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

### liniLED POWER MONO COLOR - SPECIFICATIONS

**LED**

- **SMD OSRAM POWER TopLED**

<table>
<thead>
<tr>
<th>Number of LEDs</th>
<th>White: 11 per ft/35 per meter, 164ft long (50m) reels</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Colors: 15 per ft/50 per meter, 33ft long (10m) reels</td>
</tr>
</tbody>
</table>

**LED Color**

- Orange/ Amber/ Red/ Green / Blue
- White: 2700K, 3000K, 4000K, 6500K, CRI 90

**Beam / Flux**

- 120º; 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 25ºC) 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

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

**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

<table>
<thead>
<tr>
<th>Description</th>
<th>Length (per ft)</th>
<th>No. of LEDs</th>
<th>V/DC</th>
<th>Current (A)</th>
<th>Color</th>
<th>CRI</th>
<th>Lumens (ft)</th>
<th>CD/ft</th>
<th>W/ft</th>
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<td>11</td>
<td>24</td>
<td>350mA</td>
<td>6500K</td>
<td>90</td>
<td>128</td>
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<td>Fine</td>
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<tr>
<td>Natural White</td>
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<td>24</td>
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<td>4000K</td>
<td>90</td>
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<td>Fine</td>
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<tr>
<td>Warm White</td>
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<td>11</td>
<td>24</td>
<td>350mA</td>
<td>3000K</td>
<td>90</td>
<td>122</td>
<td>1.28</td>
<td>Fine</td>
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<tr>
<td>Warm White</td>
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<td>11</td>
<td>24</td>
<td>350mA</td>
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<td>90</td>
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<td>Amber</td>
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<td>24</td>
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<td>24</td>
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**ORDERING liniLED**

1. PART#  
   LIN

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<th>TOP</th>
<th>SIDE</th>
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<td>NW</td>
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<td>WW</td>
<td>011600</td>
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<tr>
<td>WW</td>
<td>011598</td>
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</table>

**liniLED® THE DIFFERENCE**

The LEDs are the latest Osram Topled they have the highest light output for the lowest energy, offering energy savings of up to 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 its 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.
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
  - Cuttable 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

liniLED Side Power

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

Specify Color

Cool White 6500K 011742
Natural White 4000K 011743
Warm White 3000K 011741
Warm White 2700K 011739
Orange 011874
Amber 011873
Red 011870
Green 011872
Blue 011871

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
includes both covers for both ends.

IP68 Submersible Cover Side
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 coves, 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

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<thead>
<tr>
<th>Power Supply Indoor/Outdoor</th>
<th>Wattage</th>
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<td>30W</td>
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<td>Dimmable Power Supply</td>
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<td>100W</td>
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<td>150W</td>
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<table>
<thead>
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<tbody>
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<td>500W</td>
<td>011339</td>
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<table>
<thead>
<tr>
<th>Magnetic Power Supply</th>
<th>Wattage</th>
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<td>60W</td>
<td>M60L24DC-AR</td>
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<td>100W</td>
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<tr>
<td></td>
<td>150W</td>
<td>M150L24DC-AR</td>
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</tr>
<tr>
<td></td>
<td>300W</td>
<td>M300L24DC</td>
</tr>
</tbody>
</table>

### 5. CONTROLLING

- **Dimmer with On/Off Push Switch**; 011458
- 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 Controller / Power supply unit**; 011341
  - Max.100W @24VDC
  - Onboard and remote addressing & programming
  - DMX/Dali/0-10V

- **LIN100D2 100W DMX RGB/Dim Controller**; 011343
  - Max.100W @24VDC
  - Onboard and remote addressing & programming
  - DMX/Dali/0-10V

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

- **LIN720D2 720W DMX RGB/Dim Controller**; 011345
  - 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
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. 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
Select the power Connector cord sets, either 3’3” or 16’3” long to match the number of runs (endcaps supplied). Bends can be made with 10” extension leads. Interconnection can be made with Inline connectors. 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 sadles 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.
TRIMMING AND CONNECTING

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

1. Cut here and Discard

2. Slide the cover over liliLED before inserting the connector

3. Slide the Connector Grip over the connector to squeeze the PVC strip.

4. Push the Connector Cover over back over the Grip to secure the Connector.

5. "click"

6. MAX single connection 33Ft

Fit endcap with the acid free silicone glue supplied