



# oSignage™

X1 LED Module



ATG ELECTRONICS

ATG Electronics® oSignage™ X1 LED Module is designed for signage lighting and decoration, both indoor and outdoor are applicable.

oSignage™ X1 provides significant energy reductions, less maintenance cost compared with neon lighting.

oSignage™ X1 is square aluminum housing, with 1 High Power LEDs in, and available in solid colors. This thermal management makes the oSignage™ X1 high electrical-optic efficiency.

oSignage™ X1 can be cut at every 3 pcs to fit many applications; installed easily with 3M double-sided tape on the back or mounting holes.

oSignage™ X1 is IP65 rated, applicable for dry, wet, damp environment.

Operating on 12VDC low voltage, oSignage™ X1 is a safety luminaries and is compatible with our 12 VDC QDriver™/XDriver™ LED Power Supply. (Please visit

[http://www.atgelectronics.com/lighting/lighting10\\_20.html](http://www.atgelectronics.com/lighting/lighting10_20.html) for more information.)

If a dynamic lighting is required, oSignage™ X1 can also be connected with specified dimmer (QColor™ Remote Dimmer).

oSignage™ X1 is well employed for countless proposes such as lighting channel and reverse-channel letters, signs, billboard or advertising board, besides, oSignage™ X1 is also the ideal products for under-cabinet lighting, emergency exit lighting and decoration lighting. It has been successfully used in homes, hotels, restaurants, stores, shops and clubs etc.



ATG  
Electronics Corp.

Light your world  
Color your life!

**Feature & Benefits:**

Easy installation with 36 pcs modules per string, every 3 pcs per cut;  
High brightness and light efficiency with high power LEDs adopting American chips;  
Easy installation with 3M double-sided sticking tape;  
Long life span of 50,000 hours with little heat, high quality LEDs and proper drive characteristics;  
IP65 degree, applicable for dry, wet, damp environment;  
Safety and stable with low voltage (12VDC);  
Energy saving with low power consumption.

**Recommended Applications:**

Signage lighting (channel letter lighting, reverse channel letter lighting, signage back lighting etc) for your business purpose;

Under-cabinet lighting for your cabinets, cupboards etc in your homes, restaurant and any other places where you need a task lighting;

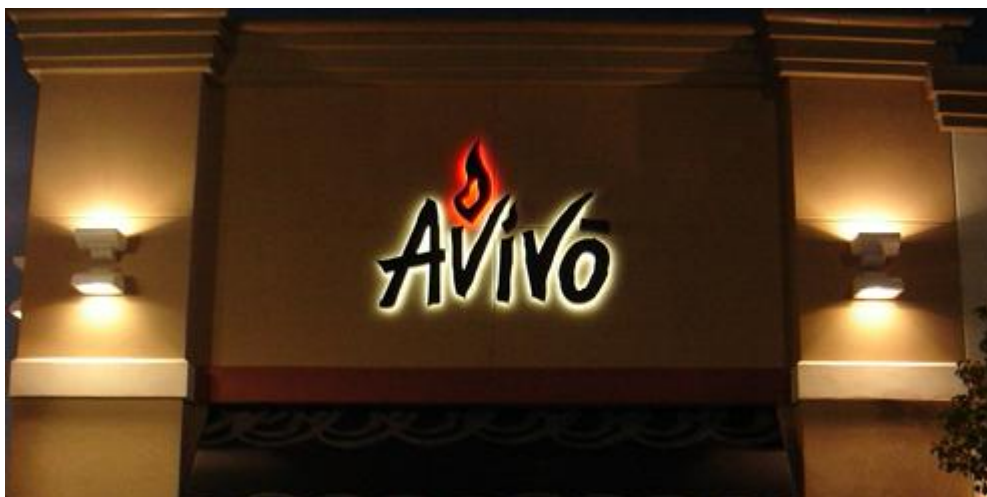
Decoration lighting (cove lighting, architecture lighting) for your homes, hotels, restaurants, stores, shops, clubs, bars etc.

**Custom Design Service:**

Colors: red, yellow, blue, green, white, pink, violet etc;

Working Voltage: 24 VDC available as per request.

## oSignage™ X1 for Signage Lighting



## oSignage™ X1 for Under-Cabinet Lighting



A well-illuminated signage will impress the drive-by customers both day and night. Catching the eyes of potential customers is the first and also a very important step to improve your business. With consistent and high brightness, oSignage™ X1 provides an excellent lighting way for your building signages, channel letters, signboards to draw attentions.

## oSignage™ X1 for Decoration Lighting



With IP65 degree, oSignage™ X1 is also a good option for your both indoor and outdoor decoration lighting. High power LEDs endue oSignage™ X1 with high brightness at low power consumption. So just adopt this high light efficiency and ultra bright light fixture to ornament inside or outside your places.



## Part Numbers

Part Number	Description	Unit
HMZ-X001R-005600-L1	oSignage X1 LED Module, Waterproof, 1LEDs*1W, Red, 12VDC, 120 degree, L38*W31mm	pcs
HMZ-X001Y-005600-L1	oSignage X1 LED Module, Waterproof, 1LEDs*1W, Yellow, 12VDC, 120 degree, L38*W31mm	pcs
HMZ-X001B-005600-L1	oSignage X1 LED Module, Waterproof, 1LEDs*1W, Blue, 12VDC, 120 degree, L38*W31mm	pcs
HMZ-X001G-005600-L1	oSignage X1 LED Module, Waterproof, 1LEDs*1W, Green, 12VDC, 120 degree, L38*W31mm	pcs
HMZ-X001N-005600-L1	oSignage X1 LED Module, Waterproof, 1LEDs*1W, Natural White, 12VDC, 120 degree, L38*W31mm	pcs

## Technical Specifications

### Physical Specifications

Dimension	L38*W31*H12 mm(L1.5*W1.22*H0.47 inch)
Connectors	2-pin power connector
Housing	Aluminum Housing
IP Rating(Work environment)	IP65 (applicable for dry, wet, damp environment)

### Electrical Specifications

Lighting Source	High Power LEDs
LED Quantity	1 LEDs
Operation Voltage	12 VDC
Operation Current	330mA
Power Consumption	1W
Operation Temperature	-20°C~40°C (-4°F~104°F)
Maximum Series-wound Quantity	36 pcs
Power Supply	12 VDC QDriver™/XDriver™ LED Power Supply
Dimming System	QColor™ Remote Dimmer (Part Number: HCD-00001-000000-RD)

### Optical Specifications

Color Range	Red	Yellow	Blue	Green	White
Lumens ( one pcs)	35 lm	30 lm	15 lm	50 lm	60 lm
Efficiency	35 lm/W	30 lm/W	15 lm/W	50 lm/W	60 lm/W
Wavelength	620~625	580~585	470~475	515~520	—*
Beam Angle	120 degree				
Lumen Maintenance	>95%@1,000hrs				

\* Color Temperature: 5,000~6,500K



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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

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