

oSignage™

WP Series LED Modules



ATG ELECTRONICS



ATG Electronics® oSignage™ WP series LED Modules are designed for signage lighting and decoration, both indoor and outdoor are applicable; they are ideal alternatives to neon or fluorescent tubes. Color is available in red, yellow, blue, green, white and RGB.

oSignage™ WP3 is oblong shape, with 3LEDs in, and available in solid colors.

oSignage™ WP4 and WP6 are square shape, with 4LEDs and 6LEDs in, and available in solid colors.

oSignage™ WP6T is square shape, with 6LEDs in, and available in RGB colors. DynColor™ 300-FS, QColor™ 310-FS and QColor™ 020-FS are the related controllers available.

oSignage™ WP series LED Modules are 12VDC input; different models of power supplies are available for your choice. (Please visit www.atgelectronics.com/lighting/lighting10_20.html for more information.)

oSignage™ WP series LED Modules can be easily installed onto the surface of the channel letters with the 3M double-sided sticking tape on the back. The red-black power cable between each module is 100mm (3.94 inch) long; they can be cut and powered up at every one piece or re-connected to apply specific length.

oSignage™ WP series LED Modules are IP68 rated, can be submerged into water. When dimming function needed, you can install a QColor™ Remote Dimmer on the main cable.

oSignage™ WP series LED Modules are the ideal products to light up channel letters, signboards, besides, they can be used for under-counter lighting or decoration lighting. They have been successfully used in homes, hotels, restaurants, stores, shops and clubs etc.

ATG
Electronics Corp.

Light your world
Color your life!

Features:

High brightness with ultra bright LEDs in high intensity;
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;
With 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-counter lighting for your cabinets, cupboards etc in your homes, restaurant and any other places where you need accent lighting;

Decoration lighting for your homes, hotels, restaurants, stores, shops, clubs, bars etc.

Custom Design Service:

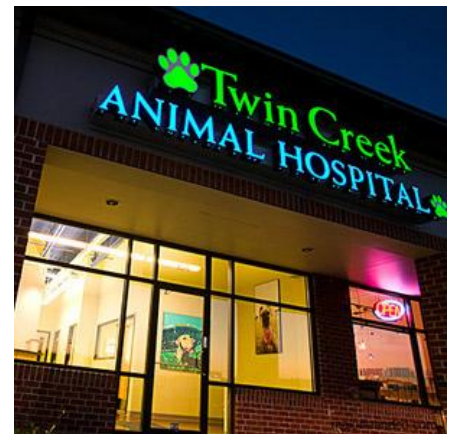
Colors: red, yellow, blue, green, white, pink, violet etc;
LED Qty: more or less than 3 LEDs or 4LEDs or 6LEDs;

Working Voltage: 24 VDC available as per request.

oSignage™ WP series for Signage Lighting



In order to improve brand recognition, good signage lighting is of great importance. With high intensity and ultra bright LEDs, the light output of oSignage™ WP series are bright and eye catchy, so just use the effective way to sign your business. With slim design, oSignage™ WP series are especially suitable for lighting channel letters.



oSignage™ WP series for Under-counter Lighting

To increase lighting efficiency, it is a good solution to install oSignage™ WP underneath the cabinets in your kitchens, office cubicles to illuminate the work surface. No more so many wasted overhead luminaires, no more so low light utilization, just use oSignage™ WP to save much energy and get an ideal task lighting.



oSignage™ WP series for Decoration Lighting

With 3M tape on the back and low operation voltage, oSignage™ WP is a quick and safe lighting device. You can enhance the look of your sitting room, bedroom, kitchen etc to change the overall atmosphere and feel of your place. So, even if your place are old and beat up, the pretty light of oSignage™ WP can also revive it to a beautiful look.



oSignage™ WP6T for Signage Lighting

Channel letters are currently the number one choice of sign identification for business professionals. So to stand out your channel letter is vitally important for your business expansion. oSignage™ WP6T provides dynamic lighting which can much more easily catch eyes than static channel letter lighting.





oSignage™ WP3 LED Modules

Part Numbers

Part Number	Description	Unit
HMZ-Z003R-007400-L1	Waterproof, 3LEDs, Red, 12VDC, 80 degree	pcs
HMZ-Z003Y-007400-L1	Waterproof, 3LEDs, Yellow 12VDC, 80 degree	pcs
HMZ-Z003B-007400-L1	Waterproof, 3LEDs, Blue, 12VDC, 80 degree	pcs
HMZ-Z003G-007400-L1	Waterproof, 3LEDs, Green, 12VDC, 80 degree	pcs
HMZ-Z003N-007400-L1	Waterproof, 3LEDs, Natural White, 12VDC, 80 degree	pcs

Technical Specifications

Physical Specifications

Dimension	L61*W18*H12 mm (L2.4*W0.71*H0.47 inch)
Weight	20 g
Connectors	2-pin power connector
Housing	PVC PCB
IP Rating (Work environment)	IP68 (submersible)

Electrical Specifications

Lighting Source	Super Flux LEDs
LED Quantity	3 LEDs
Operation Voltage	12 VDC
Operation Current	20 mA
Power Consumption	0.24 W
Operation Temperature	-40°C~40°C (-40°F~104°F)
Maximum Series-wound Quantity	60 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
Luminous Intensity (single LED)	1.02 mcd	1.05 mcd	1.1 mcd	3.6 mcd	3.8 mcd
Lumens (one pcs)	3.06 lm	3.15 lm	3.3 lm	10.8 lm	11.4 lm
Efficiency	12.75 lm/W	13.13 lm/W	13.75 lm/W	45 lm/W	47.5 lm/W
Wavelength	620~625	580~585	470~475	515~520	—*
Beam Angle	80 degree				
Lumen Maintenance	>95%@1,000hrs				

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



oSignage™ WP4 LED Modules

Part Numbers

Part Number	Description	Unit
HMZ-Z004R-004400-L1	Waterproof, 4LEDs, Red, 12VDC, 80 degree	pcs
HMZ-Z004Y-004400-L1	Waterproof, 4LEDs, Yellow 12VDC, 80 degree	pcs
HMZ-Z004B-004400-L1	Waterproof, 4LEDs, Blue, 12VDC, 80 degree	pcs
HMZ-Z004G-004400-L1	Waterproof, 4LEDs, Green, 12VDC, 80 degree	pcs
HMZ-Z004N-004400-L1	Waterproof, 4LEDs, Natural White, 12VDC, 80 degree	pcs

Technical Specifications

Physical Specifications

Dimension	L32*W32*H10 mm (L1.26*W1.26*0.39 inch)
Weight	24 g
Connectors	2-pin power connector
Housing	PVC PCB
IP Rating (Work environment)	IP68 (submersible)

Electrical Specifications

Lighting Source	Super Flux LEDs
LED Quantity	4 LEDs
Operation Voltage	12 VDC
Operation Current	40 mA
Power Consumption	0.48 W
Operation Temperature	-40°C~40°C (-40°F~104°F)
Maximum Series-wound Quantity	50 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
Luminous Intensity (single LED)	1.02 mcd	1.05 mcd	1.1 mcd	3.6 mcd	3.8 mcd
Lumens (one pcs)	4.08 lm	4.2 lm	4.4 lm	14.4 lm	15.2 lm
Efficiency	8.5 lm/W	8.75 lm/W	9.2 lm/W	30 lm/W	31.7 lm/W
Wavelength	620~625	580~585	470~475	515~520	—*
Beam Angle	80 degree				
Lumen Maintenance	>95%@1,000hrs				

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



oSignage™ WP6 LED Modules

Part Numbers

Part Number	Description	Unit
HMZ-Z006R-004400-L1	Waterproof, 6LEDs, Red, 12VDC, 80 degree	pcs
HMZ-Z006Y-004400-L1	Waterproof, 6LEDs, Yellow 12VDC, 80 degree	pcs
HMZ-Z006B-004400-L1	Waterproof, 6LEDs, Blue, 12VDC, 80 degree	pcs
HMZ-Z006G-004400-L1	Waterproof, 6LEDs, Green, 12VDC, 80 degree	pcs
HMZ-Z006W-004400-L1	Waterproof, 6LEDs, Warm White, 12VDC, 80 degree	pcs
HMZ-Z006N-004400-L1	Waterproof, 6LEDs, Natural White, 12VDC, 80 degree	pcs
HMZ-Z006C-004400-L1	Waterproof, 6LEDs, Cold White, 12VDC, 80 degree	pcs

Technical Specifications

Physical Specifications

Dimension	L32*W32*H10 mm (L1.26*W1.26*0.39 inch)
Weight	24 g
Connectors	2-pin power connector
Housing	PVC PCB
IP Rating (Work environment)	IP68 (submersible)

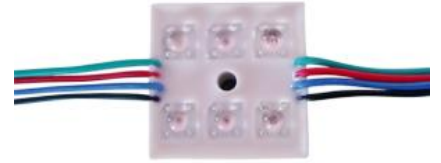
Electrical Specifications

Lighting Source	Super Flux LEDs
LED Quantity	6 LEDs
Operation Voltage	12 VDC
Operation Current	60 mA
Power Consumption	0.72 W
Operation Temperature	-40°C~40°C (-40°F~104°F)
Maximum Series-wound Quantity	50 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
Luminous Intensity (single LED)	1.02 mcd	1.05 mcd	1.1 mcd	3.6 mcd	3.8 mcd
Lumens (one pcs)	6.12 lm	6.3 lm	6.6 lm	21.6 lm	22.8 lm
Efficiency	8.5 lm/W	8.75 lm/W	9.17 lm/W	30 lm/W	31.7 lm/W
Wavelength	620~625	580~585	470~475	515~520	—*
Beam Angle	80 degree				
Lumen Maintenance	>95%@1,000hrs				

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



oSignage™ WP6T LED Modules

Part Numbers

Part Number	Description	Unit
HMZ-Z006T-004400-L1	Waterproof, 6LEDs, RGB, 12VDC, 80 degree	pcs

Technical Specifications

Physical Specifications

Dimension	L32*W32*H10 mm (L1.26*W1.26*0.39 inch)
Weight	24 g
Connectors	4-pin data connector
Housing	PVC PCB
IP Rating (Work environment)	IP68 (submersible)

Electrical Specifications

Lighting Source	Super Flux LEDs
LED Quantity	6 LEDs
Operation Voltage	12 VDC
Operation Current	60 mA
Power Consumption	0.72 W
Operation Temperature	-40°C~40°C (-40°F~104°F)
Maximum Series-wound Quantity	60 pcs
Power Supply	12 VDC QDriver™/XDriver™ LED Power Supply
Control System	DynColor™ 300-FS RGB DMX Controller(Part Number: HCD-00300-000000-FS) QColor™ 310-FS RGB Mini Controller(Part Number: HCD-00310-000000-FS) QColor™ 020-FS RGB Remote Controller(Part Number: HCD-00020-000000-FS)

Optical Specifications

Color Range	RGB		
Lumens (one pcs)	11.44 lm		
Efficiency	16 lm/W		
Wavelength	Red: 620~625	Green: 515~520	Blue: 470~475
Beam Angle	80 degree		
Lumen Maintenance	>95%@1,000hrs		



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