



# 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 IP68 rated, can be submerged into water.

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;  
IP68 degree, ideal for indoor and outdoor applications;  
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;

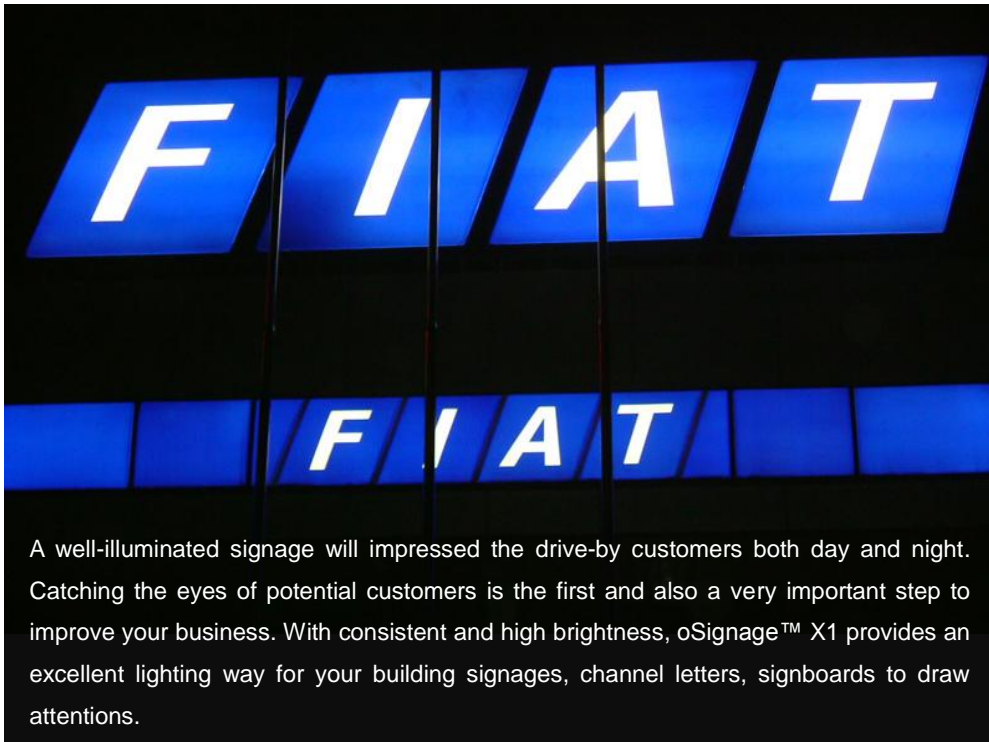
Decoration lighting (cove lighting, architecture lighting) for your homes, hotels, restaurants, stores, shops, clubs, bars etc.

**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 impressed 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 IP68 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)	IP68 (submersible)

### 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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