

The LLX18-RGB is a small profile and energy efficient color-changing light strip. It is easily installed directly on to the mounting surface with double sided tape or within discrete mounting extrusions. The durable but flexible circuit board enables the perfect fit for every application.

**Applications:** Indoor only - above and below cabinets, cove lighting, architectural reveals, under banister, display cases, etc.

**Beam Angle**  
120°

**Average life**  
50,000 hours

**Mounting**  
LLX18-RGB strip is equipped with 3M self-adhesive tape. The strip must be adhered to either a Luminii aluminum profile or an unpainted aluminum surface. For other surfaces the HST Aluminum heat sink tape will be required to reach the rated 50,000 hours average life

**Approvals**  
Class 2 damp listed

**Warranty**  
5 years

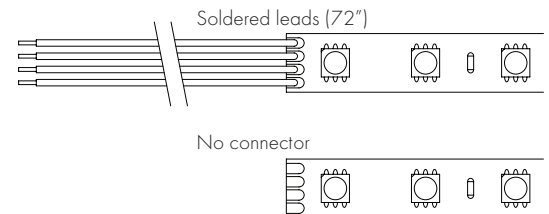


### Technical specifications

MODEL	LLX18-RGB
LEDs/ft	18
Light output	169 lumen/ft*
Average power consumption (for 15' section)	3.9 W/ft*
Amperage load at maximum run	4.0 A
Cutting increment	4.00"
Pitch length	0.66"
Maximum run length (in series)	30 ft
Dimensions	0.39" W 0.09" H

\*with all 3 circuits at full brightness

### Section start/end options

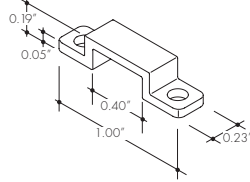


### Ordering code

MODEL	SECTION START	SECTION END	LENGTH
LLX18-RGB	SL	NC	
LLX18-RGB	SL - Soldered lead wires (72")	SL - Soldered lead wires (72")	View specifications for increment options
	NC - No connector	NC - No connector	

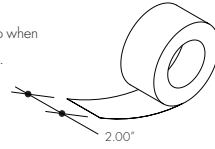
Accessories

Mounting clip:  
recommended at every 12" when  
lineLED strip is facing down.



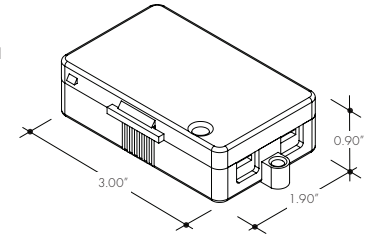
Part # CL-1

Heat sink tape:  
included with lineLED strip when  
no extrusions are ordered.



Part # HST

Splice Box:  
low voltage, 4 terminal  
splice box, black.



Part # LVSP-4T-BK

Power consumption per linear foot\*

\* with all 3 circuits at full brightness

Length of Strip (LF)	W/ft	Total wattage
1	4.60	4.60
2	4.55	9.10
3	4.50	13.50
4	4.45	17.80
5	4.40	22.00
6	4.35	26.10
7	4.30	30.10
8	4.25	34.00
9	4.20	37.80
10	4.15	41.50

Length of Strip (LF)	W/ft	Total wattage
11	4.10	45.10
12	4.05	48.60
13	4.00	52.00
14	3.95	55.30
15	3.90	58.50
16	3.85	61.60
17	3.75	63.75
18	3.70	66.60
19	3.65	69.35
20	3.60	72.00

Length of Strip (LF)	W/ft	Total wattage
21	3.55	74.55
22	3.45	75.90
23	3.40	78.20
24	3.35	80.40
25	3.30	82.50
26	3.25	84.50
27	3.15	85.05
28	3.10	86.80
29	3.05	88.45
30	3.00	90.00

Lens options / light transmission percentage per lens

- C Clear
- HF Half (50%) Frosted
- G Graze
- SI Satin Ice
- S Square Frosted
- Q Rounded Square Frosted
- F Frosted
- M Medium beam frosted
- R Raised
- C36 Clear 36° beam angle
- C10 Clear 10° beam angle

<b>KS Channel (KSC-XX)</b>  C 85%   F 55%   HF 72%   C36 83%   R 51%	<b>KM Channel (KMC-XX)</b>  C 71%   F 42%   HF 58%   C10 67%   R 39%	<b>K45M Channel (K45MC-XX)</b>  C 71%   F 42%   HF 58%   C10 67%	<b>BOS Channel (BOSC-XX)</b>  F 43%   SI 56%   R 46%   G 67%
<b>KL Channel (KLC-XX)</b>  C 83%   F 55%   HF 68%	<b>KXL Channel (KXLC-XX)</b>  C 74%   F 46%   HF 61%	<b>CLA Channel (CLAC-XX)</b>  S 62%   Q 63%	<b>ALC Channel (ALC-XX)</b>  C 79%   F 58%   HF 69%
<b>KRS Channel (KRSC-XX)</b>  C 85%   F 55%   HF 72%	<b>KRM Channel (KRMC-XX)</b>  C 71%   F 42%   HF 58%	<b>KRL Channel (KRLC-XX)</b>  C 83%   F 55%   HF 68%	<b>KRXL Channel (KRXLC-XX)</b>  C 74%   F 46%   HF 61%
<b>Wall + Channel (WPC-XX)</b>  C 47%   F 44%	<b>RO Channel (RO-XX)</b>  C 75%   F 52%	<b>ALS20 Channel (ALS20-XX)</b>  C 78%   F 43%	<b>FL Channel (FL-XX)</b>  C 85%   F 63%   HF 75%

### Wiring Diagram

#### Installation

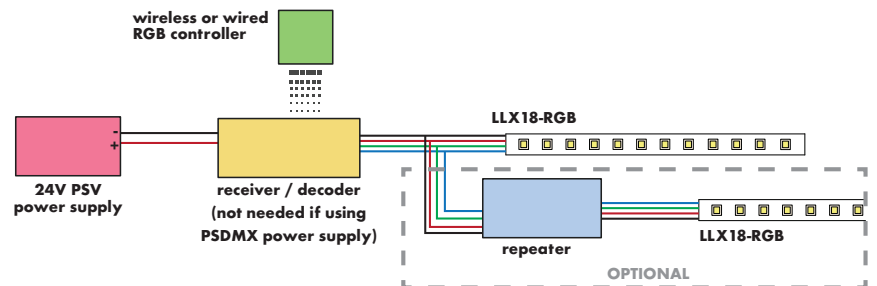
All mounting channels are field cuttable using miter saw with circular blade suitable for cutting aluminum.

#### Ordering

Extrusions are sold separately. View respective specsheets for details on ordering extrusions and their accessories (endcaps, mounting brackets, etc).

#### Discontinued Extrusion Reference Link

<https://www.luminii.com/media/4351/extrusion-update-02.pdf>

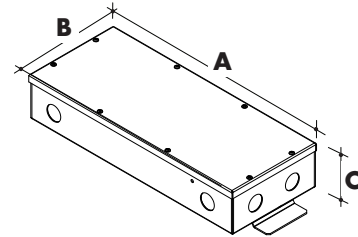


Power supply

See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view luminii website for list of compatible dimmers.

Non-Dimming Power Supply

MODEL	POWER	OUTPUT	DIMMING	LOCATION
<b>PSV</b>	<b>96</b>	<b>24</b>	<b>U2ND</b>	<b>D</b>
PSV - PSV Series	96 - 96 Watt	24 - 24 VDC	U2ND - Non Dimming	D - Dry Location



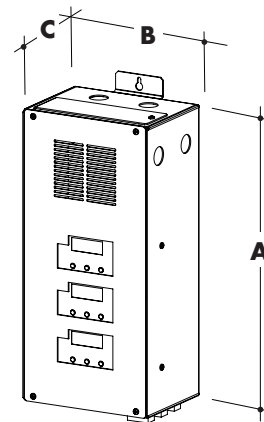
MODELS	96W
<b>A Length</b>	14.40"
<b>B Width</b>	5.20"
<b>C Depth</b>	2.60"

DMX

MODEL	POWER	OUTPUT
<b>PSDMX</b>	<b>96</b>	<b>24</b>
PSDMX - DMX Power Supply	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers

MODELS	96W	3 x 96W
<b>A Length</b>	14.40"	15.75"
<b>B Width</b>	5.20"	6.60"
<b>C Depth</b>	2.60"	4.80"



DMX-3Z-RGBW

RGBW LED 1 or 3 Zone Controller



DMX /Wireless RGB-W wall-mount controller controls DMX lighting fixtures, wireless control of RGB-W lighting fixture or use both simultaneously. Fits in any standard US switch box. Includes all the outputs in the back of the controller.

Control brightness levels with a single touch, personalize and memorize 3 different scenes, and even create 3 variations of white.

**Operating voltage**  
12 - 24V DC

**Features**

- 2 in 1 in-Wall Controller: DMX Control or Wireless RGB-W
- 65,000 Color Options, Dimming and Speed Control
- Memory Function
- 50 Foot Wireless Range
- Easily Fits Standard US Switch Boxes
- Touch Sensitive Glass Surface
- Includes 10 Built in Programs, or Create and Play Your Own

**Color parameters**

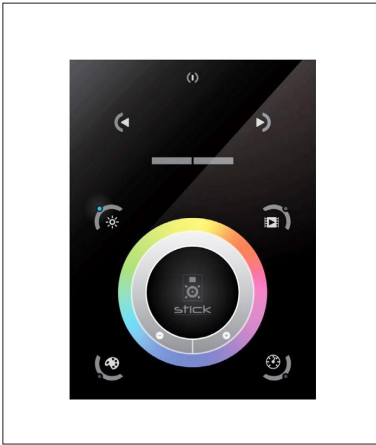
- Brightness
- Saturation
- Primary colors
- Fading
- Color changing speed

ORDERING CODE

Model	Zones	Color
<b>DMX</b>	<b>3Z</b>	<b>RGBW</b>
DMX - DMX controller	3Z - Three Zone 1Z - One Zone	RGBW - Red, Green, Blue & White

## Touch DMX Controller

Touchscreen digital LED controller



### ORDERING CODE

Model

TSDMX-E

TSDMX-E - Touchscreen DMX controller

Programmable advanced DMX512 lighting controller featuring a touch-screen interface. Operates as stand alone controller or integrated with most architectural lighting control systems. Can controller endless DMX512 enabled devices.

Mounts to standard single or dual gang wall box with the included power supply inside the junction box. Terminal block design for power and data connections.

**Power supply**  
7 VDC (included)

**Programmability**  
PC, Mac, Tablet, Smartphone

**Output signal**  
DMX512 (1024 channels)

**Color parameters**

- Brightness
- Saturation
- Speed of color changing sequence
- Fading / dimming / brightness

**Key Features**

- Sleek glass design which sits 0.43" from the wall
- Graphical color display to show selected environment
- Color/dimmer/speed palette
- Color temperature mixing
- Touch sensitive buttons. No mechanical parts
- Touch sensitive wheel allows for accurate color selection
- Multi-zone microSD memory
- Multi-room control with 500 scenes, 10 zones
- 1024 DMX channels. Control 340 RGB fixtures
- USB & Ethernet connectivity for

## DMX decoder

DMX signal to RGBW decoder (required to operate DMX controller)



Translates controller DMX512 programs for RGB and white LED strips.

Unique DMX address for the decoder can be set easily and displayed by the numeric display on the case. Changing and resetting the DMX address requires manual input.

Use power repeater to expand output.

**Operating voltage**  
12-36 VDC

**Power capacity**  
up to 96W at 24V

**Operating temperature range**  
from -4 °F to +122 °F in case

### ORDERING CODE

Model

DDMX-RGBW

DDMX-RGBW - DMX decoder