

FlexiDynamic-120 Linear LED Strip

Luminux is proud to introduce you the FlexiDynamic series of flexible LED strips that will exceed the requirements of the most demanding architecture and interior design applications.

Luminux also offers a full line of accessories to include controllers, amplifiers, power supplies, aluminium profiles, cable splitters and specialty connectors, making Luminux your one-stop destination for all your LED strip needs.



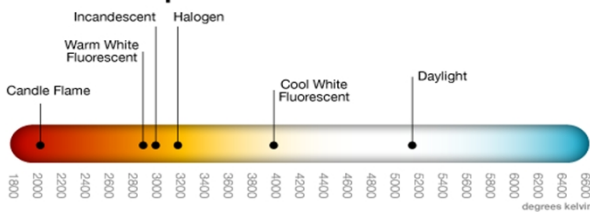
Applications

- Decorative lighting and backlighting applications
- Large company logos, advertising and signage boards
- Outdoor and indoor decorative and safety lighting
- Outdoor pathway, theatre and auditorium walkway, emergency hallway lighting
- Furniture and under the cabinet, display case, door edge and stairway accent lighting

Features

- Color tunable from warm white to cool white
- Precision Color Temperature Control to ensure uniformity of lighting effect
- Change the color temperature whenever you like
- Dimmable by external control gear: 0/1-10V, DALI, DMX, EcoSystem and LED Dimmer
- LED distribution available in 120 LEDs per meter, LED pitch 8mm
- IP65, IP67 or IP 68 come with silicon sleeves for highest IP rating
- Can be cut every 6 LEDs (12V), or 12 LEDs (24V)
- Optional specialty connectors for waterproof and easy connection
- Supports 12 or 24 VDC power supply installations
- All model comes with 3M adhesive backing for quick and easy installation

Colour Temperature Selection Reference



Order Code Matrix:

FlexiDynamic-120L _ _ + _ _ 35IP _ _ V _ _

| Color Option: | Color Option: | IP Rating | Input Voltage Option: |
|---------------|---------------|-----------|-----------------------|
| 2200K=22 | 2200K=22 | IP20=20 | 12VDC=12 |
| 2400K=24 | 2400K=24 | IP65=65 | 24VDC=24 |
| 2700K=27 | 2700K=27 | IP67=67 | |
| 3000K=30 | 3000K=30 | IP68=68 | |
| 4000K=40 | 4000K=40 | | |
| 5000K=50 | 5000K=50 | | |
| 6000K=60 | 6000K=60 | | |

FlexiDynamic-120 Linear LED Line Ordering Specifications

| Ordering Code | LED Type | Color Temperature | No. of LED / Meter | IP Rating Option | Input Voltage Option | Dimmable | Power / Meter | Lumen / Meter |
|---------------------------------|----------|-------------------|--------------------|------------------|----------------------|----------|---------------|---------------|
| FlexiDynamic-120Lxx+xx35IP20Vxx | SMD | 2200K-6000K | 120 | IP20 | 12/24VDC | Yes | 14.4W | 1300-1400 |
| FlexiDynamic-120Lxx+xx35IPxxVxx | SMD | 2200K-6000K | 120 | IP65/IP67/IP68 | 12/24VDC | Yes | 9.6W | 700-800 |

Remark:

5 meter per reel

Connector and LED Driver are not included

IP20 Size: 5000 X 10 X 2.2mm

IP65 Size: 5000 X 12 X 4mm

IP67 Size: 5000 X 12 X 4mm

IP68 Size: 5000 X 12 X 4mm

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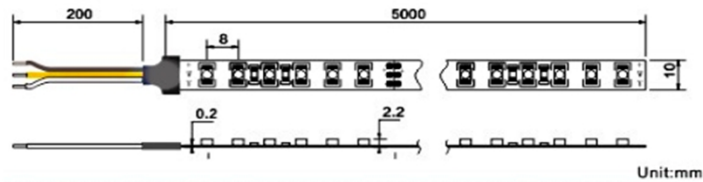


Specifications:

| | |
|-----------------------------|---|
| Input Power Option | 12/24VDC |
| Power Consumption per Meter | 9.6W/14.4W |
| Power Consumption per Roll | 96W |
| LED per Meter | 120 |
| LED per Roll | 600 |
| LED Rows | 1 |
| Channels | 2 |
| IP Rating Option | IP20 (14.4W) /IP65/IP67/IP68 (9.6W) |
| Material / Characteristics | Flexible |
| LED Type | SMD |
| LED Color Option | 2500K-6000K |
| Lumen /Meter | 750 (9.6W) / 1350 (14.4W) |
| LED Beam Angle | 120° |
| CRI | 80+ (Optional >90+, >95+) |
| Housing Color | White |
| Mounting | Surface Mount |
| Connection Strip | 3 Cables (V-, V-, V+) |
| Energy Efficiency Rated | A |
| Working Temperature | -5°C - +40°C |
| Cutting per LED | 6 / 12 LEDs |
| Dimmable | 0/1-10V, DALI, DMX, EcoSystem, LED Dimmer Control |
| Non-Waterproof Dimensions | 5000 X 10 X 2.2mm |
| Waterproof Dimensions | 5000 X 12 X 4mm (9.6W Only) |



Cutting and Installation



Waterproof LED Strip Installation Diagram



Non-Waterproof LED Strip Installation Diagram

