

liniLED® Deco

White & Monocolor

ORGANIC LIGHTING
SYSTEMS

FLEXIBLE LINEAR LED MODULE

MONO COLOR SPECIFICATION



Specification grade waterproof flexible linear LED light strip allowing an endless range of applications for direct or indirect view, as functional or decorative lighting for coves, backlighting, stairs, niches, signs, marine applications. Very low energy (1W ft.) with very high output, with no UV or IR. liniLED® can be applied both indoors and outdoors. Co-extruded with built in reflectors the highly flexible UV stabilized, optically clear PVC seals LEDs for permanent protection against adverse environments and handling. Rapid mounting in 66' long runs with "Solder free" push-fit connections. LiniLED SIDE enables horizontal bends to be made for curves or columns.

Specially designed circuitry guarantees optimal controlled output by modifying and stabilizing input every section of seven LEDs, ensuring color stability and exceptionally cool operation for longest LED life. Pulse Width Modulation dimmable for smooth dimming and extended LED life. Plug and Play system design simplifies installation and specification.

Manufactured in the EU/USA, RoHS. UL, ETLcs, CE

liniLED DECO MONO COLOR - SPECIFICATIONS

LED	SMD OSRAM TopLED
Number of LEDs	11 per ft/35 per meter, 166ft long (50m) reels
LED Color	Amber / Red / Green / Blue / White, 3000k / 4000k 6500k; CRI 85
Beam / Flux	120°; White - 38.83 lumen/ft Warm White - 33.25 lumen/ft
Dimensions	TOP: H 0.25" x W 0.50" (H6xW12mm) SIDE: H 0.50" x W 0.50" (H12xW12mm)
Length (m)	Up to 66ft (20m) continuous runs, field cuttable every 8" (20cm). 164ft reel
Bend Radius	1.2" (30mm)
Indoor or Outdoor (IP68)	Wet location (specify protected connectors)
Watts and Voltage	24VDC; 1 W/ft. (3.5W/m); ETL / CE
Material	UV/IR protected PVC. encapsulation
Dimmable	Pulse Width Modulation, or 0-10V; or 120V Electronic with special Power supply.
Life	50,000 hours white; Up to 100,000 hours for colors (mfc.data at 40°C) LM-79, 5 years limited warranty
24VDC	Select appropriate wattage power supplies, according to run length and number of runs
Accessories	Dimming controllers; Clear PET adhesive backed mounting channel; mounting saddles; power cord sets; extension cords; aluminum extrusions and diffusers

Cold White 6500K	Natural White 4000K	Warm White 3000K	Blue	Red	Amber	Green
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liniLED TOP

Extruded reflector with optically clear encapsulation of LEDs.

Dimensions: 1/4"h x 1/2"w

Curving Direction:

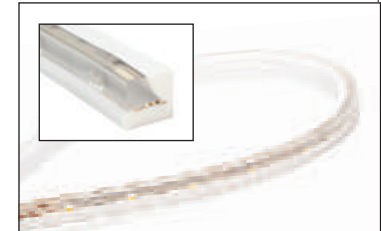


liniLED SIDE

Extruded reflector with optically clear encapsulation of LEDs.

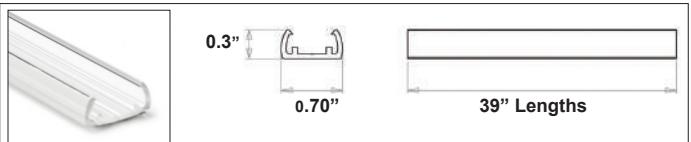
Dimensions: 1/2"h x 1/2"w

Curving Direction:



Power Connector Set, Push fit connection - no stripping or soldering required. 3' or 16'.

MOUNTING & DIMENSIONS



Mounting Channel, Clear PET self-adhesive backed, grips liniLED tightly for perfectly straight runs in minimum space. Apply to coves, surfaces or inside liniLED aluminum extrusions. Cut with scissors or craft knife.



Mounting Saddle - screw mounting with tie wrap to secure strip.

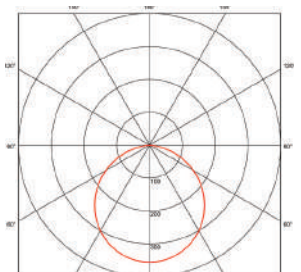
IES DISTRIBUTION CURVE

IES:- LF07T-W3F-865

Luminaire: LiniLED White; 6500k / CRI 85
Luminaire Luminous Flux: 25.47 lm
Luminaire Wattage: 0.66 W
100 CIE flux code: 48 80 97 100 100

IES:- LF07T-W3F-830

Luminaire: Warm White; 3000k / CRI 80
Luminaire Luminous Flux: 21.81 lm
Luminaire Wattage: 0.66 W
100 CIE flux code: 48 80 97 100 100



RoHS. UL, ETLcs, CE

TECHNICAL DATA

Description	Max runLength	No. of LEDs (per ft)	V/DC	Current (A)	Color	CRI	Lumens	CD/ft	W/ft	Bin
RGB	33 ft	11	24	350mA	RGB		37	13.2	1.8	
Amber	66 ft	11	24	350mA	587 nm		4.45	1.6	0.5	
Red	66 ft	11	24	350mA	617 nm		11.11	4	1	
Green	66 ft	11	24	350mA	525 nm		33.9	12.1	0.8	
Blue	66 ft	11	24	350mA	469 nm		3.99	1.4	0.6	
Cool White	66 ft	11	24	350mA	6500 K	90	38.83	13.9	0.7	Fine
Warm White	66 ft	11	24	350mA	3000 K	90	33.25	11.9	1	Fine
Natural white	66 ft	11	24	350mA	4000 K	90	33.25	11.9	1	Fine

ORDERING liniLED

1. PART#		TOP	SIDE
LIN		Amber 011603	Amber 011761
		Red 011604	Red 011762
		Green 011605	Green 011763
		Blue 011606	Blue 011764
		CW 011607	CW 011765
		WW 011601	WW 011766
		NW 011608	NW 011740

liniLED® THE DIFFERENCE

Specification Grade.

Made entirely in the EU / USA.

The LEDs are the latest Osram Topled they have the highest light output for the lowest energy, offering energy savings of upto 80% for cove lighting applications.. Protected with IP68 PVC encapsulation, with a hollow chamber protecting phosphors against color shift. By partnering with Osram we know the source of the LEDs and the packaging (assembly) process. - The only way to ensure repeatability over time with LEDs is to know the source of every component, from the copper foil to the last resistor.

Osram's binning for mid-range LEDs is arguably the best in the world, which means that the color matching both initially and for the life of the LEDs is consistent. LiniLED binning is better than 3 MacAdam ellipses.. The liniLED circuit is a patented custom design, with top level electronic components and an IC every 8" to further control the input to the LEDs, protecting them against color shift and reduced LED life. LiniLED is a superior product to Osrams normal standards.

A simple but convincing test is to run liniLED and hold the strip in your hand. There will be no perceptible heat in comparison with other products. With LEDs heat is the killer!

One of the most common misunderstandings is that you can place LEDs in inaccessible places because they are solid state, are shockproof and have a long life. LEDs are all of that, but they are operated by computerized electronic circuits on PC boards with many more components, which is why we seal and protect liniLED against all the elements, but ensure that maintenance and future replacement are feasible.

liniLED is the best and most energy efficient product of it's kind! Our design and automated production makes it affordable and the least expensive product to install.

For a full list of components and accessories see Accessories page.

liniLED[®] Deco

White & Monocolor

FLEXIBLE LINEAR LED MODULE



JUST 5 EASY STEPS TO SPECIFY

1. SELECT PRODUCT AND COLOR



liniLED Top Deco

- Choose run length
- Dimensions 1/4" h x 1/2" w
- Spool length 164'
- Max. 66' continuous run
- Cuttable length 8"
- Minimum order 3'

Specify Color

RGB	011602
Amber	011603
Red	011604
Green	011605
Blue	011606
Cool White 6500K	011607
Natural White 4000K	011608
Warm White 3000K	011601



liniLED Side Deco

- Choose run length
- Dimensions 1/2" h x 1/2" w
- Spool length 164'
- Max. 66' continuous run
- Cuttable length 8"
- Minimum order 3'

Specify Color

RGB	011760
Amber	011761
Red	011762
Green	011763
Blue	011764
Cool White 6500K	011765
Natural White 4000K	011740
Warm White 3000K	011766

2. CONNECTING



Push-fit Power Connector sets

Supplied with termination end cap

3' Mono Color TOP	011200
16' Mono Color TOP	011201
3' Mono Color Side	011202
16' Mono Color Side	011203
3' RGB Color Top	011204
16' RGB Color Top	011205
3' RGB Color Side	011206
16' RGB Color Side	011207



Inline Connector to Connect Strips

Mono Color TOP	011790
RGB TOP	011747



Extension Connector Cord

Extension cord to connect strips with 10" cable in between.

Mono Color Top	011208
Mono Color Side	011209
RGB Color Top	011210
RGB Color Side	011211



Protective End Cap

End Cap Top	011503
End Cap Side	011504



IP68 Submersible Cover Kit Top 011506
includes both covers for both ends.



IP68 Submersible Cover Side 011533
includes cover for one end.

3. MOUNTING



Mounting Channel

011369

Clear PET Self-adhesive backed, grips tightly for straight runs in minimum space. Apply to covers, surfaces or inside liniLED aluminum extrusions with diffusing lenses.



Mounting Saddle

011375



Wall/Floor Extrusion

Silver	011593
Black	011595



Stair Extrusion, Direct View

Silver	011565
Black	011567



Stair Extrusion, Indirect View

Silver	011836
Black	011837



Cove Extrusion

Silver	012807
Black	011208
White	011209
Polycarbonate Lens	011591
Left End Cap	011571
Right End Cap	011573



Line Extrusion

1" White painted aluminum	010982
2" White painted aluminum	010985
1" Frosted lens 3/16" Acrylic	010959
1" Clear lens 3/16" Acrylic	010965
2" Frosted lens 3/16" Acrylic	010961
2" Clear lens 3/16" Acrylic	010967

4. POWERING AND RUN LENGTH



Power Supply Indoor/Outdoor

Non Dimmable Power Supply	
20w	011310
30W	011307
100W	011321
150W	011327
240W	011331

Dimmable Power Supply

30W	011308
100W	011321
150W	011328
240W	011332



Plug in Power Supply Indoor

120W	011323
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Power Supply Indoor

320W	011335
500W	011339



Magnetic Power Supply

IP67 Outdoor Rated ; Only for Mono Colors

20W	M20L24DC-AR
60W	M60L24DC-AR
100W	M100L24DC-AR
150W	M150L24DC-AR
200W	M200L24DC
300W	M300L24DC

5. CONTROLLING



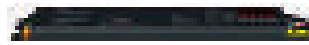
Dimmer with On/Off Push Switch; 011455
Dims standard power supplies;
Max. 280W @ 24VDC.



RGB Stand-alone Controller 011100
For demo or wall box mounting;
Max 120W @ 24VDC
4.3/4" x 1.7/16" x 7/8"H



RGB / DIM Wall Control set 011101
Wall mounting with IR Remote;
Max 2 Amp



LIN100A1 100W DMX RGB/Dim 011341
Controller / Power supply unit Max.100W @24VDC;
Onboard and
remote addressing & programming
DMX/Dali/0-10V



LLIN100D2 100W DMX RGB/Dim 011343
Controller. Max.100W @24VDC;
Onboard and remote addressing
& programming. DMX/Dali/0-10V

LIN180D2 180W DMX RGB/Dim 011344
Controller. Max.180W @24VDC;
Onboard and remote addressing
& programming. DMX/Dali/0-10V

LIN720D2 720W DMX RGB/Dim 011345
Controller. Max.720W @24VDC;
Onboard and remote addressing
& programming. DMX/Dali/0-10V



DIMWHEEL/COLOR Wall 011342
Programmable On/Off RGB color wheel for
LIN100/180/720, 10A. 24VDC

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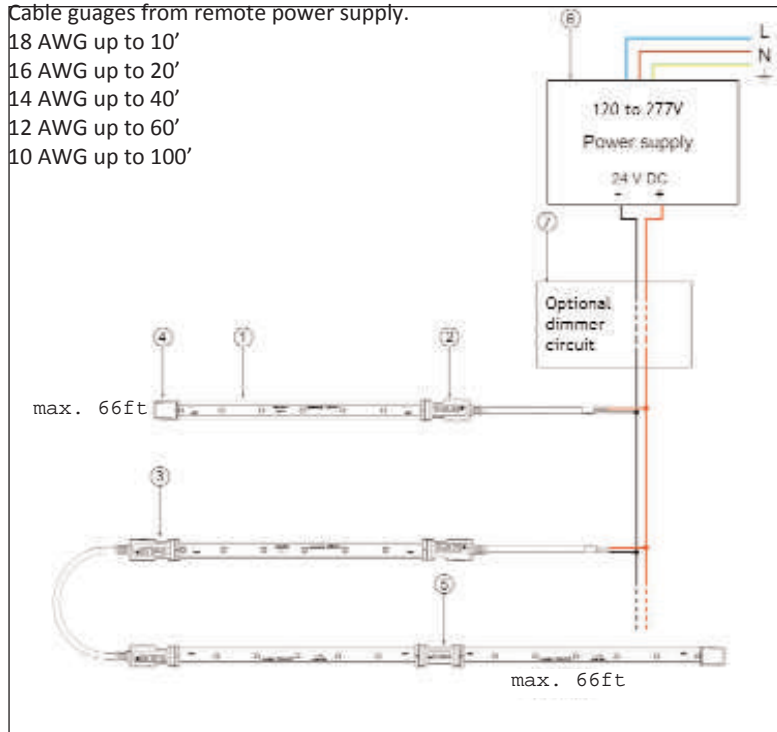


MONO COLOR INSTALLING & DIMMING

CONNECTION DIAGRAM MONO COLOR

Cable gauges from remote power supply.

- 18 AWG up to 10'
- 16 AWG up to 20'
- 14 AWG up to 40'
- 12 AWG up to 60'
- 10 AWG up to 100'



INSTALLATION

Installing:

liniLED Mono is easy to specify and simple to install. It can be cut every 8" and continuous lengths up to 66ft can be run from the power supply. (1)

Power Supplies / Controls – 24V.DC Constant Voltage: (6)

Check the Power Supplies Guide and select dimmable or non dimming-Power Supplies corresponding to the total wattage to be connected.. Select the Organic Lighting Dimming controls.if required.

Power Cords with Connector:(2)

Select the power Connector cord sets, either 3'3" or 16'3" long to match the number of runs (endcaps supplied(4)) Bends can be made with 10" extension leads(3) Interconnection can be made with Inline connectors(5) Waterproof connections require the connectors to be protected with a liniLED Connector Cover supplied with a resin glue which protects connections to IP68.

Mounting:

Clear PET adhesive backed mounting channel which can be cut to length, enable quick mounting on smooth surfaces, or select screw on mounting saddles.

Extruded aluminum housings are available for surface or recessed mounting, creating coves, step extrusions for direct view or indirect illumination and under cabinet/wall mounting extrusions can be specified.

liniLED[®] PSP DIMMING CONTROL ELECTRONIC 0-10V; PWM; OR OUR MAGNETIC AC DIMMABLE POWER SUPPLIES

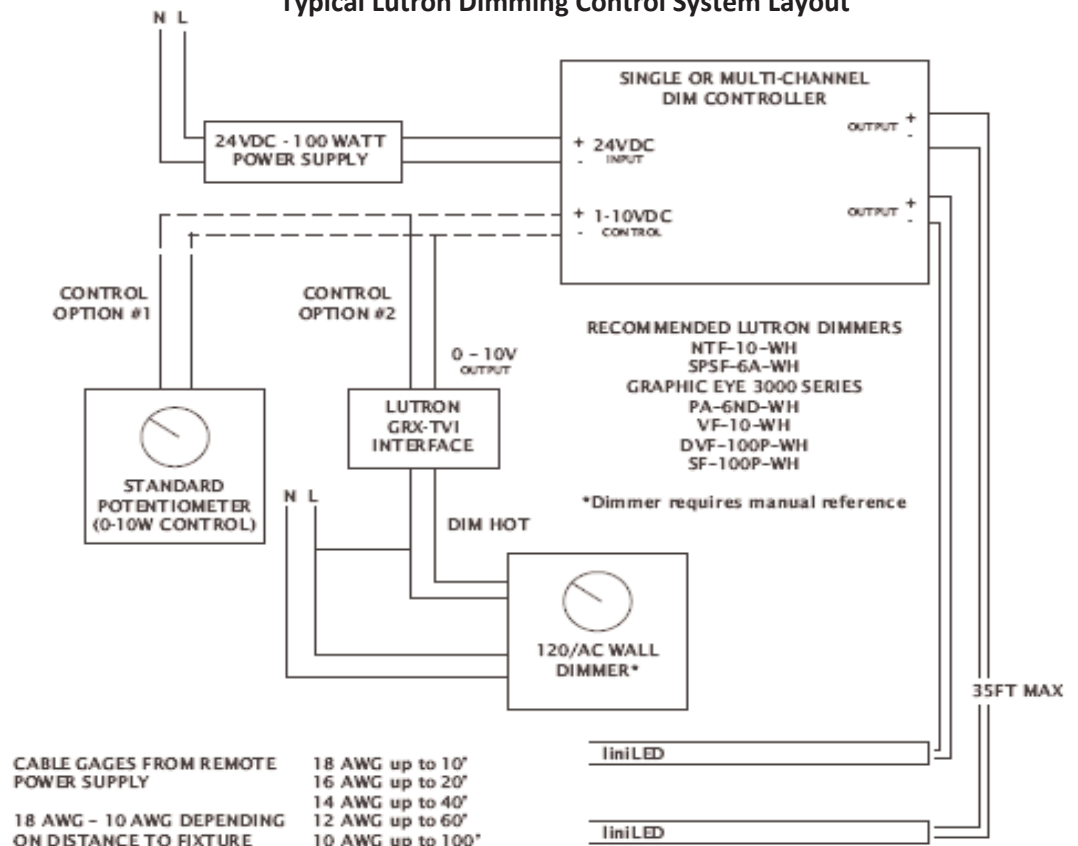
liniLED is dimmable using 1-10v or Pulse Width Modulation (PWM) controls.

- Dim with simple 1-10V dimmers or DMX/RDM dimmer controls.
- Dim only on the DC side.

2 Wire AC dimming -Electro-magnetic Power supplies can be supplied. (Require Lutron or other approved Electronic low voltage dimmer controls)

- Dimming on the AC side require special Magnetic power supplies , which must be specified when ordering.

Typical Lutron Dimming Control System Layout



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MONO COLOR TRIMMING & CONNECTING

liniLED is directional. Always connect in the direction of the arrows shown on the pcb , between the LEDs

