

iSignage™

B24 LED Flex Strip



ATG ELECTRONICS



ATG Electronics® iSignage™ B24 LED Flex Strip is a slim and ultra flexible device designed especially for signage lighting, motorcycle decoration and cove lighting.

iSignage™ B24 adopts high intensity LEDs to operate at 12VDC (safe to humans). It can be joined together via 2-pin power cable, and cut at every 3LEDs; iSignage™ B24 can also be dimmed with specified dimmer (QColor™ Remote Dimmer).

iSignage™ B24 can be easily installed onto any surface with 3M tape on the back, the slim and ultra flexible profile makes it easy to fit different space. Rainproof treatment is available when it is used for motorcycle decoration.

Power Supplies are available in normal and waterproof versions for indoor and outdoor applications. One meter (3.3 feet) 2-pin power cable can be provided for cases there is big space between power supply and channel letters.

iSignage™ B24 has been successfully installed to light up thousands of channel letters and motorcycles worldwide; besides it can also be used for cove lighting.

ATG
Electronics Corp.

Light your world
Color your life!

Features & Benefits:

Ultra flexible and compact profile for narrow or curving space;
High brightness with ultra bright LEDs;
Easily installed and connected with 3M tape and power cables;
Moisture, humidity and short-circuit resistant with tape on the back of PCB;
Even color between strips at the tightest color tolerances;
Safety and stable with low voltage;
Energy saving with low power consumption.

Recommended Applications:

Signage Lighting, especially for narrow and curving spaces;

Indoor decorative lighting (cove lighting, back lighting etc) for your homes, shops, stores, hotels, restaurants, cinemas, theatres, bars and clubs, etc;
Motorcycle decorative lighting.

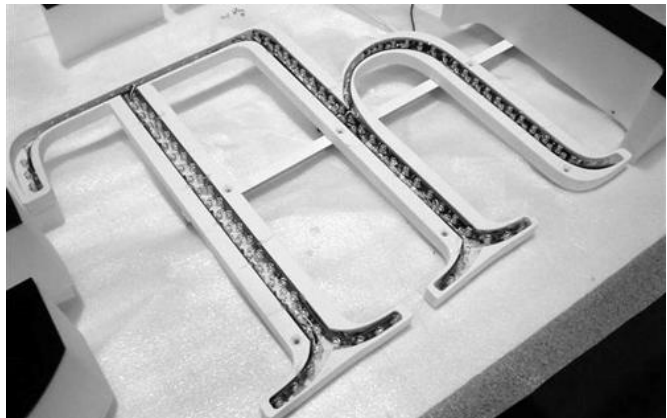
Custom Design Service:

Colors: red, yellow, blue, green, white, pink, violet etc;
Length: more or less than 36 cm (14 inch) as per request;
LED Quantity: more or less than 24 LEDs as per request;
Working Voltage: 24 VDC available as per request;
Waterproof treatment: available.

iSignage™ B24 for Signage Lighting



Ultra flexible and thin profile makes iSignage™ B24 ideal for slim channel letters. It can be easily mounted to the inner stroke of the letters.



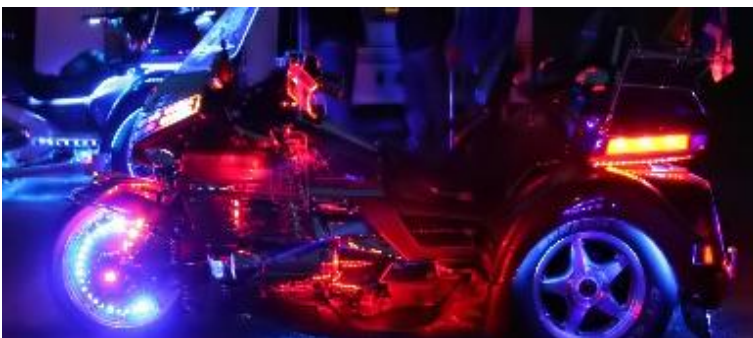
iSignage™ B24 for Indoor Decorative Lighting

With high flexibility and compact profile, iSignage™ B24 LED Flex Strip provides a highly versatile solution for a multitude of applications requiring space efficient lighting. You can apply this easy solution for wall or ceiling coves and any other imaginable places.



iSignage™ B24 for Motorcycle Decorative Lighting

No more breaking or hanging tubes every time you go over a speed bump on the rugged roadway. iSignage™ B24 LED Flex Strip introduces an innovative and ideal decorative solution for your motorcycles or bicycles. Featured with ultra flexible strip, compact size and 3M tape on the back, iSignage™ B24 is a fast and firm solution for your motorcycle decoration. Besides, ultra bright and wide beam angle LEDs makes your motorcycle and also yourself so cool speeding by.



Part Numbers

Part Number	Description	Unit
HFS-B024R-036400-L1	24LEDs, Red, 12VDC, 36 cm (14 inch)	pcs
HFS-B024Y-036400-L1	24LEDs, Yellow, 12VDC, 36 cm (14 inch)	pcs
HFS-B024B-036400-L1	24LEDs, Blue, 12VDC, 36 cm (14 inch)	pcs
HFS-B024G-036400-L1	24LEDs, Green, 12VDC, 36 cm (14 inch)	pcs
HFS-B024N-036400-L1	24LEDs, Natural White, 12VDC, 36 cm (14 inch)	pcs

Technical Specifications

Physical Specifications

Dimension	L360*W12*H0.8 mm (L14*W0.47*H0.03 inch)
Connectors	2-pin power connector
PCB Type	Black Flexible PCB
Work environment	applicable for dry environment

Electrical Specifications

Lighting Source	High Intensity LED
LED Quantity	24 LEDs
Operation Voltage	12 VDC
Operation Current	0.16 A
Power Consumption	1.8 W
Maximum series-wound quantity	20 pcs
Operation Temperature	-40 °C~40 °C(-40°F~104°F)
Power Supply	12 VDC QDriver™/XDriver™ LED Power Supply
Control System	QColor™ Remote Dimmer (HCD-00001-000000-RD)

Optical Specifications

Color Range	Red	Yellow	Blue	Green	White
Luminous Intensity (single LED)	300 mcd	310 mcd	350 mcd	800~1000 mcd	800 mcd
Lumens (one pcs)	21.12 lm	20.64 lm	24.96 lm	88.8 lm	84 lm
Efficiency	11.7lm/W	11.46lm/W	13.8lm/W	49.33lm/W	46.66lm/W
Wavelength	620~625	585~590	470~475	515~520	—*
Beam Angle	80 degree				
Lumen Maintenance	>95%@1,000hrs				

* Color Temperature: 5000~6500K



ATG ELECTRONICS

ATG Electronics Corp.

628 Zhangyang Road, Suite 1-21B, Shanghai 200122, CHINA
www.atgelectronics.com E-mail: sales@atgelectronics.com
Phone: +86-21-58350166 Fax: +86-21-58351977

V4.2-080214