

liniLED[®] Power White & Monocolor



FLEXIBLE LINEAR LED MODULE

POWER MONO COLOR SPECIFICATION



Truly energy saving. liniLED[®] Power is the most advanced product of its kind. Very low energy, very low heat equals reliability and the longest life possible. Specification grade waterproof flexible and dimmable LED light strip. Direct or indirect view, as functional or decorative lighting for coves, backlighting, building outlining, signs, marine applications. No UV or IR. 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 long runs with "Solder free" push-fit connections.

2 models - TOP and SIDE; SIDE enables horizontal bends to be made for curves or columns.

Specially designed circuitry and Osram Topled Power LEDs, ensure color stability and exceptionally cool operation for longest LED life. Pulse Width Modulation dimmable for smooth dimming control. Plug and Play system design simplifies installation and specification. Manufactured jointly in the EU/USA

Cold White 6500K	Natural White 4000K	Warm White 3000K	Warm White 2700K	Blue	Red	Orange	Amber	Green
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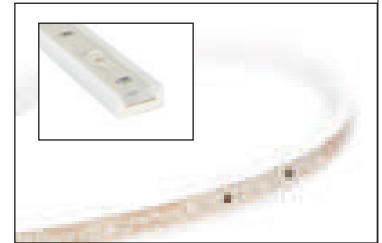


liniLED TOP

Extruded reflector with optically clear encapsulation of LEDs.

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

Curving Direction:

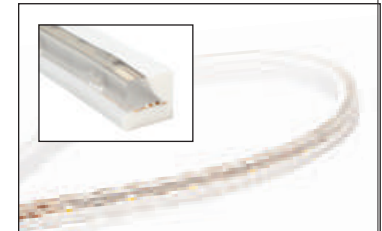


liniLED SIDE

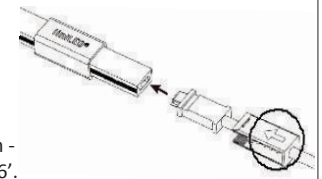
Extruded reflector with optically clear encapsulation of LEDs.

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

Curving Direction:



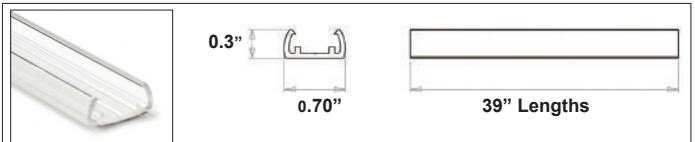
Power Connector Set, Push fit connection - no stripping or soldering required. 3' or 16'.



liniLED POWER MONO COLOR - SPECIFICATIONS

LED	SMD OSRAM POWER TopLED
Number of LEDs	White: 11 per ft/35 per meter, 164ft long (50m) reels Colors: 15 per ft/ 50 per meter, 33ft long (10m) reels
LED Color	Orange/ Amber/ Red/ Green / Blue White, : 2700k / 3000K / 4000K / 6500k; CRI 90
Beam / Flux	120°; Warm White - 121.95 lumen/ft Warm White - 128 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 33ft (13.4m) continuous runs, field cuttable every 8" (20cm) for white, 4" (10cm) for colors 164ft(50m) reel for white, 33ft (10m) reel for colors
Bend Radius	1.2" (30mm)
Indoor or Outdoor	Wet location IP68 with protected connectors
Watts and Voltage	24VDC; 1.28 W/ft. (4.2W/m); ETL / CE
Material	UV/IR protected PVC.
Dimmable	Pulse Width Modulation, maintains consistent lumen output and color
Life	50,000 hours white; (mfc.data at 25°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

MOUNTING & DIMENSIONS



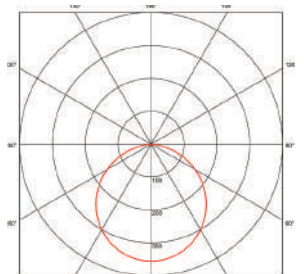
Mounting Channel, Clear PET self-adhesive backed, grips liniLED tightly for perfectly straight runs in minimum space. Apply to coves, surfaces or inside liniLED aluminum extrusions. Cut with scissors or craft knife.



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

IES DISTRIBUTION CURVE

IES:- LF07T-W3F-830
Warm White; 3000k
CRI 85; 8"L. section :
77.63 lm. (121.95L/Ft)



ies files available on
organiclighting.com

RoHS. UL, ETLcs, CE

TECHNICAL DATA

Description	Length	No. of LEDs (per ft)	V/DC	Current (A)	Color	CRI	Lumens (ft)	CD/ft	W/ft	Bin
Cold White	8" - 33ft	11	24	350mA	6500K	90	128		1.28	Fine
Natural White	8" - 33ft	11	24	350mA	4000K	90	128		1.28	Fine
Warm White	8" - 33ft	11	24	350mA	3000K	90	122		1.28	Fine
Warm White	8" - 33ft	11	24	350mA	2700K	90	122		1.28	Fine
Amber	4" - 33ft	15	24	350mA			70		2.53	
Orange	4" - 33ft	15	24	350mA			70		2.53	
Red	4" - 33ft	15	24	350mA			70		2.53	
Green	4" - 33ft	15	24	350mA			61		1.49	
Blue	4" - 33ft	15	24	350mA			26		2.2	

ORDERING liniLED

TOP		SIDE	
Orange	011864	Orange	011874
Amber	011863	Amber	011873
Red	011860	Red	011870
Green	011862	Green	011872
Blue	011861	Blue	011871
CW	011609	CW	011742
NW	011599	NW	011743
WW	011600	WW	011741
WW	011598	WW	011739

1. PART#	
LIN	

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[®]Power White & Monocolor

FLEXIBLE LINEAR LED MODULE

ORGANIC LIGHTING
SYSTEMS

POWER MONO COLOR SPECIFICATION

1. SELECT PRODUCT AND COLOR

liniLED Top Power



- Choose run length
- Dimensions 1/4" h x 1/2" w
- Spool length 164'
- Max. 33' continuous run
- Cutable length 8" white, 4" color
- Minimum order 3'

Specify Color

Cool White 6500K	011609
Natural White 4000K	011599
Warm White 3000K	011600
Warm White 2700K	011598
Orange	011864
Amber	011863
Red	011860
Green	011862
Blue	011861

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



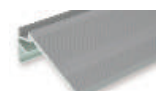
Mounting Channel 011369
Clear PET Self-adhesive backed, grips tightly for straight runs in minimum space. Apply to covers, surfaces or inside liniLED aluminum extrusions with diffusing lenses.



Mounting Saddle 011375



Wall/Floor Extrusion
Silver 011593
Black 011595



Stair Extrusion, Direct View
Silver 011565
Black 011567



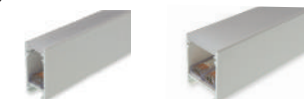
Stair Extrusion, Indirect View
Silver 011836
Black 011837



Cove Extrusion
Silver 012807
Black 011208
White 011209
Polycarbonate Lens 011591

End Caps for Cove Extrusion

left 011571
right 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;
Dims standard power supplies;
Max. 280W @ 24VDC.

011458



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

011100



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

011101



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

011341



LIN100D2 100W DMX RGB/Dim Controller. Max.100W @24VDC;
Onboard and remote addressing & programming. DMX/Dali/0-10V

011343

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

011344

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

011345



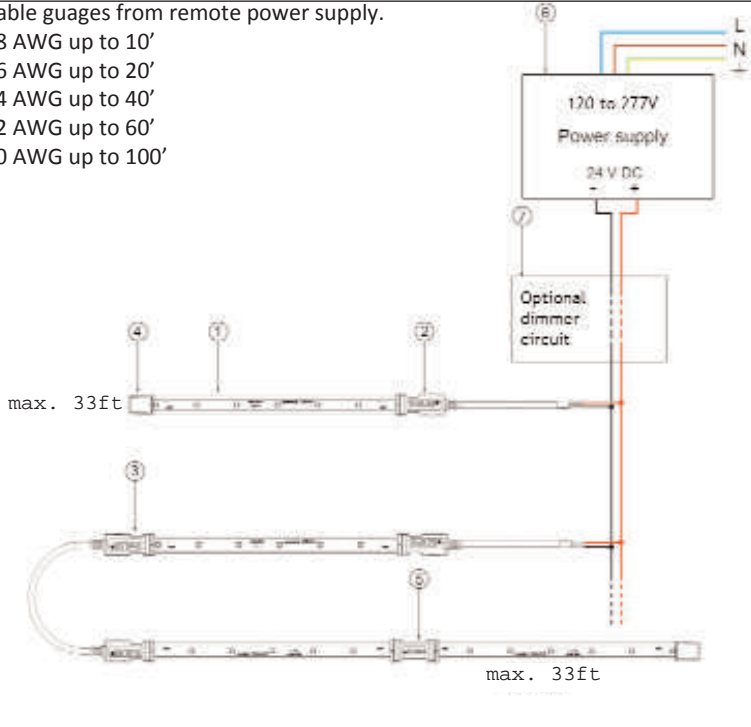
DIMWHEEL/COLOR Wall
Programmable On/Off RGB color wheel for
LIN100/180/720, 10A. 24VDC

011342

CONNECTION DIAGRAM MONO COLOR DECO

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'



SPECIFYING AND INSTALLATION

Installing:

liniLED Power is easy to specify and simple to install. It can be cut every 8" and continuous lengths up to 33ft 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 run lengths. 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 mounting channel which can be cut to length, adhesive backed for mounting on smooth surfaces, or screw on. Screw on mounting saddles with tie wraps and screw on nylon retainer brackets.

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

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

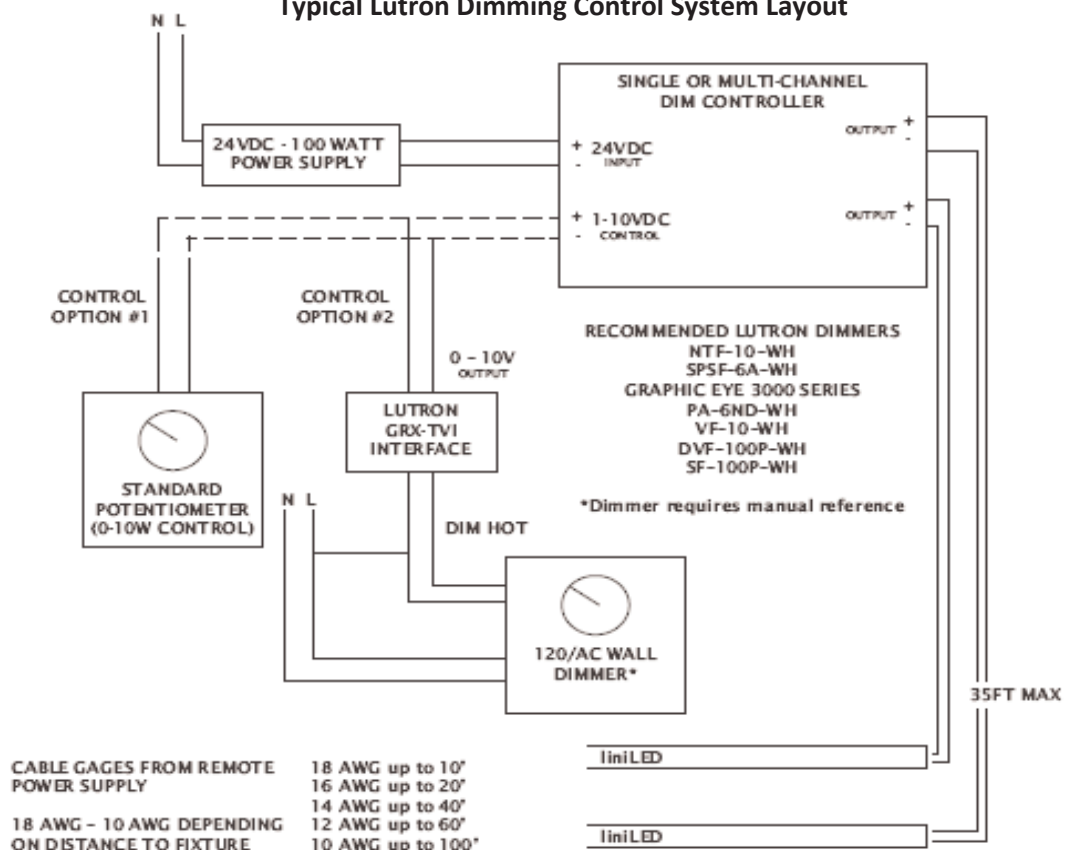
liniLED is dimmable using 1-10v or Pulse Width Modulation (PWM) controls.

- 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



TRIMMING AND CONNECTING

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

