

# LSM-55MX

## 5.5W INDOOR COLOR-TUNING FLEXIBLE LED STRIP

Project \_\_\_\_\_

Location \_\_\_\_\_

Quote/ Ref # \_\_\_\_\_

**LSM-55MX** is a hybrid version of the LM-55 series. It features combined Color Temperatures in one LED strip ranging from warm 2200K to cool 5000K. It is capable of delivering 500+ lumens, dimmable and attaches to most surfaces. These strips are great for many common indoor applications.



### SPECIFICATIONS

|                       |                               |
|-----------------------|-------------------------------|
| INPUT VOLTAGE         | 24V DC                        |
| POWER CONSUMPTION     | 5.5W/Ft.                      |
| NO. OF LEDS           | 81 LEDs per Ft.               |
| LUMEN OUTPUT          | 500+ Lm/Ft.                   |
| CRI                   | 95+                           |
| DIMMING               | 0-10V                         |
| MAXIMUM RUN LENGTH    | 12 Ft.                        |
| CUTTABLE              | Every 2 in (50.8mm)           |
| BINNING               | 1.5 Step Macadam Elipse       |
| OPERATING TEMPERATURE | -40°F (-40°C) ~ 140°F (60°C)  |
| BEAM ANGLE            | 120°                          |
| IP RATING             | IP45 dry location (Indoor)    |
| CERTIFICATIONS        | UL Listed, TITLE 24 JA8, RoHS |
| LUMEN MAINTENANCE     | 50,000 Hrs.                   |

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

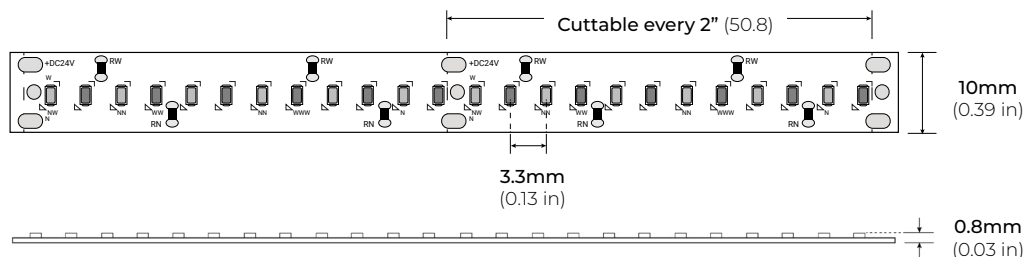


| MODEL   | COLOR TEMP A        | COLOR TEMP B        | LENGTH                                            | VOLTAGE             | PROFILE                                                                  |
|---------|---------------------|---------------------|---------------------------------------------------|---------------------|--------------------------------------------------------------------------|
| LSM55MX | <b>18K</b><br>1800K | <b>27K</b><br>2700K | <b>16</b><br>16 Ft.                               | <b>24</b><br>24V DC | See Page 2 for compatible profiles.                                      |
|         | <b>22K</b><br>2200K | <b>30K</b><br>3000K | <b>100</b><br>100 Ft.                             |                     |                                                                          |
|         | <b>25K</b><br>2500K | <b>35K</b><br>3500K | <b>1XX</b><br>per Ft.                             |                     |                                                                          |
|         | <b>27K</b><br>2700K | <b>42K</b><br>4200K |                                                   |                     |                                                                          |
|         | <b>30K</b><br>3000K | <b>50K</b><br>5000K |                                                   |                     |                                                                          |
|         | <b>35K</b><br>3500K | <b>60K</b><br>6000K |                                                   |                     |                                                                          |
|         | <b>42K</b><br>4200K |                     |                                                   |                     |                                                                          |
|         | <b>50K</b><br>5000K |                     |                                                   |                     |                                                                          |
|         | <b>60K</b><br>6000K |                     | *1 = Custom length per FT.<br>(Cuttable every 2") |                     | * Custom color finishes require powder coating. Allow 7 days leads time. |

# LSM-55MX

## 5.5W INDOOR COLOR-TUNING FLEXIBLE LED STRIP

### DIMENSIONS

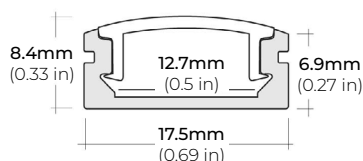


### COMPATIBLE ALUMINUM PROFILES

#### SURFACE PROFILES

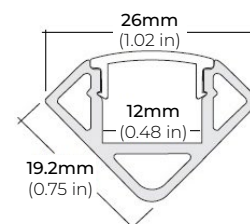
##### ALU-SF

LENGTHS 39" | 78" | 84" | 98"  
LENS Clear, Frosted  
FINISH Black | Silver



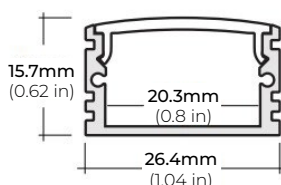
##### ALU-CN (CORNER)

LENGTHS 39" | 78" | 84" | 96"  
LENS Clear, Frosted  
FINISH Black | Silver



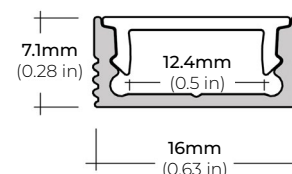
##### ALU-DS100

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



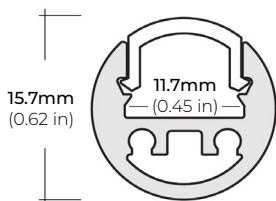
##### ALP-20

LENGTHS 49" | 84" | 98"  
LENS Frosted  
FINISH White | Black | Silver



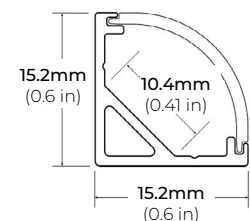
##### ALP-35

LENGTHS 49" | 98"  
LENS Frosted  
FINISH White | Black | Silver



##### ALP-50C-V2 (CORNER)

LENGTHS 48" | 84" | 98"  
LENS Frosted  
FINISH White | Black | Silver

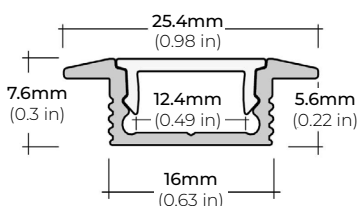


\* For more compatible profiles, visit [corelightingusa.com](http://corelightingusa.com)

#### RECESSED PROFILES

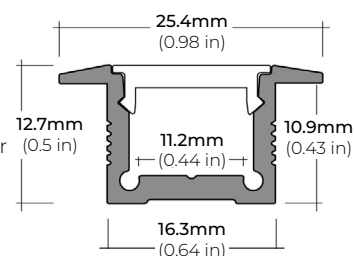
##### ALP-20R

LENGTHS 49" | 98"  
LENS Frosted  
FINISH White | Black | Silver



##### ALP-60R

LENGTHS 49" | 84" | 98"  
LENS Frosted  
FINISH White | Black | Silver



\* For more compatible profiles, visit [corelightingusa.com](http://corelightingusa.com)

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## 5.5W INDOOR COLOR-TUNING FLEXIBLE LED STRIP

### COMPATIBLE 0-10V DIMMING MODULE

0-10V Dimming modules require a non-dimming driver.  
Please refer to page 5 for compatible options.

#### PSDE-TW2-010-CT 0-10V CONTROL

|                  |                               |
|------------------|-------------------------------|
| INPUT VOLTAGE    | 8-48V DC                      |
| INPUT CURRENT    | 5.1A MAX (per channel)        |
| INPUT CONTROL    | 2                             |
| OUTPUT CURRENT   | 5A                            |
| MAX OUTPUT POWER | 240W                          |
| DIMENSIONS       | LxWxH (3.86" X 1.73" X 0.57") |



### BASIC CONTROLLERS

All controllers require a paired receiver and a Non-Dimming Driver.  
Please refer to page 5 for compatible options.

#### RGB-CT820 BLUETOOTH TOUCH PANEL WALL CONTROLLER

|                   |                        |
|-------------------|------------------------|
| INPUT VOLTAGE     | 12-24V DC              |
| ZONES             | 4                      |
| CONTROL MODE      | Color Tuning           |
| 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-CT820 (Sold Separately)



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## 5.5W INDOOR COLOR-TUNING FLEXIBLE LED STRIP

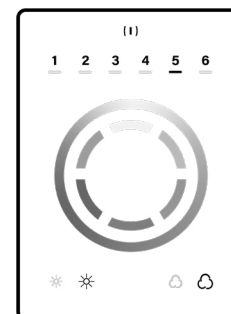
### DMX CONTROLLERS

*All DMX Controllers require a DMX Decoder and Non-Dimming Driver.  
Please refer to page 5 for compatible options.*

#### RGB-SCW4

WiFi DMX WALL CONTROLLER

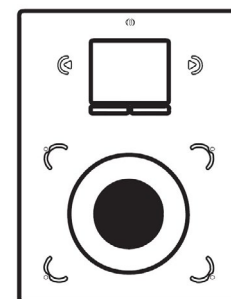
|                 |                                                        |
|-----------------|--------------------------------------------------------|
| INPUT VOLTAGE   | 5 - 10V DC, 06A                                        |
| OUTPUT SIGNAL   | DMX512 (x2)                                            |
| 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")                                        |



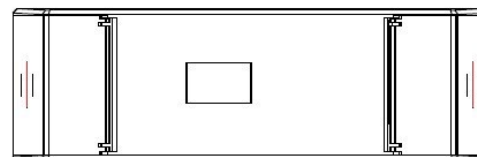
### DMX DECODERS

*All DMX Decoders require a DMX Controller and Non-Dimming Driver.  
Please refer to page 5 for compatible options.*

#### RGB-DMX-4C-RJ45

4-CHANNEL DMX DECODER

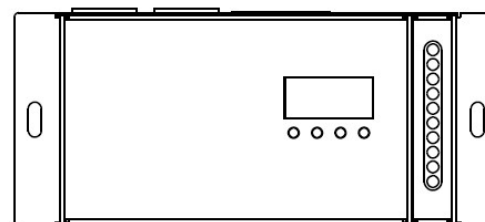
|                 |                        |
|-----------------|------------------------|
| INPUT VOLTAGE   | 12V-24V DC             |
| OUTPUT CURRENT  | 5A X 4CH               |
| OUTPUT WATTAGE  | 60W(12V), 120W(24V)    |
| OUTPUT CHANNELS | 4                      |
| DIMENSIONS      | LxWxH (7"x1.77"x0.75")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



#### 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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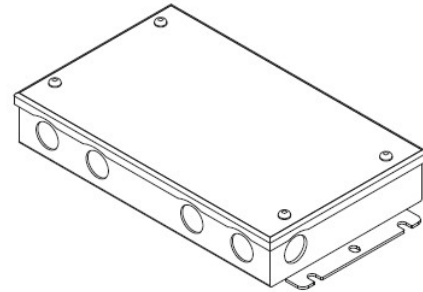
## 5.5W INDOOR COLOR-TUNING FLEXIBLE LED STRIP

### 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 |         | 10.24" X 4.25" X 1.81" |

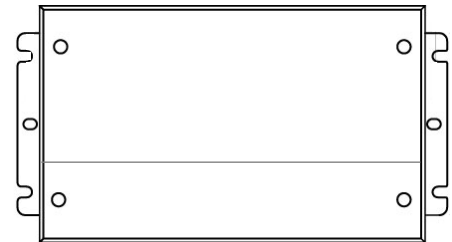


### COMPATIBLE DALI DIMMING DRIVERS

#### PSDE-96W-24V-UNV-DALI-2-DT8

DALI-2 DIMMING DRIVER

|                  |                              |
|------------------|------------------------------|
| CLASS 2          | Yes                          |
| INPUT VOLTAGE    | 100-277V AC                  |
| INPUT CURRENT    | 1.25A MAX                    |
| OUTPUT CURRENT   | 4A                           |
| MAX OUTPUT POWER | 96W                          |
| DIMENSIONS       | LxWxH (9.52" x 4.88" x 1.6") |



\* Non-dimming driver not required.