LumiCurtain™ RGBW IP65

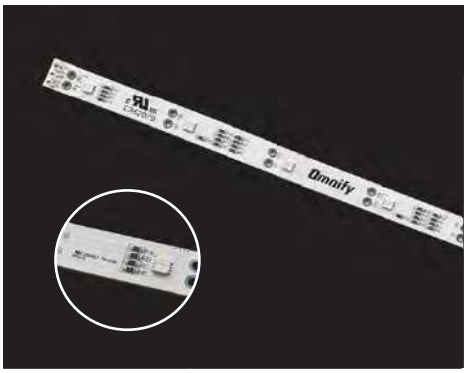
5 YEAR WARRANTY | IP65 | c UL us LISTED | Built with OmniChip

Water resistant RGBW Curtain

Part#: *411900-965-24-6.0*

Job Information *Fill out project deitails for this product below*			
Project		**Location**	
Contact		**Date**	
Product Number		**Fixture Type**	

Capable of RGB Full color and White color.
Reliable RGBW 4-in-1 5050 LEDs with High Performance.
24V DC Input, 6 Watt per piece .



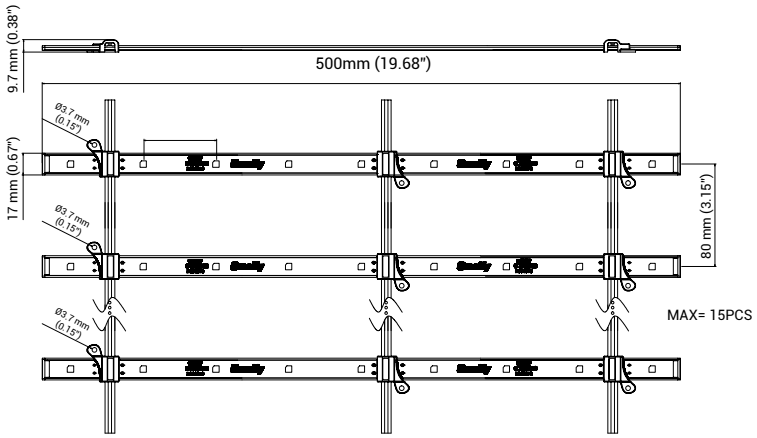
APPLICATIONS

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

OVERVIEW

RGBW BAR(IP65)

Unit: mm (Inch)



LumiCurtain™ RGBW IP65

5 YEAR WARRANTY · IP65 · c UL us LISTED · Built with OmniChip

Water resistant RGBW Curtain

Part#: *411900-965-24-6.0*

SPECIFICATIONS

PHYSICAL SPECIFICATIONS

Part Number	411900-965-24-6.0
Model #	RGBW Bar
Light Color	White (6500 K) Red Green Blue
CRI	80+
Beam Angle	120 °
Lumens (lm/pcs)	**W** 70 (lm/pcs) • **R** 22 (lm/pcs) • **G** 50 (lm/pcs) • **B** 10 (lm/pcs) • **RGBW** 150 (lm/pcs)
Operating Temperature	-20 °C (-4 °F) ~ +60 °C (+140 °F)
Environment	Indoor / Outdoor Wet Rated
Mounting	Fix by screws
Size of Bar	(IP65) 19.68" (500 mm) X 0.67"(17 mm)
Max Run	15 pcs
LED Quantity	9 LED
Diffusion Depth	Minimum 4 inches from the mounting surface

ELECTRICAL SPECIFICATIONS

Input Voltage	24V DC
Power Consumption (W/pcs)	**W** 1.5 (W/pcs) • **R** 1.5 (W/pcs) • **G** 1.5 (W/pcs) • **B** 1.5 (W/pcs) • **RGBW** 6 (W/pcs)
Wiring	18 AWG Bare Wire
Certification	UL recognized component

Note:

1. Test environment temperature : 25±2°C.
2. The above data is 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%

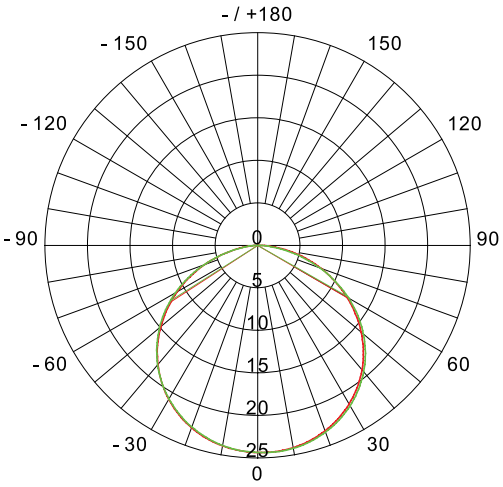
LumiCurtain™ RGBW-IP65

5 YEAR WARRANTY · IP65 · cULus LISTED · Built with OmniChip

Water resistant RGBW Curtain

Part#: *411900-965-24-6.0*

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



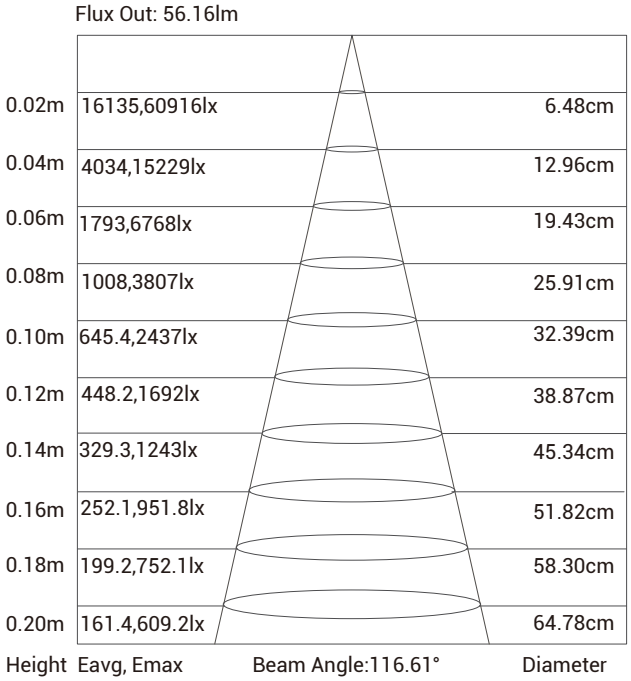
Unit: cd

C0 /180,116.6°

C90/270,177.9°

AVERAGE BEAM ANGLE(50%) : 117.3°

AVERAGE ILLUMINATION



LumiCurtain™ RGBW IP65

5 YEAR WARRANTY · IP65 · cULus LISTED · Built with OmniChip

Water resistant RGBW Curtain

Part#: *411900-965-24-6.0*

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

Power Repeater		
970037	12-36VDC	4x (60-180)W

**** Other controller options available on request***

LumiCurtain™ RGBW IP65

5 YEAR WARRANTY · IP65 · cULus LISTED · Built with OmniChip

Water resistant RGBW Curtain

Part#: *411900-965-24-6.0*

ORDER INFORMATION

Product #	Color Temperature	Voltage	Wattage
411900	965-RGBW 6500K	24-24V DC	6 W/Module

EXAMPLE

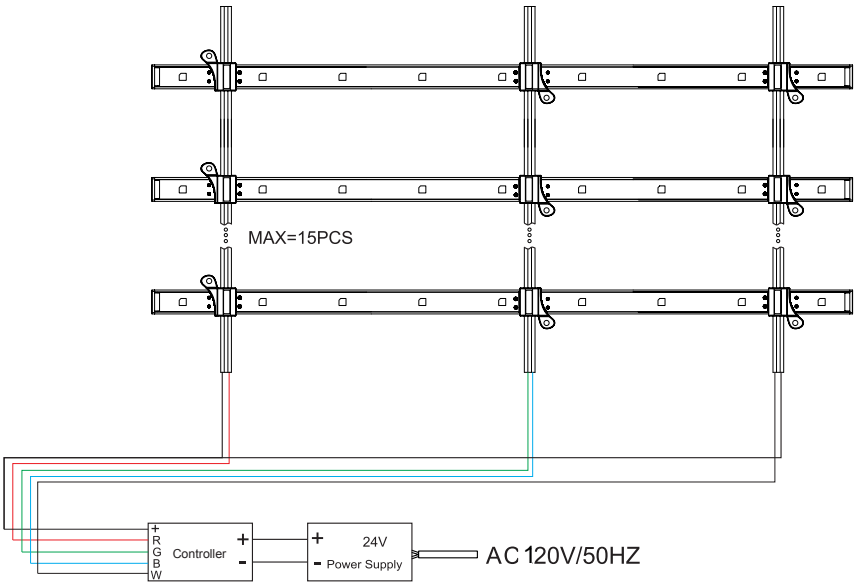
411900-965-24-6.0

The specification number immediately above can be deconstructed as follows:

- RGBW Curtain IP65; ColorTemperature-RGBW6500K;Voltage-24V;Wattage-6W/Module.

INSTALLATION

CONNECTION DIAGRAM



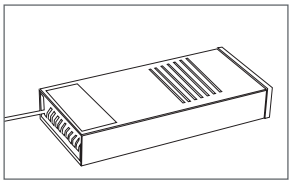
LumiCurtain™ RGBW IP65

5 YEAR WARRANTY · IP65 · c UL us LISTED · Built with OmniChip

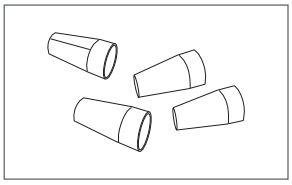
Water resistant RGBW Curtain

Part#: *411900-965-24-6.0*

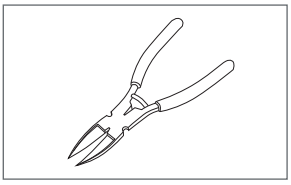
PRODUCTS AND TOOLS



LED power supply

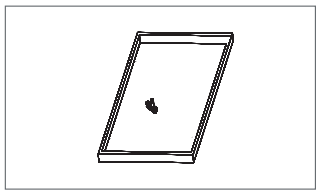


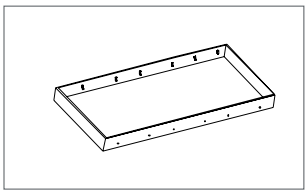
Connection terminal

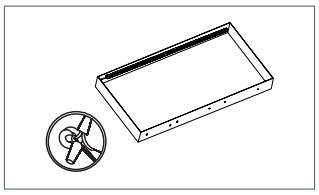


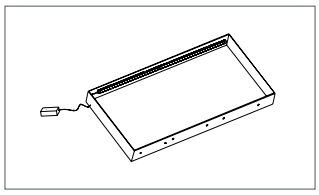
Diagonal pliers

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.

LumiCurtain™ RGBW IP65

5 YEAR WARRANTY · IP65 · c UL us LISTED · Built with OmniChip

Water resistant RGBW Curtain

Part#: *411900-965-24-6.0*

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 ±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 (0.75mm² 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 qualifiedtechnician

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.