

LPS-RGBW CUSTOM PANEL

CUSTOMIZABLE RGBW LED SHEET PANEL LIGHTING SYSTEM

CORE
ARCHITECTURAL
LIGHTING

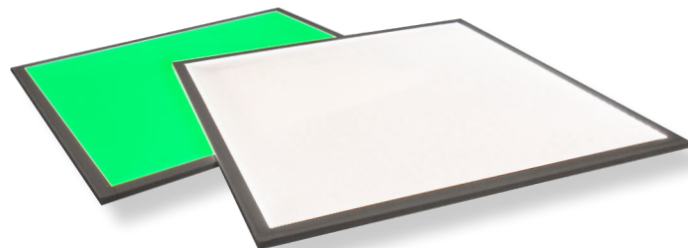
UPDATED: 08.30.24

Project _____

Location _____

Quote/ Ref # _____

Manufactured with high-quality light guide plate with advanced laser dot technology for uniform and seamless illumination and maximum brightness. Suitable for: Hospitality, Retail, Residential, Bars, Restaurants, Accent Lighting, Cove lighting, Millwork, Branding, Signage and Custom Fixtures.



SPECIFICATIONS

INPUT VOLTAGE	12V 24V DC
POWER CONSUMPTION	5.2W/ Sq Ft.
THICKNESS	8mm
LUMEN OUTPUT	95 Lm/ W
CRI	90+
COLOR TEMPERATURE	RGB+30K/ RGB+41K
WIRE SIZE	22 AWG 5 Wire
MAXIMUM SIZE	118 in. x 59 in. (L x W)
WEIGHT	1.95 lbs/ sq ft.
OPERATING VOLTAGE	120-277V
SURFACE LUX	2,000 - 10,000 LUX
UNIFORMITY	>85%
DIMMING	DMX
OPERATING TEMPERATURE	-22°F (-30°C) to 104°F (40°C)
ENVIRONMENT	Dry/ Damp Location only (Indoor)
LUMEN MAINTENANCE	50,000 Hrs.

FEATURES

- Available in 12V or 24V DC
- Dimmable to 1%
- 8mm Thickness
- Any shape or size up to 118" x 59" (L x W)

* Approved for closet/ storage space installation per NEC 410. 16(A)(3) and 410. 16(C)(5)

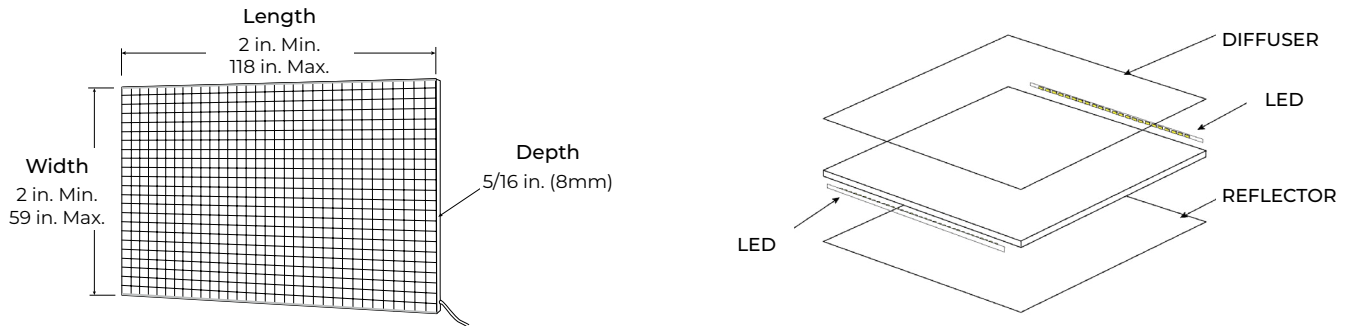


MODEL	COLOR TEMP	SIZE	LENS	POWER FEED	VOLT
LPS	RGBW30K RGB+3000K	*XX Custom	*FR Frosted Diffuser	<u>Side Feed</u> A1 A2 A3 A4 A5 A6 A7 A8	12V 12V
	RGBW41K RGB+4100K		CL Clear Acrylic LGP	<u>Back Feed</u> B1 B2 B3 B4	24V 24V DC
		* L x W (length x width) Please consult factory	* Standard Model	See page 3 for powerfeed reference	

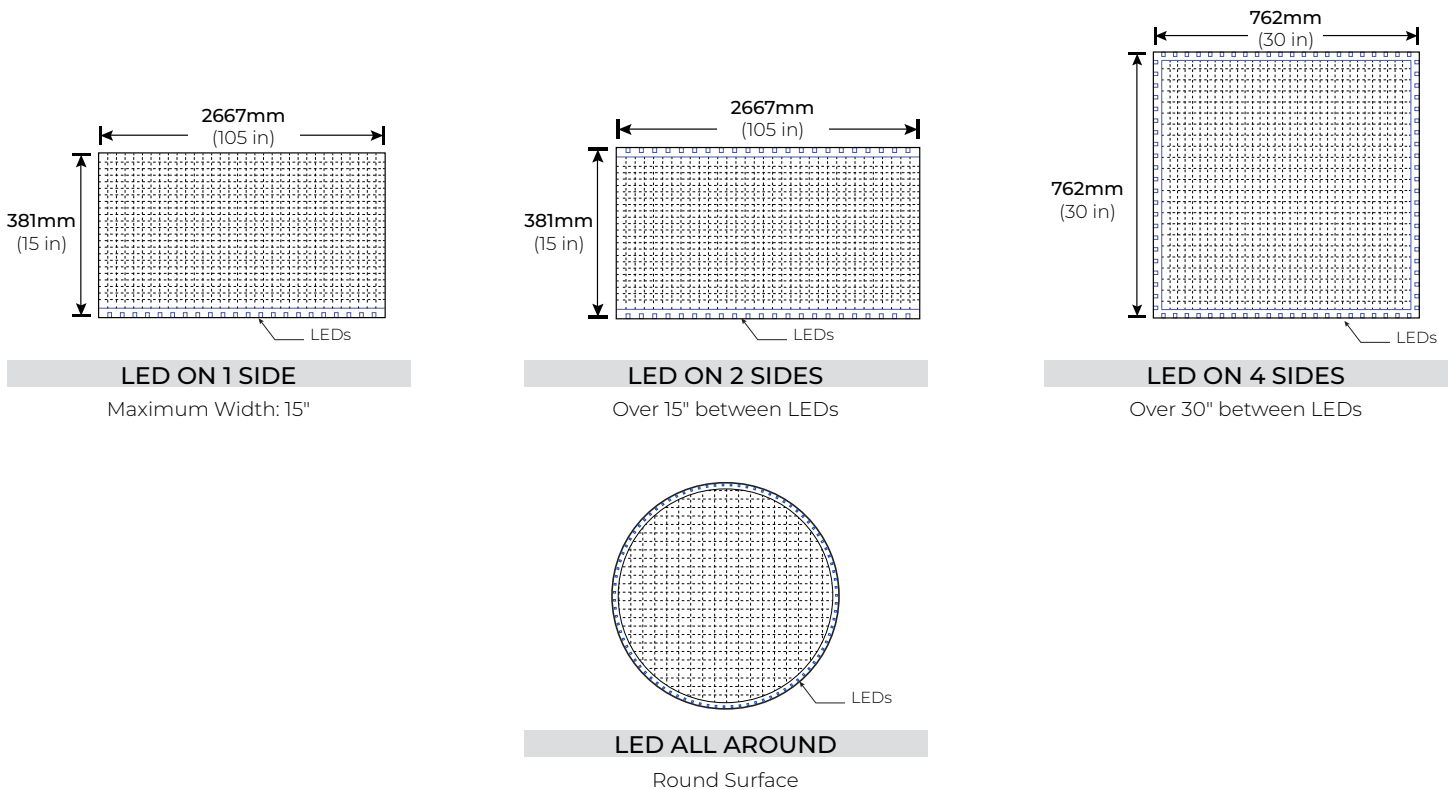
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DIMENSIONS



SURFACE ILLUMINATION



ILLUMINATION GUIDE

SIZE	LED STRIP	SURFACE BRIGHTNESS	WATT
6 in. x 6 in.	1 Side	6,000 Lx	2W
12 in. x 12 in.	1 Side	3,000 Lx	4W
24 in. x 24 in.	2 Sides	3,200 Lx	15W
36 in. x 36 in.	2 Sides	2,600 Lx	23W
Ø 12 in.	All Around	13,000 Lx	11.2W
Ø 24 in.	All Around	5,400 Lx	24W
Ø 36 in.	All Around	4,500 Lx	36W

LPS-RGBW CUSTOM PANEL

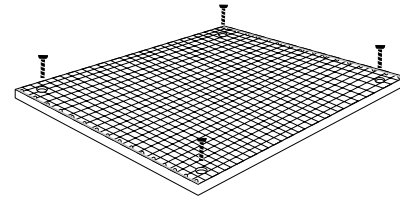
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MOUNTING ACCESSORIES

Hardware provided by others.

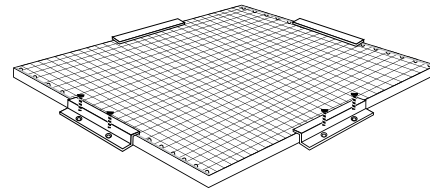
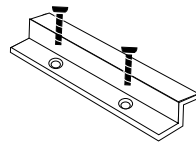
SCREWS

*Holes must be drilled by Omnify during the manufacturing process according to specification drawings.

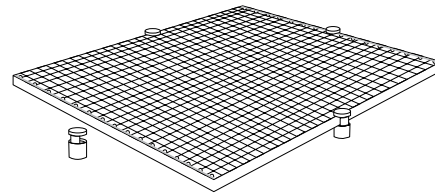
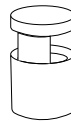


Z-CLIPS

*Screw Z-Clips to the back of the frame and to the wall.

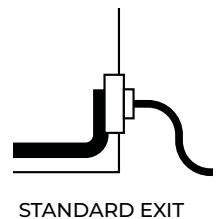
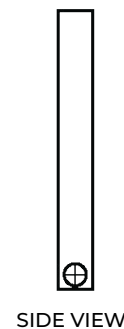
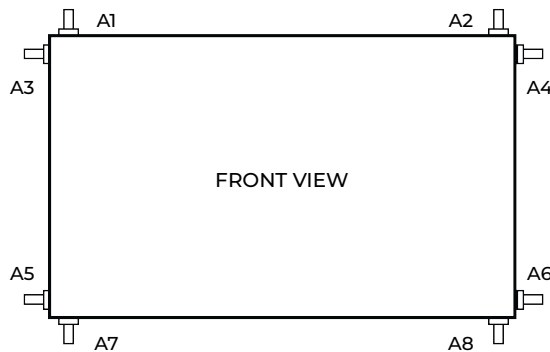


MIRROR CLIPS

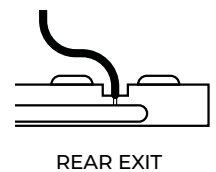
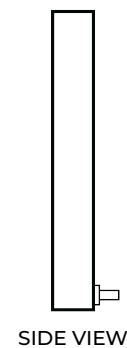
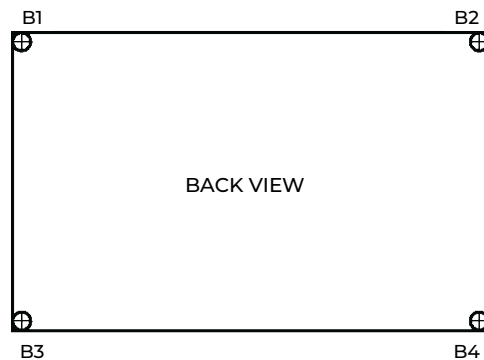


POWER FEED OPTIONS

TYPE A SIDE FEED



TYPE B BACK FEED



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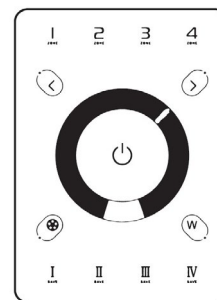
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DMX CONTROLLERS

RGB-CT600

MULTI-FUNCTION RGBW WALL CONTROLLER

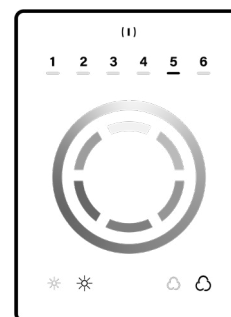
INPUT VOLTAGE	5V DC, 1A
OUTPUT SIGNAL	RF 2.4GHZ + DMX512
CONTROL	4 ZONES
COLOR OPTIONS	Black/ White
WORKING TEMP	-20°C ~ 40°C
DIMENSIONS	LxWxH (5.19"x7.08"x1.38")



RGB-SCW4

WiFi DMX WALL CONTROLLER

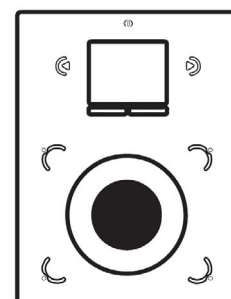
INPUT VOLTAGE	5 - 10V DC, 06A
OUTPUT SIGNAL	DMX512 (x2)
PROGRAMMABILITY	PC/ MAC
COLOR OPTIONS	Black/ White
CONNECTIONS	USB/ 8dry contact ports/ Open drain output (for relay)
MEMORY	Built-In Flash
WORKING TEMP	-10°C ~ 45°C
DIMENSIONS	LxWxH (5.75"x4.17"x0.43")



RGB-SDE3

WiFi DMX WALL CONTROLLER

INPUT VOLTAGE	6V DC, 0.6A
OUTPUT SIGNAL	DMX512 (x2)
PROGRAMMABILITY	PC/ MAC/ Tablet/ Smartphone
COLOR OPTIONS	Black/ White
CONNECTIONS	USB/ Ethernet/ RS232/ CLock/ 8dry contact ports/ 5V output relay
MEMORY	MicroSD Card
WORKING TEMP	-20°C ~ 40°C
DIMENSIONS	LxWxH (5.75"x4.17"x0.43")



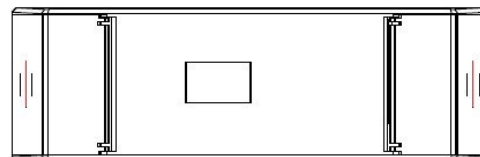
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DMX DECODERS

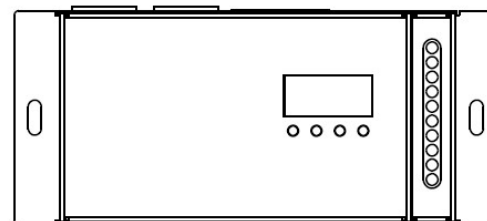
RGB-DMX-4C-RJ45 4-CHANNEL DMX DECODER

INPUT VOLTAGE	12V-24V DC
OUTPUT CURRENT	5A X 4CH
OUTPUT WATTAGE	60W(12V), 120W(24V)
OUTPUT CHANNELS	4
DIMENSIONS	LxWxH (7"x1.77"x0.75")



RGB-DMX-5C-XLR 5-CHANNEL DMX DECODER

INPUT VOLTAGE	12V-24V DC
OUTPUT CURRENT	8A X 5CH
OUTPUT WATTAGE	5 x (96W ~ 192W)
OUTPUT CHANNELS	5
DIMENSIONS	LxWxH (6.45"x2.87"x1.5")



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NON-DMX CONTROLLERS

RGB-CT550

RGBW WIRELESS RECEIVER / CONTROLLER SYSTEM

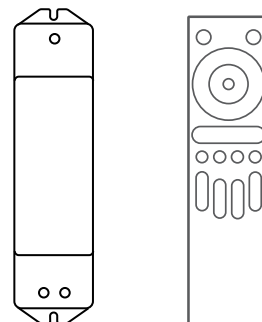
REMOTE DISTANCE	100 Ft. (Line of Sight)
FREQUENCY	2.4 GHz
DIMENSIONS	LxWxH (6.38"x1.65"x0.59")
WEIGHT	0.44lbs.

RGB-CT550-RX

RGBW WIRELESS RECEIVER / CONTROLLER SYSTEM

INPUT VOLTAGE	DC5V ~ DC24V
POWER CAPACITY	100W (5V) 240W (12V) 480W (24V)
OUTPUT CURRENT	5A per Channel (20A Total)
WORKING TEMP	-30°C~55°C (-22°F~131°F)
DIMENSIONS	LxWxH (6.89"x1.73"x1.18")

** RGB-CT500-RX (Sold Separately)*



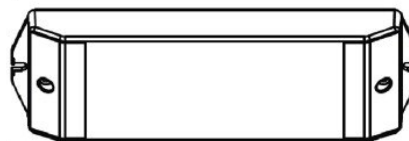
** RGB-CT500-RX
(Sold Separately)*

RGB-CT700

MASTER RGBW WIFI CONTROLLER

INPUT VOLTAGE	12-24V DC
OUTPUT TYPE	Constant Voltage
POWER CAPACITY	288W (12V) 384W (24V)
OUTPUT CURRENT	5A per Channel (20A Total)
WORKING TEMP	-4°F (-20°C) ~ 122°F (50°C)
DIMENSIONS	LxWxH (7 x1.8 x 0.8")

** Paired with RGB-CT705ZR (Sold Separately)*



RGB-CT705ZR

SLAVE RGBW WIFI CONTROLLER

INPUT VOLTAGE	12-24V DC
OUTPUT TYPE	Constant Voltage
POWER CAPACITY	288W (12V) 384W (24V)
OUTPUT CURRENT	5A per Channel (20A Total)
WORKING TEMP	-4°F (-20°C) ~ 122°F (50°C)
DIMENSIONS	LxWxH (7 x0.63 x 0.71")

** Paired with RGB-CT700 (Sold Separately)*



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NON-DMX CONTROLLERS (CONTINUED)

RGB-CT840

BLUETOOTH TOUCH PANEL WALL CONTROLLER

INPUT VOLTAGE	12-24V DC
ZONES	4
CONTROL MODE	RGB RGBW
WIRELESS PROTOCOL	Bluetooth 5.0 SIG Mesh
WORKING TEMP	-20°C ~ 55°C
DIMENSIONS	LxWxH (4.7"x3"x1.2")

** Paired with RGB-CT800-RC (Sold Separately)*



RGB-CT800-RC

BLUETOOTH CONSTANT VOLTAGE LED RECEIVER

INPUT VOLTAGE	12V 24V
OUTPUT CURRENT	4Ax5CH / 5Ax4CH (20A Max)
POWER CAPACITY	240W (12V) 480W (24V)
PROGRAMMABILITY	iOS and Android
WORKING TEMP	-20°C ~ 55°C
DIMENSIONS	LxWxH (6.9 x1.7 x 1.2")

** Paired with RGB-CT840 (Sold Separately)*



COMPATIBLE NON-DIMMING DRIVERS

PSHK SERIES

NON-DIMMING CONSTANT VOLTAGE WITH JUNCTION BOX

PSHK-30W-24V	CLASS 2	6.5" X 3.6" X 1.02"
PSHK-60W-24V	CLASS 2	7.4" X 3.62" X 1.02"
PSHK-96W-24V	CLASS 2	8.66" X 3.66" X 1.61"
PSHK-150W-24V		10.24" X 4.06" X 1.81"
PSHK-200W-24V		10.24" X 4.06" X 1.81"
PSHK-288W-24V	CLASS 2	11.85" X 4.25" X 1.82"
PSHK-300W-24V		10.94" X 4.25" X 1.81"

