# LSP-80 RGB

8.8W INDOOR COLOR-CHANGING LED STRIP

Project _____

Location _____

Quote/ Ref # _____

LSP-80 RGB is an indoor rated color-changing LED strip that provides a full spectrum of color changing schemes. The LEDs' combined full color spectrum of the RGB light array produces more powerful color options that's sure to please even the most discerning lighting designer. Suitable for residential, commercial, hospitality and architectural lighting applications.
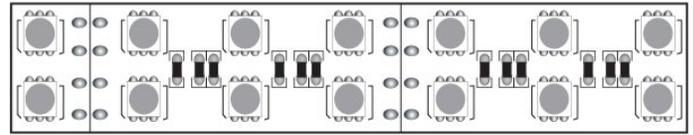
SPECIFICATIONS

INPUT VOLTAGE	24V DC
POWER CONSUMPTION	8.8W/FT
LEDS/ FT.	36 LEDS per Ft.
LUMEN OUTPUT	360 Lm/ Ft.
COLOR TEMPERATURE	RGB
DIMMING	Through RGB Controller
MAXIMUM RUN LENGTH	20 Ft.
CUTTABLE	Every 1.95 in. (49.5mm)
BINNING	1.5-Step MacAdam Elipse
OPERATING TEMPERATURE	-40°F (-40°C) to +140°F (+60°C)
BEAM ANGLE	120°
IP RATING	IP45 dry location (indoor)
CERTIFICATIONS	UL Listed
LUMEN MAINTENANCE	50,000 Hrs.

FEATURES

· 8.8W/Ft.
· 360 Lumens per Ft.
· Two rows of high-output diodes
· 20 Feet Maximum Run Length
· Field Cuttable
· Ideal for color changing accent lighting
· UL Listed

*Approved for closet / storage space installation per NEC 410. 16(A)(3) and 410.16(C)(5)

INDOOR   DIMMABLE   RGB   50,000 HRS   FIELD CUTTABLE   c(UL)us LISTED   5 YEAR WARRANTY
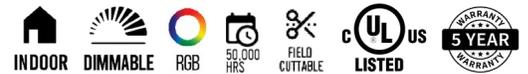
MODEL	COLOR TEMP	LENGTH	VOLTAGE	PROFILE
LSP80	**RGB** RGB	**16** 16 Ft.	**24** 24V DC	*See Page 2 for compatible profiles.*
		32 32 Ft.		
		XX Per Ft.		

* Custom color finishes require powder coating. Allow 7 days leads time.

LSP-80 RGB

8.8W INDOOR COLOR-CHANGING LED STRIP
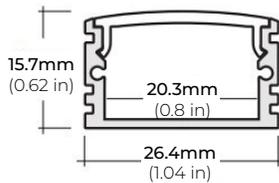
DIMENSIONS

Cuttable every 1.95" (49.5mm)

20mm (0.78 in)

16mm (0.63 in)

2.9mm (0.11 in)
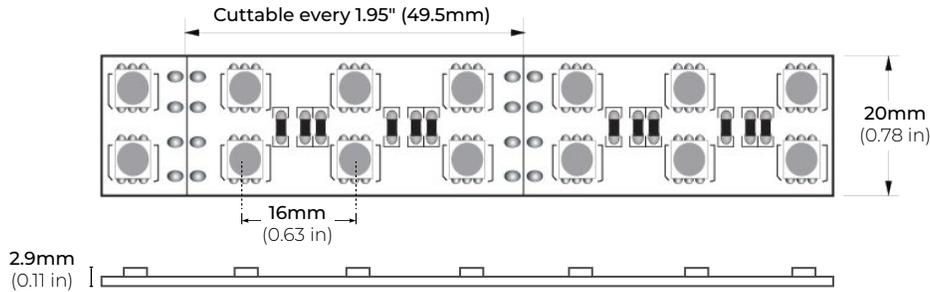
COMPATIBLE ALUMINUM PROFILES

SURFACE PROFILES

ALU-DS100
LENGTHS	39" | 78" | 84"
LENS	Clear, Frosted
FINISH	Silver

15.7mm (0.62 in)
20.3mm (0.8 in)
26.4mm (1.04 in)

ALP-90
LENGTHS	48" | 96"
LENS	Frosted
FINISH	Black | Silver

16.5mm (0.65in)
21.3mm (0.84in)
28mm (1.1 in)
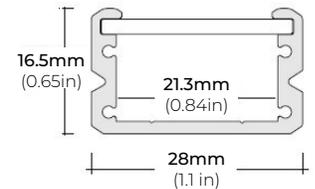
ALP-130
LENGTHS	49" | 84" | 98"
LENS	Frosted
FINISH	Silver | Black

21.6mm (0.85 in)
20mm (0.79 in)
27.9mm (1.1 in)

ALP-140
LENGTHS	48" | 98"
LENS	Frosted
FINISH	Silver

34.9mm (1.37 in)
30.9mm (1.22 in)
34.9mm (1.37 in)
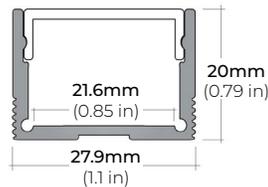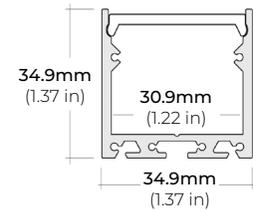
ALP-160
LENGTHS	49" | 98"
LENS	Frosted
FINISH	Silver
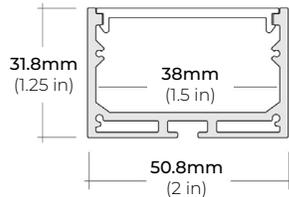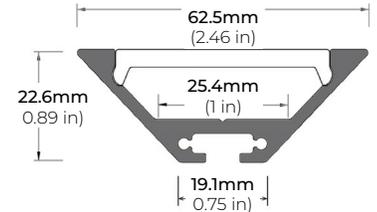
31.8mm (1.25 in)
38mm (1.5 in)
50.8mm (2 in)

ALP-190
LENGTHS	48" | 98"
LENS	Frosted
FINISH	Silver

62.5mm (2.46 in)
25.4mm (1 in)
22.6mm (0.89 in)
19.1mm (0.75 in)

ALP-230N
LENGTHS	49" | 98"
LENS	Frosted
FINISH	Silver

34.5mm (1.36 in)
69.8mm (2.75 in)
53.8mm (2.12 in)

ALP-310N
LENGTHS	49" | 98"
LENS	Frosted
FINISH	Silver

79mm (3.11 in)
77mm (3.03 in)
60.2mm (2.37 in)
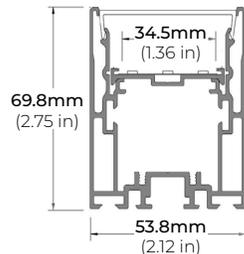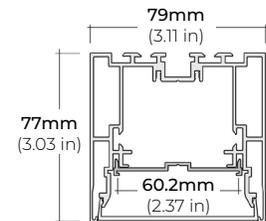
* For more compatible profiles, visit corelightingusa.com

RECESSED PROFILES

ALP-230RN
LENGTHS	49" | 98"
LENS	Frosted
FINISH	Silver
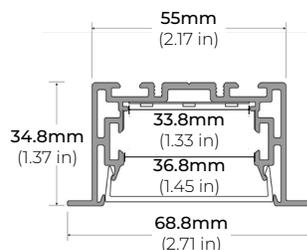
55mm (2.17 in)
33.8mm (1.33 in)
34.8mm (1.37 in)
36.8mm (1.45 in)
68.8mm (2.71 in)

ALP-330RN
LENGTHS	49" | 98"
LENS	Frosted
FINISH	Silver

79.6mm (3.14 in)
34.8mm (1.37 in)
52.8mm (2.08 in)
93.7mm (3.69 in)
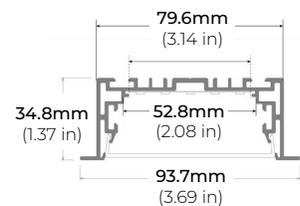
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LSP-80 RGB

## 8.8W INDOOR COLOR-CHANGING LED STRIP

DMX CONTROLLERS

All DMX Controllers require a DMX Decoder and Non-Dimming Driver.
Please refer for page 4 and 6 for compatible options.

### 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")
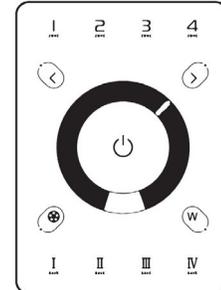
RGB-SCW4
WiFi DMX WALL CONTROLLER

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")
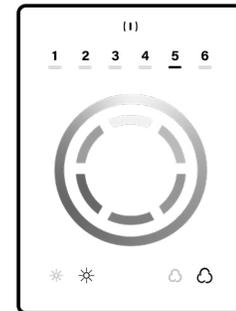
RGB-SDE3
WiFi DMX WALL CONTROLLER

|	
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")
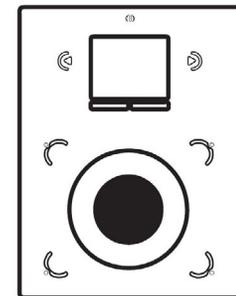
8.8W INDOOR COLOR-CHANGING LED STRIP

DMX DECODERS

All DMX Decoders require a DMX Controller and Non-Dimming Driver.
Please refer for page 3 and 6 for compatible options.

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

INPUT VOLTAGE	12V-24V DC
OUTPUT CURRENT	8A X 4CH
OUTPUT WATTAGE	4 x (96W ~ 288W)
OUTPUT CHANNELS	4
DIMENSIONS	LxWxH (6.5"x2.38"x1.27")
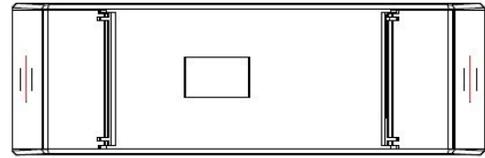
RGB-DMX-5C-XLR
5-CHANNEL DMX DECODER

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")
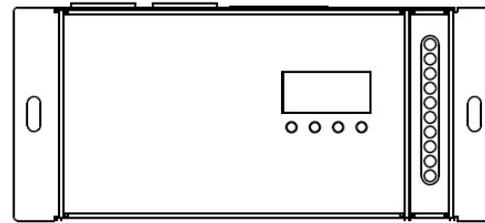
LSP-80 RGB

8.8W INDOOR COLOR-CHANGING LED STRIP

NON-DMX CONTROLLERS

RGB-CT550
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")

* Paired with RGB-CT550-RX (Sold Separately)

RGB-CT550-RX
RGBW WIRELESS RECEIVER / CONTROLLER SYSTEM (REMOTE)

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

* Paired with RGB-CT550 (Sold Separately)

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

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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)
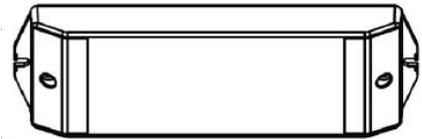
RGB-CT705ZR
SLAVE RGBW WIFI CONTROLLER

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)
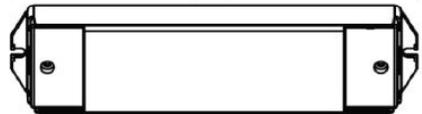
LSP-80 RGB

8.8W INDOOR COLOR-CHANGING LED STRIP

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)

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		10.24" X 4.25" X 1.81"