LLI ARCHITECTURAL LIGHTING

COLOR CHANGING FLEX SHEET - IP54
RGB / Flexible LED Sheet / 24V

3 YEAR LIMITED WARRANTY • c(UL)us LISTED • DIMMABLE • IP54 RESIN COATED
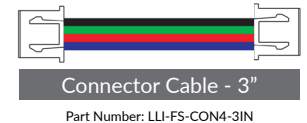
TECHNICAL INFORMATION

WATTAGE	19.5W per sheet
IP RATING	IP54 - Damp location. Not suitable for submersion, limited protection against wet locations and harsh environments.
TOTAL OUTPUT	RGB - 593 lm Red - 182 lm Green - 356 lm Blue - 75 lm
INPUT VOLTAGE	24VDC
CUT LENGTH	Cuttable every 8 LEDs or 2" x 3" sections
MAXIMUM RUN	6 sheets in series connection
SHEET DIMENSIONS	19" W x 9.5" H (480mm x 240mm)
ADHESIVE BACKING	Yes - 3M™ mounting adhesive tape
LIFESPAN	50,000 hrs
WARRANTY	3 year limited
POWER SUPPLY	Compatible with all non-dimmable 24VDC power supplies -- see power supply section of website

RECOMMENDED APPLICATIONS:

Back-lit graphics
Sign lighting
Retail displays

CONNECTORS:

One (1) power connector (length 48") and two (2) connector cables are included with each sheet. Do not exceed 6A.

Power Connector - 48"
Part Number: LLI-FS-PWR4-48IN
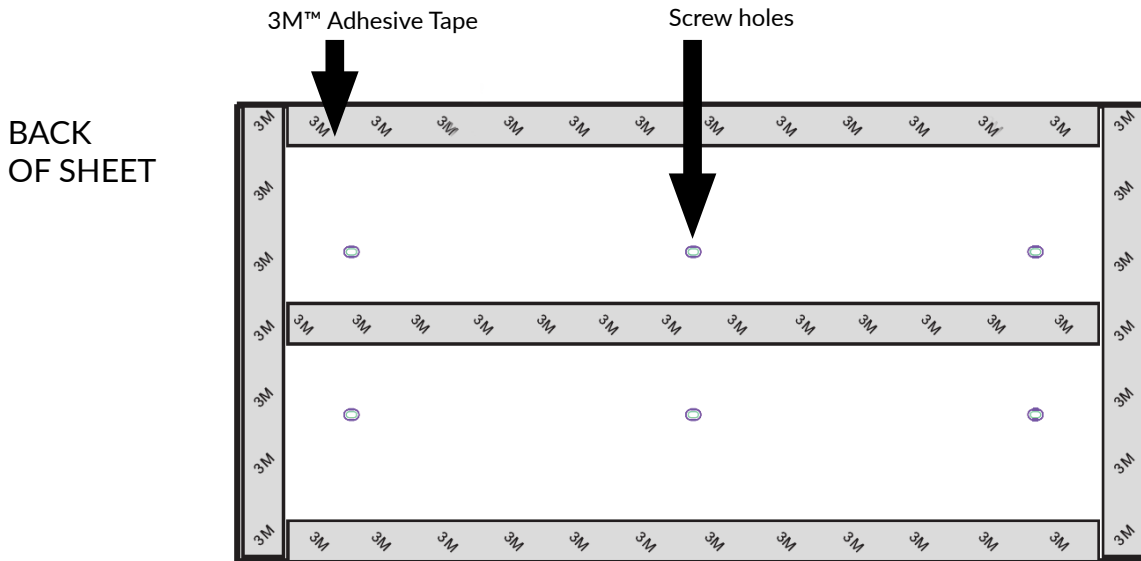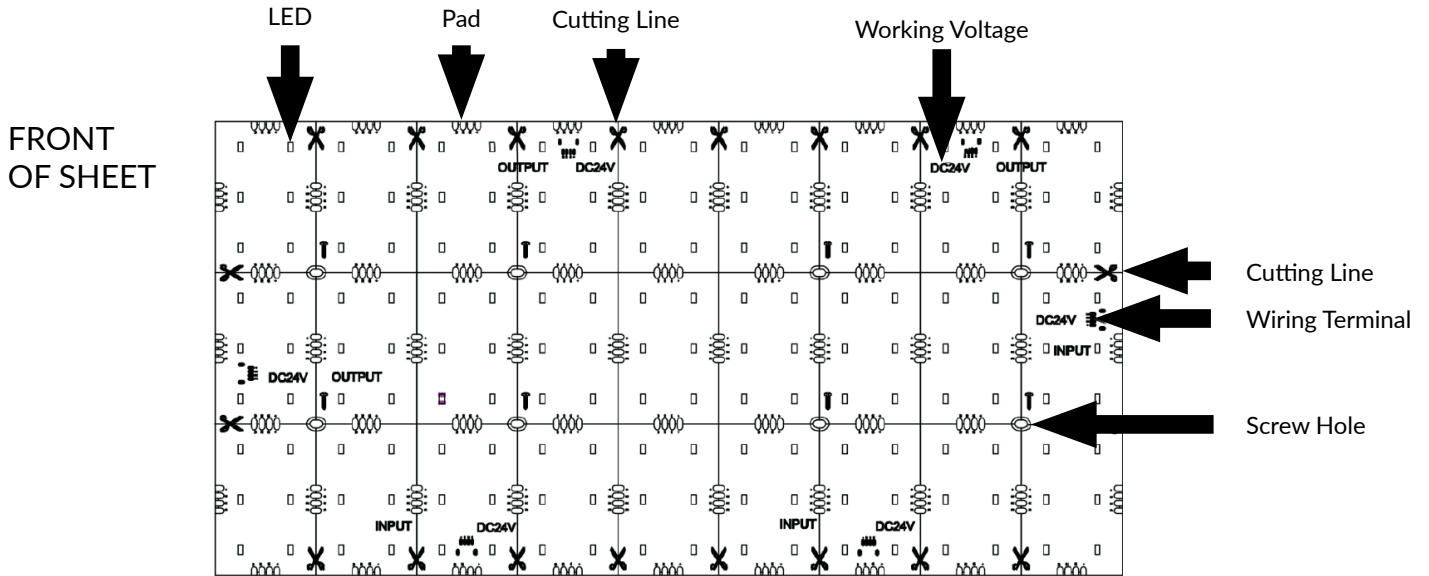
Connector Cable - 3"
Part Number: LLI-FS-CON4-3IN

MOUNTING OPTIONS:

See page 2 for full mounting details. 3M™ mounting adhesive included on the back of sheet. Holes available for securing with screws.
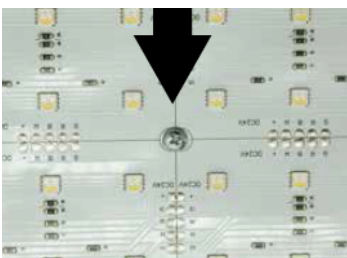
PART NUMBER BUILDER / ORDERING GUIDE

Example part number: LLI-FS19.5W-54-RGB-24V

SERIES	IP RATING	COLOR	VOLTAGE
LLI-FS19.5W	54	RGB	24V

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INSTALLATION / MOUNTING OPTIONS

LED   Pad   Cutting Line   Working Voltage

FRONT
OF SHEET

Cutting Line

Wiring Terminal

Screw Hole

3M™ Adhesive Tape   Screw holes
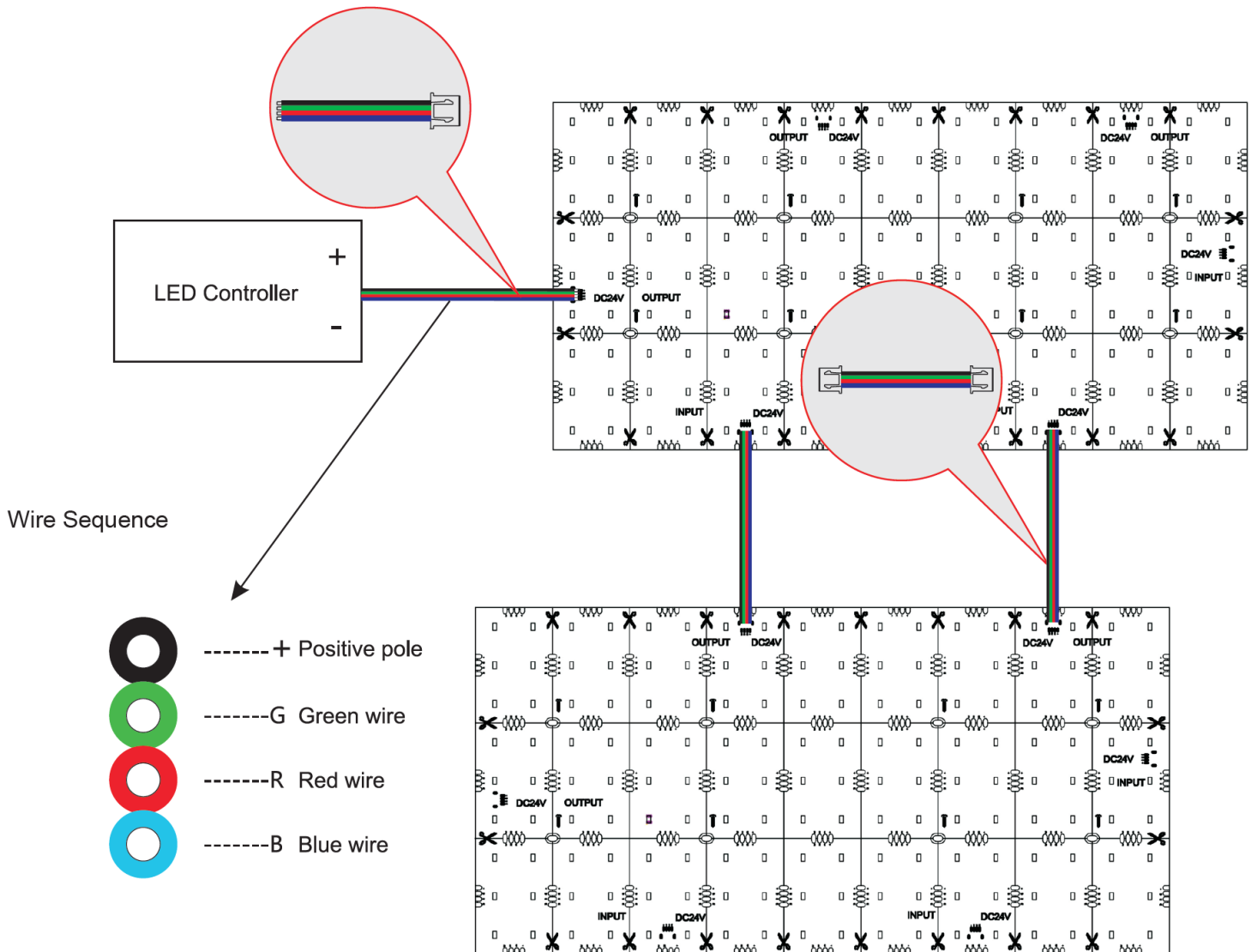
BACK
OF SHEET

Screw holes (detail)

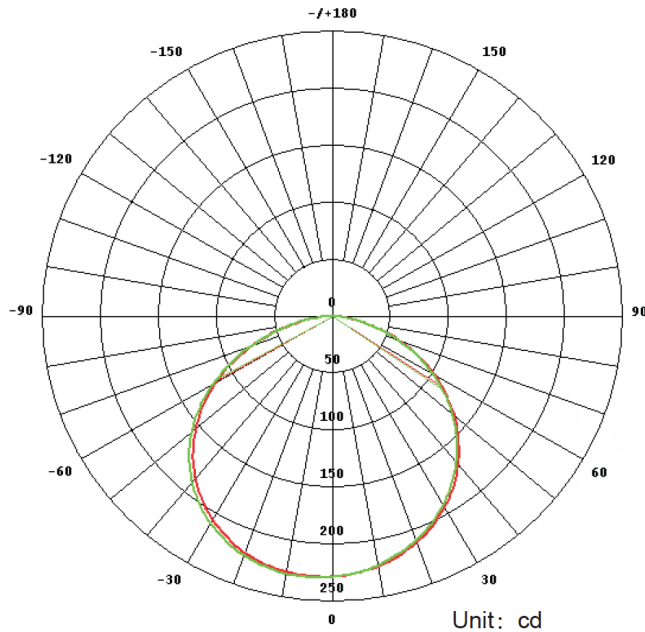# COLOR CHANGING FLEX SHEET - IP54

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WIRING DIAGRAM

NOTE: Polarity is crucial for correct operation. Note the "input" and "output" labeling on each terminal before connecting.

LED Controller
+
−

Wire Sequence

------- + Positive pole

------- G Green wire

------- R Red wire

------- B Blue wire

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PHOTOMETRY & TESTING

Unit: cd
— C0 /180,117.1°
— C90/270.116.8°

AVERAGE BEAM ANGLE(50%): 117.0°

Flux Out: 529.7lm

| Height	Eavg, Emax	Diameter
1cm	608684,2288851 lx	3.25cm
2cm	152171,572213 lx	6.51cm
3cm	67632,254317 lx	9.76cm
4cm	38043,143053 lx	13.01cm
5cm	24347,91554 lx	16.27cm
6cm	16908,63579lx	19.52cm
7cm	12422,46711lx	22.77cm
8cm	9511,35763lx	26.03cm
9cm	7515,28257 lx	29.28cm
10cm	6087,22889lx	32.53cm

Beam Angle: 116.83°
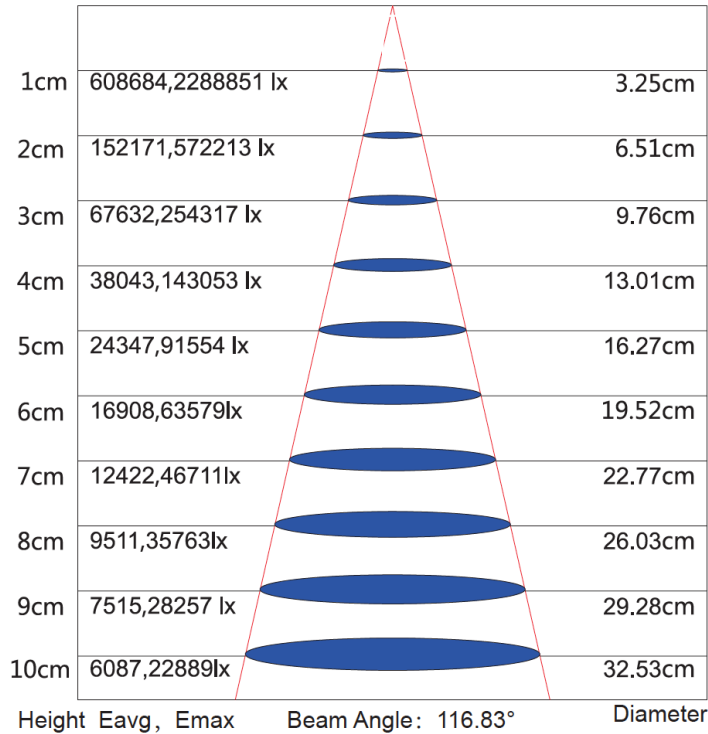
COLOR CHANGING FLEX SHEET - IP54

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POWER SUPPLY (SOLD SEPARATELY)

NON-DIMMABLE ELECTRONIC

c(UL)us LISTED

PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-NDE-030W-24V-KO	30W	100-277V	24V	CLASS 2	IP66 WET	6.5"	3.5"	1.02"
LLI-PS-NDE-060W-24V-KO	60W	100-277V	24V	CLASS 2	IP66 WET	7.4"	3.5"	1.2"
LLI-PS-NDE-096W-24V-KO	96W	100-277V	24V	CLASS 2	IP66 WET	8.7"	3.7"	1.7"
LLI-PS-NDE-200W-24V-KO	200W	100-277V	24V	CLASS 1	IP66 WET	10.3"	4.1"	1.8"
LLI-PS-NDE-300W-24V-KO	300W	100-277V	24V	CLASS 1	IP66 WET	10.9"	4.3"	1.8"
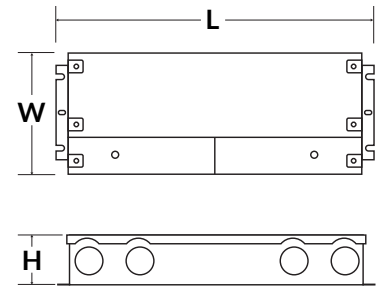
EXAMPLE WIRING DIAGRAM - RF CONTROLLED
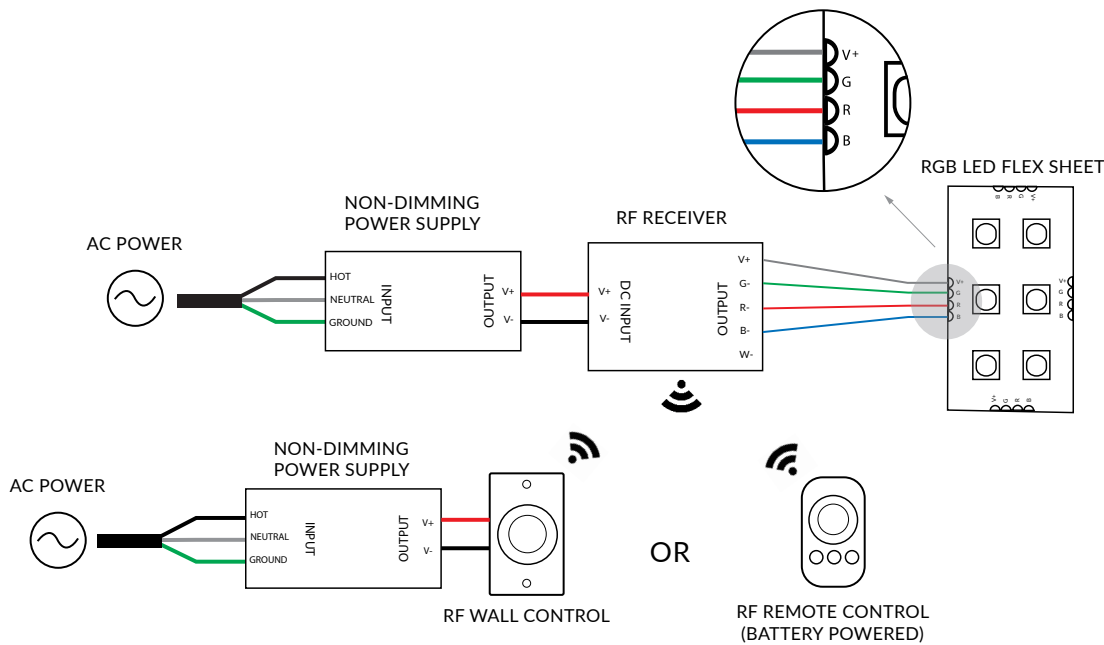
RF RECEIVER (SOLD SEPARATELY)

LLI-C-RCV-UR-RF-4CH

|	
CONTROLLER COMPATIBILITY	Compatible with all RF LLI-C-CTRL controllers.
LED COMPATIBILITY	Static Color, Tunable White & RGB(W) LEDs
CHANNELS	4 Channel, 8 Amp
INPUT VOLTAGE	12V / 24V (power supply not included)
CAPACTIY	12V - 96W, 24V - 192W
FEATURES	Can be controlled by up to (8) controllers
	Can be syncronized with unlimited receivers up to 320ft away
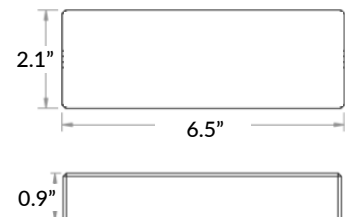
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RF CONTROLLERS (SOLD SEPARATELY)

REMOTE CONTROLLER

LLI-C-CTRL-RGBW-HH

RECEIVER COMPATIBILITY	Compatible with Universal RF receivers
LED COMPATIBILITY	RGB(W) LEDs
INPUT VOLTAGE	Battery operated (3 AAA batteries not included)
FEATURES	Programmable up to 4 zones, 3 scenes
	Color adjustment
	Light intensity adjustment
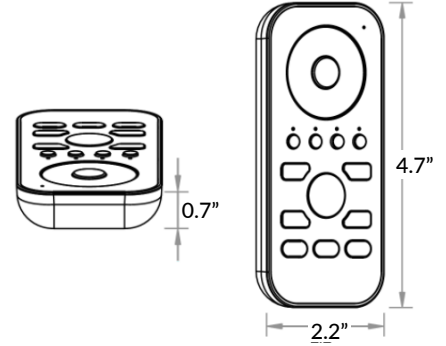
TOUCH PANEL WALL CONTROLLER

LLI-C-CTRL-RGBW-TP-WH

RECEIVER COMPATIBILITY	Compatible with Universal RF receivers
LED COMPATIBILITY	RGB(W) LEDs
INPUT VOLTAGE	12V DC power supply required (not included)
FEATURES	Control range ≥ 65ft
	Programmable up to 3 scenes
	4 color presets
	Color adjustment
	Light intensity adjustment
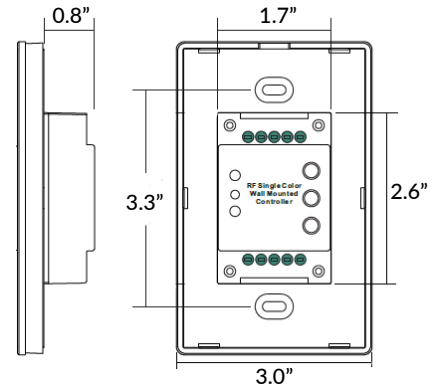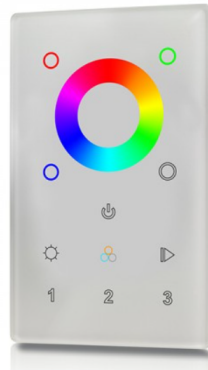
COLOR CHANGING FLEX SHEET - IP54

RGB / Flexible LED Sheet / 24V

EXAMPLE WIRING DIAGRAM - DMX CONTROLLED
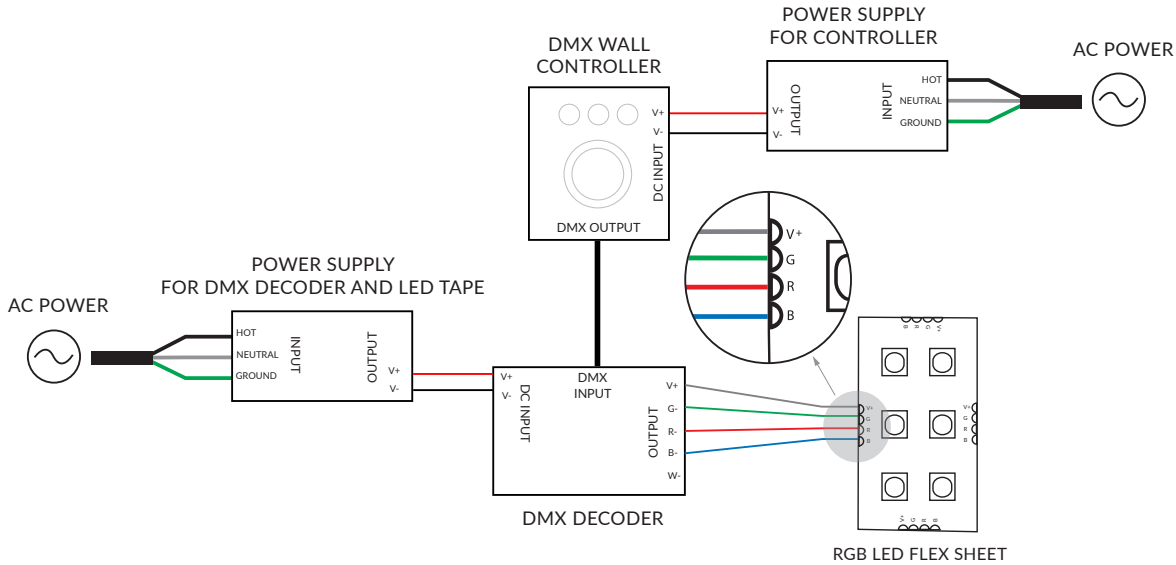
DMX DECODERS (SOLD SEPARATELY)

DMX512 DECODER

LLI-C-DEC-DMX512-8A

LOCATION RATING	Indoor only
FUNCTION	Static color, tunable white, RGB(W) LEDs
CHANNELS	4 channel output, 8 Amp maximum 512 addressable DMX channels
CAPACITY	12V - 96W maximum
	24V - 192W maximum
COMPATIBILITY	Compatible with LLI-C-CTRL-DMX controllers

POWER

Power supply not included. 12V/24V non-dimming power supply required.

2.3" 6.7" 1.5"
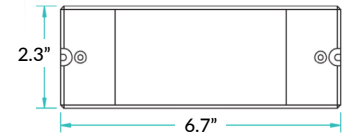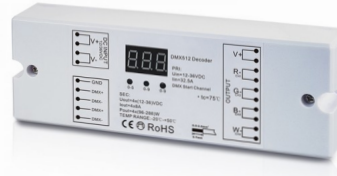
RDM DMX512 DECODER

LLI-C-DEC-DMX512-8A-RDM

| OUTPUT	8A maximum, 4 channels
LOCATION RATING	Indoor only
FUNCTION	RDM communication and PWM dimming for static white, static color, tunable white, and RGB(W) LEDs
CHANNELS	4 channel output, 8 Amp maximum 512 addressable DMX channels
CAPACITY	12V - 96W maximum
	24V - 192W maximum
COMPATIBILITY	Compatible with LLI-C-CTRL-DMX controllers

FEATURES

Can be controlled by up to eight (8) controllers. Can be synchronized with twenty (20) decoders.

POWER

Power supply not included. 12V/24V non-dimming power supply required.
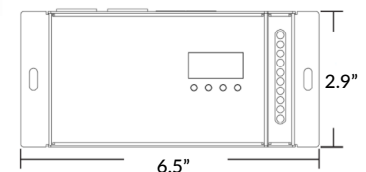
2.9" 6.5" 1.5"

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DMX WALL CONTROLLERS (SOLD SEPARATELY)

STAND ALONE DMX WALL CONTROLLER, GU2

LLI-C-CTRL-DMX-STICK-GU2

|	
INCLUDED IN PACKAGE	Controller, CD-ROM, USB cable, connector block, power supply
OS/COMPUTER REQUIREMENTS	Mac OSx 10.6 or higher / Windows XP or higher, USB 2.0 port
PROGRAM SOFTWARE	Easy Stand Alone, ESA2 (included)
CONNECTIONS	Power (2 pins), DMX (3 pins), Port (2 pins), Micro-USB Port
MOUNTING	Single or double gang wall box
IP RATING	IP20 - dry locations only
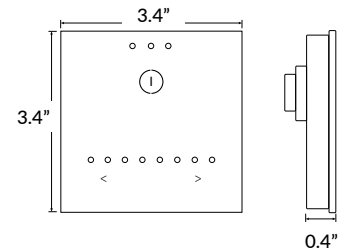
FEATURES

- Up to 24 dynamic or static scenes
- Wall mounted control panel with glass face, touch-sensitive buttons
- Programmable with included USB cable and software – no Ethernet or WiFi required

3.4"
3.4"
0.4"

STAND ALONE DMX WALL CONTROLLER, DE3

LLI-C-CTRL-DMX-STICK-DE3

INCLUDED IN PACKAGE	Controller, connector block, power supply
OS/COMPUTER REQUIREMENTS	Mac OSx 10.6 or higher / Windows XP or higher / iOS phone or tablet / Android phone or tablet
PROGRAM SOFTWARE	Easy Stand Alone, ESA2 (Mac/Windows) DMX Lightpad 3 App (iOS/Android) Easy Remote App (iOS/Android)
CONNECTIONS	Power/DMX - screw terminal and RJ45 compatible Memory - MicroSD slot Programming - MicroUSB port
POWER SUPPLY	6VDC power supply (included)
MEMORY	MicroSD card (not included)
MOUNTING	Single or double gang wall box
IP RATING	IP20 - dry locations only
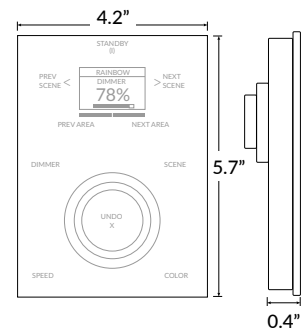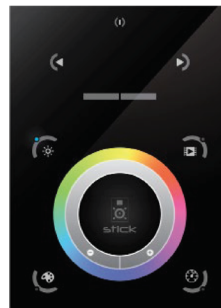
FEATURES

- Multi-zone microSD memory
- Multi-room control with 500 scenes, 10 zones
- Integrated clock and calendar for scheduling events
- Touch-sensitive buttons
- USB and Ethernet connectivity for programming
- Windows/Mac software for programming dynamic effects
- iPhone/iPad/Android apps for remote control and program
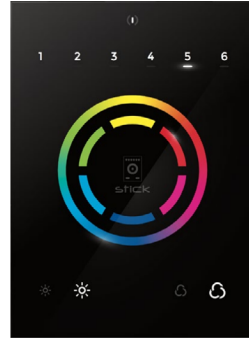
4.2"
5.7"
0.4"

COLOR CHANGING FLEX SHEET - IP54

RGB / Flexible LED Sheet / 24V

DMX WALL CONTROLLERS (SOLD SEPARATELY)

STAND ALONE DMX WALL CONTROLLER, CW4

| LLI-C-CTRL-DMX-STICK-CW4	-	FINISH

BL   Black glass

WH   White glass

| INCLUDED IN PACKAGE	Controller, connector block, power supply, mini-USB cable, ESA2 software, ESA Pro2 Software
OS/COMPUTER REQUIREMENTS	Mac OSx 10.6 or higher / Windows XP or higher
PROGRAM SOFTWARE	Easy Stand Alone, ESA2 (Mac/Windows)
CONNECTIONS	Power/DMX - screw terminal and RJ45 Programming - miniUSB port
POWER SUPPLY	Requires 5-10VDC 0.6A power supply (included)
MEMORY	Integrated flash memory
MOUNTING	Single or double gang wall box
IP RATING	IP20 - dry locations only

FEATURES

- Can be controlled directly from a computer, smartphone, or tablet
- Touch-sensitive buttons, glass face
- Up to 36 dynamic or static scenes
- 8 port triggers
- 1024 DMX channels control up to 340 RGB fixtures
- Windows/Mac software for programming dynamic effects
- Internal clock and calendar with sunrise/sunset triggering

4.2"

5.7"

0.4"
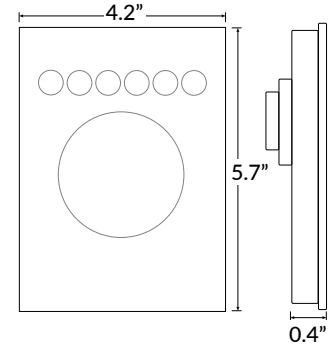
TOUCH PANEL DMX WALL CONTROLLER

LLI-C-CTRL-DMX-RGBW-TP

LED TAPE COMPATIBILITY	Compatible with 12-24V DC LED tapes
PROTOCOL	DMX512
ZONES	3 zones
INTERFACE	Glass touch control
WARRANTY	5 year limited

0.8"   1.7"

3.3"   RF Single Color Wall Mounted Controller   2.6"

3.0"
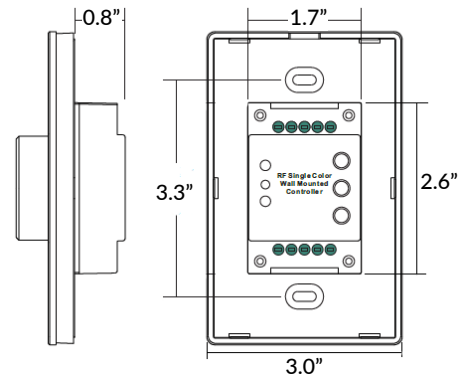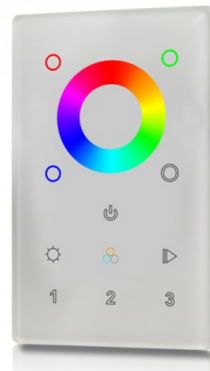
POWER

Power supply for controller not included.
12V DC power supply required.