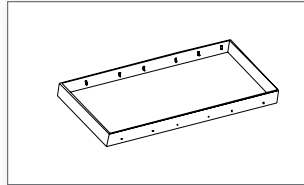
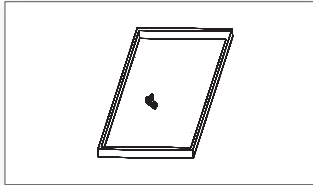
wire



RGBW LED Curtain IP 20

Part#: 411800-965-24-6.0

## INSTALLATION METHODS AND STEPS



1. Clean the mounting surface.
2. Arrange the mounting space.
3. For bare wire connection, please use terminals.  
Treat the thread with insulation, waterproof, and anti-corrosion arrangement as it cannot pull out by hands.
4. Check and ensure correct installation, and fix the product with screws, then power on for self-test.

Screw to avoid welding plate, avoiding short circuit

When fastening the screw, make sure to add plastic gaskets to insulate the screw from the LED panel.

## ATTENTION BEFORE INSTALLATION

Before installation, check that the product parameters are consistent with the requirements (Seeing product specifications or product labels) Load voltage, current, power and power supply should be matched with the product.

Follow the instructions of wiring diagram (first connect the load and then the power supply) to avoid short circuit.

Make sure the correct connection of positive and negative poles between products and power supply. Otherwise, the light will not be on.

Make sure the power cord firmly screwed into the terminal and it should not be pulled out by hands.

The terminal should have insulation, waterproof and anti-corrosive treatment.



## COMMON FAULTS AND TROUBLESHOOT

Quick Guide		
Problems	Reasons	Solutions
All LEDs can not light on.	No electric supply.	Power on
	Automatic power protection from the open or short circuit in output of the power supply.	Fix the short circuit problem.
	Wrong connection of power supply.	
LEDs can not light on partly.	Some switching mode power supplies are not powered.	Check the power supply system to fix it.
	Power supply line error.	
	Mistaken wire connection of some of products	Correctly connection
Brightness of LED is inconsistent Or insufficient.	Power overloaded.	Replace with more powerful power
	Power supply circuit excessive consumption.	Make sure the working voltage of the product within $\pm 5\%$ of standard voltage, or keep balance by circuit power consumption.
	Excessive quantities in series connection of the product	Reduce the quantities of the product in series connection to meet requirement.
LED flicker.	Connection point fault.	Remove bad connection point.
	Switching power supply failure.	Replace a new power supply.
	Wrong Installation or use of products	Please follow the instructions

### Warning

- Do not disassemble or retrofit the light. Do not touch the surface of the light with a sharp object.
- Do not do live-line working during installation, especially for high voltage product.
- Do not use any organic chemical solvents.
- Use neutral glass adhesive to fix this product and it needs to be dried 4 hours in the open environment after operation.
- Treat the ends and the circuit connection points that are not connected to the main line with insulation, waterproof, and anti-corrosion in the installation.
- Use 14AWG (0.75mm<sup>2</sup> cross-sectional area) or thicker core wire to avoid adverse consequences caused by overheating, if the power cable need to lengthen.
- Make sure the input voltage meets the requirements and lines are connected correctly before lighting on.
- This product is for signage, and do not use as general lighting.
- Series connection within the max run.
- The length of the power cable between the power supply and the led strip should not exceed 2 meters. Otherwise, large circuit loss will lead to inconsistent brightness.
- Installation, maintenance and repair should be operated by a qualified technician

## STATEMENTS AND RECYCLING

### Statements:

Repair should be operated by a qualified technician, if the external circuit or main line of this product is damaged.  
 The parameters given in this manual are typical values and for reference only.  
 All illustrations and drawings in this manual are for reference.  
 This product is subject to change without notice.

### Recycling:

LED lighting products belongs to electronic products, please do recycling treatment according to the relevant WEEE directives.