

All we know is LED modules

Made in Korea



LED DIVERSITY

LED DURABILITY



140° Beam Angle



160° Beam Angle



170° Beam Angle



US Design Patent
US D858,809S
US D861,922S

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INTELLECT LED
INNOVATORS IN LIGHTING SOLUTIONS

V05 Lens 3-LED Samsung Chip

Unmatched in quality and value, the Samsung 3-LED Series is available in 3000K, 6500K or 9000K. Manufactured with highly efficient 2835 SMD Samsung Chips and 99.99% 18 AWG copper wire.

Protection Class.....IP68

Operating Temperature.....-22° ~ 158° F

Life Rating.....>50,000 hours

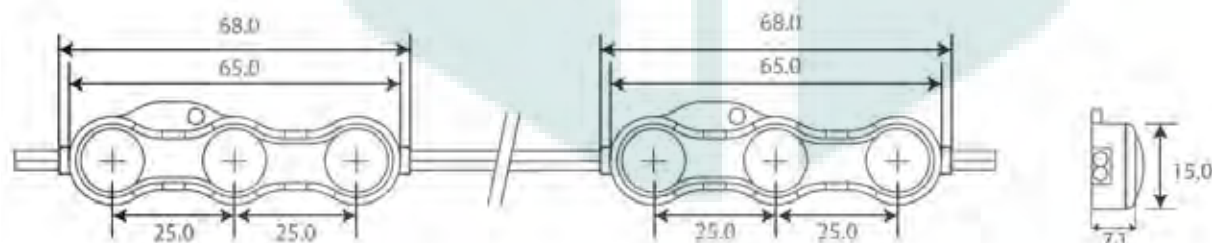
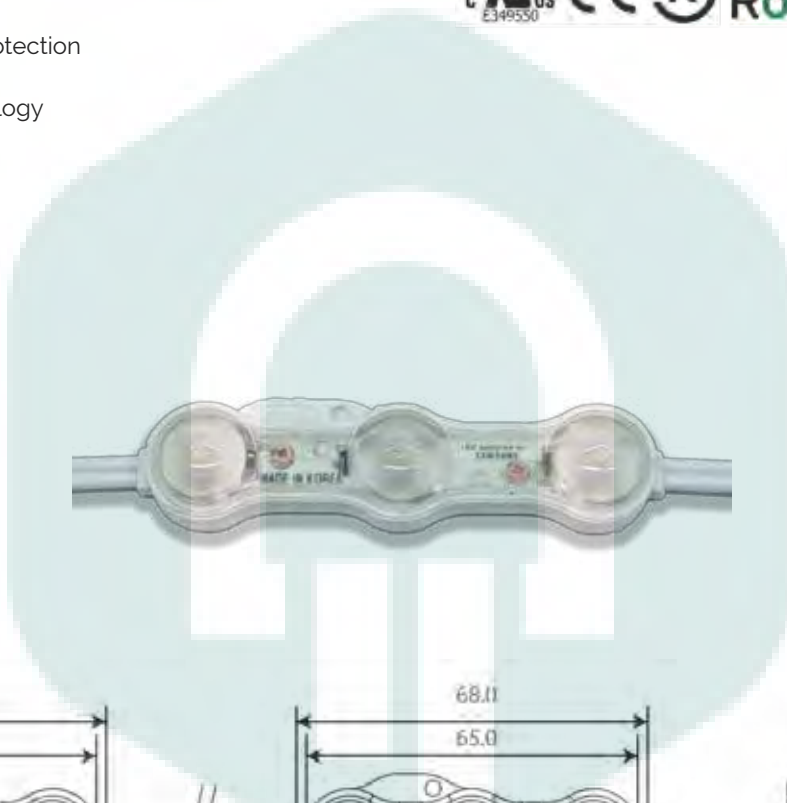
Fastening.....3M tape & mechanical



.....Non-Polarized Wires

.....Reverse Circuit Protection

.....Wire-Thru Technology



Unit: mm

Group	Part Number	Color	Beam Angle	CCT (Kelvin)	Intensity		Current (mA)	Wattage	Wire length (in)	Module/ft
					Lm/W	Lm				
Lens 3-LED Samsung Chip	Z3V-05-O3-a7-072-S2	Warm White	170°	3000K	86	62	60	0.72	3.1	2
	M3V-05-W6-a8-072-S2	Daylight White	200°	6500K	100	72	60	0.72	3.1	2
	Z3V-05-W9-a7-072-S2	Cool White	170°	9000K	106	76	60	0.72	3.1	2
	M3V-05-W6-a8-120-S2	Daylight White	200°	6500K	109	131	100	1.20	3.1	2
	Z3V-05-W9-a7-120-S2	Cool White	170°	9000K	108	130	100	1.20	3.1	2
	Z3V-05-W9-a4-120-S2	Cool White	140°	9000K	104	125	100	1.20	3.1	2

V05 Lens 3-LED Korean Chip

Stand out in the crowd with the brightest LED modules in its class.

Manufactured with highly efficient 2835 SMD Korean Chips and 99.99% 18 AWG copper wire.

Protection Class.....IP68

Operating Temperature.....-22° ~ 158° F

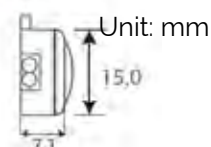
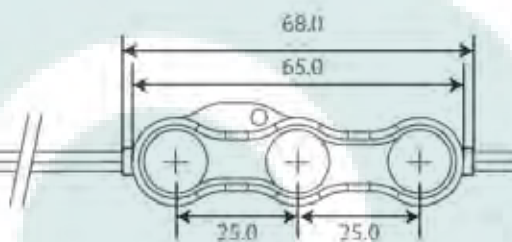
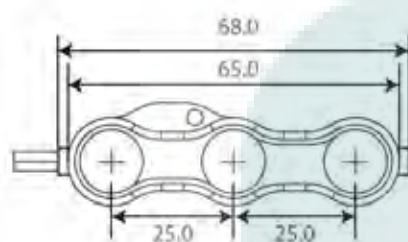
Life Rating.....>50,000 hours

Fastening.....3M tape & mechanical

.....Non-Polarized Wires

.....Reverse Circuit Protection

.....Wire-Thru Technology



Z3V-05-R-a7-072-K2



Red / 170° / 0.72 Watt

Z3V-05-G-a7-072-K2



Green / 170° / 0.72 Watt

Z3V-05-B-a7-072-K2



Blue / 170° / 0.72 Watt

Z3V-05-Y-a7-072-K2



Yellow / 170° / 0.72 Watt

Z3V-05-P-a7-072-K2



Pink / 170° / 0.72 Watt

Z3V-05-T-a7-072-K2



Aqua / 170° / 0.72 Watt

Group	Part Number	Color	Beam Angle	CCT (Kelvin)	Wave-length (nm)	Intensity		Current (mA)	Wattage	Wire length (in)	Module/ft
						Lm/W	Lm				
Lens 3-LED 0.72W Korean Chip	Z3V-05-W10-a7-072-X2	White	170°	10000K	NA	93	67	60	0.72	3.1	2
	Z3V-05-R-a7-072-K2	Red	170°	NA	630	22	16	60	0.72	3.1	2
	Z3V-05-G-a7-072-K2	Green	170°	NA	520	67	48	60	0.72	3.1	2
	Z3V-05-B-a7-072-K2	Blue	170°	NA	460	14	10	60	0.72	3.1	2
	Z3V-05-Y-a7-072-K2	Yellow	170°	NA	585	24	17	60	0.72	3.1	2
	Z3V-05-P-a7-072-K2	Pink	170°	NA	NA	11	8	60	0.72	3.1	2
	Z3V-05-T-a7-072-K2	Aqua	170°	NA	485	20	14	60	0.72	3.1	2

V05 Lens 1-LED Samsung Chip

The brightest option in the smallest package.

Manufactured with highly efficient 2835 SMD Samsung Chips and 99.99% 18 AWG copper wire.

Protection Class.....IP68

Operating Temperature.....-22° ~ 158° F

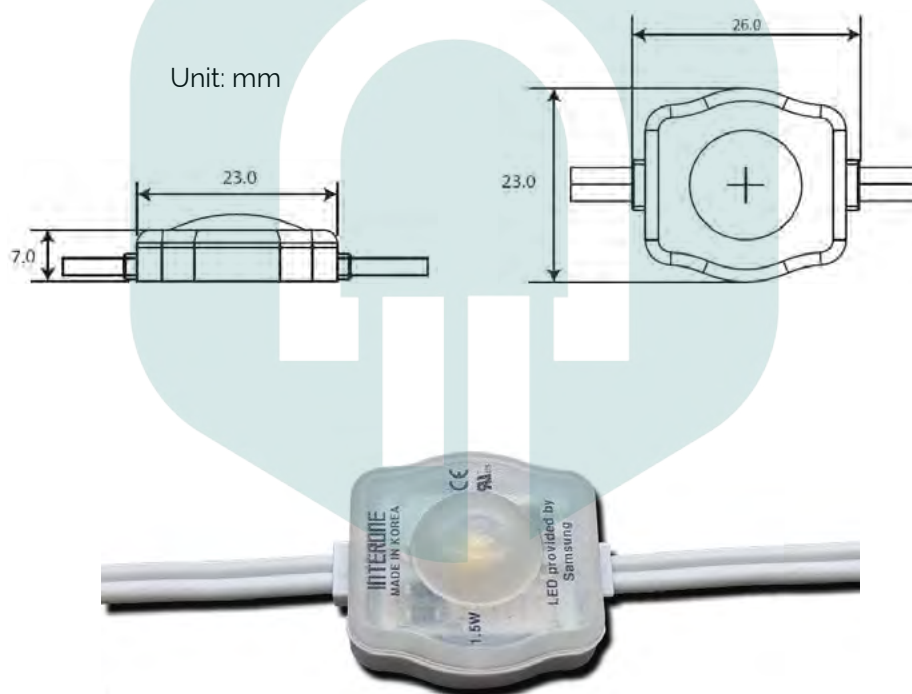
Life Rating.....>50,000 hours

Fastening.....3M tape

.....Non-Polarized Wires

.....Reverse Circuit Protection

.....Wire-Thru Technology



6500K / 170° / 1.2 Watt

Group	Part Number	Color	Beam Angle	CCT (Kelvin)	Wave-length (nm)	Intensity		Current (mA)	Wattage	Wire length (in)	Module/ft
						Lm/W	Lm				
Lens 1-LED Samsung Chip	Z1V-05-W6-a7-120-S2	White	170	6500K	NA	92	110	100	1.2	3.1	3
	Z1V-05-O3-a7-120-S2	Warm White	170	3000K	NA	78	94	100	1.2	3.1	3

3000K available for special order only

V05 Lens 4-LED Samsung Chip

High power 4-LED module for wide light distribution.

Manufactured with highly efficient 2835 SMD Samsung Chips and 99.99% 18 AWG copper wire.

Protection Class.....IP68

Operating Temperature.....-22° ~ 158° F

Life Rating.....>50,000 hours

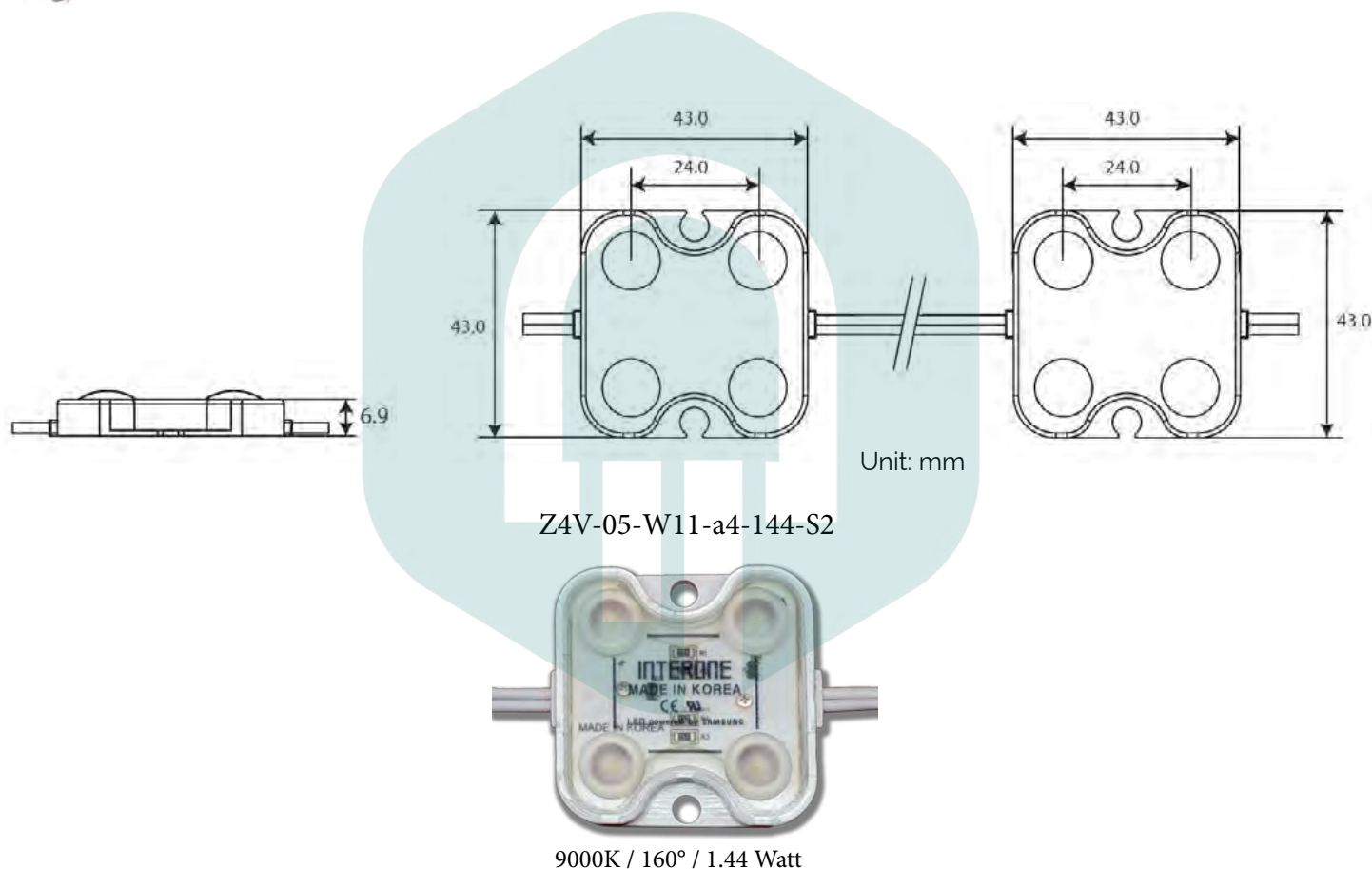
Fastening.....3M tape & mechanical



.....Non-Polarized Wires

.....Reverse Circuit Protection

.....Wire-Thru Technology



9000K / 160° / 1.44 Watt

Group	Part Number	Color	Beam Angle	CCT (Kelvin)	Wave-length (nm)	Intensity		Current (mA)	Wattage	Wire length (in)	Module/ft
						Lm/ W	Lm				
Lens 4-LED Samsung Chip	Z4V-05-W9-a6-144-S2	White	160°	9000K	NA	81	117	120	1.44	3.9	2
	Z4V-05-O3-a4-144-S2	Warm White	140	3000K	NA	77	111	120	1.44	3.9	2

3000K model available for special order only

RGB Series

Nearly 17 million possible colors, and infinite combinations.

Manufactured with 5050 SMD Korean Chips and 99.99% 18 AWG copper wire.

Protection Class.....IP68

Operating Temperature.....-22° ~ 158° F

Life Rating.....>50,000 hours

Fastening.....3M tape & mechanical



.....Reverse Circuit Protection

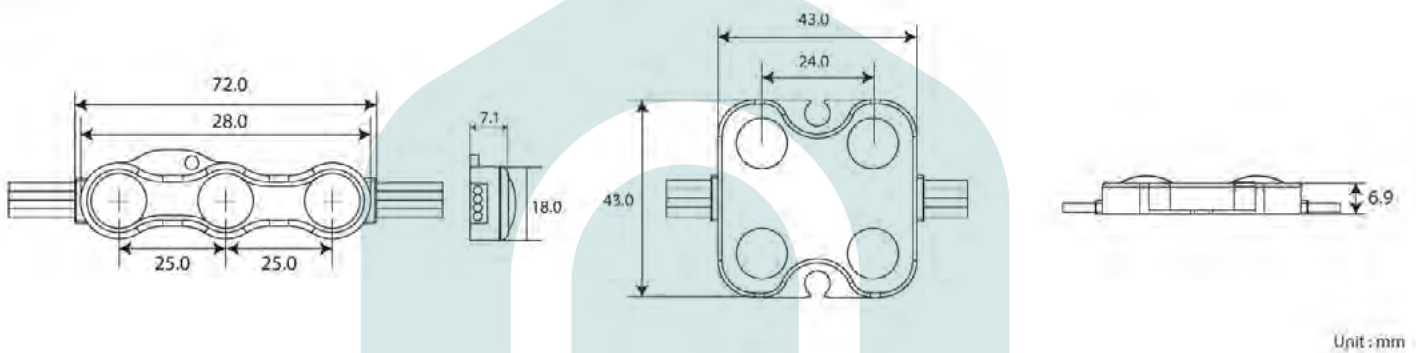


.....Wire-Thru Technology



Z3U-V5F

Z4U-V5F



RGB / 160° / 0.72 Watt



RGB / 140° / 1.44 Watt

Group	Part Number	LED	Beam Angle	CCT (Kelvin)	Wave-length (nm)	Intensity		Current (mA)	Wattage	Wire length (in)	Module/ft
						Lm/ W	Lm				
RGB	Z3V-5F-F-a6-072-K2	3	160°	NA	NA	33	24	60	0.72	3.7	2
	Z4V-5F-F-a6-144-K2	4	140°	NA	NA	28	40	120	1.44	3.9	2

Tiny Series

Every tiny module is carefully crafted by hand for superior quality in a tiny package.

Manufactured with 2835 SMD Samsung Chips and 99.99% 20 AWG copper wire.

Protection Class.....IP68

Operating Temperature.....-22° ~ 158° F

Life Rating.....>50,000 hours

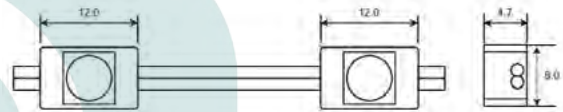
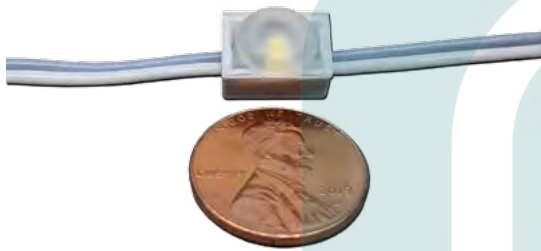
Fastening.....3M tape

.....Reverse Circuit Protection

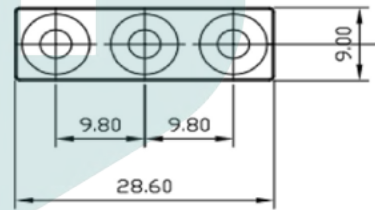
.....Wire-Thru Technology



V05 Lens 1-LED



V05 Lens 3-LED



Group	Part Number	Color	Beam Angle	CCT (Kelvin)	Wave-length (nm)	Intensity		Current (mA)	Wattage	Wire length (in)	Module/ft
						Lm/W	Lm				
Tiny Lens 1-LED	Z1V-5T-O3-a6-024-S2	Warm	160°	3000K	NA	80	19	20	0.24	1.0	8
	Z1V-5T-W6-a6-024-S2	White	160°	6500K	NA	104	25	20	0.24	1.0	8
Tiny Lens 3-LED	Z3V-5T-O3-a6-048-S2	Warm	160	3000K	NA	83	40	40	0.48	1.7	4
	Z3V-5T-W6-a6-048-S2	White	160	6500K	NA	90	43	40	0.48	1.7	4
	Z3V-5T-W9-a6-048-S2	White	160	9000K	NA	93	45	40	0.48	1.7	4

Addressable Module

Individually addressable RGB modules for programmable displays or advanced lighting needs.
Manufactured with WS 2818B IC Chips and 99.99% 18 AWG copper wire.

Protection Class.....IP68

Operating Temperature.....-22° ~ 158° F

Life Rating.....>50,000 hours

Fastening.....3M tape

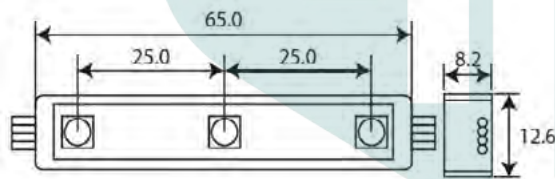


.....Reverse Circuit Protection



.....Wire-Thru Technology

Unit: mm



Z3V-3D-F-a2-072-W2



RGB Addressable / 125° / 0.72

Color	Part Number	LED	Beam Angle	CCT (Kelvin)	Wave-length (nm)	IC Chip	Current (mA)	Wattage	Wire length (in)	Module/ft
RGB	Z3C-3D-F-a2-072-W2	3	125°	NA	NA	WS2818B	60	0.72	3.1	2
White	Z3C-3D-W10-a2-072-W2	3	125°	10000K	NA		60	0.72	3.1	2

Bang Bang Module

Preprogrammed flashing moving lights for attention-grabbing effect.
Manufactured with SMD 5050 Korean Chips and 99.99% 18 AWG copper wire.
Requires our FCC controller.

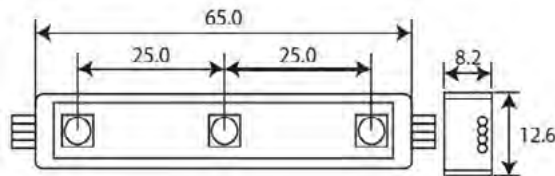
Protection Class.....IP68

Operating Temperature.....-22° ~ 158° F

Life Rating.....>50,000 hours

Fastening.....3M tape

Unit: mm



Z3V-3B-F-a2-072-K5



RGB / 125° / 0.72 Watt

Group	Part Number	LED	Beam Angle	CCT (Kelvin)	Wavelength (nm)	Current (mA)	Wattage	Wire length (in)	Module/ft
BB	Z3V-3B-F-a2-072-K5	3	125°	RGB	NA	60	0.72	3.1	2
	Z3V-3B-W10-a2-072-K5	3	125°	10000K	NA	60	0.72	3.1	2

SMPS (Switch Mode Power Supply)

Also known as LED Drivers, our SMPS units are top of the line. By utilizing switch mode, power efficiency is greatly increased over other brands.

- * Constant Voltage
- * Variable AC input (90~277 VAC)
- * IP62/68 construction with waterproof enclosure
- * Protection: Short Circuit / Over Temp. / Over Voltage
- * Class 2 power unit (60W/12V, 100W/24V)
- * Aluminum Case
- * 100% full load burn-in test
- * 5 years warranty (3 years on IPS series)
- * LLC current resonant technology with 94-96% efficiency, reduced size and increased reliability.

Made in Korea



New-Slim Design

IP60-12V / IP100-24V



60W - 12VDC / 100W - 24VDC

EP60-12V



60W - 12VDC

EP100-12V



100W - 12VDC

EP150-12V



150W - 12VDC

EP200-12V



200W - 12VDC

EP300-12V



300W - 12VDC

Part Number	Input Voltage	PFC	Output	Wattage	Class	Size (inch)			Case	Enclosure	Warranty
						L	W	H			
IP100-24V	90-277VAC	No	12V / 4.15A	100W	2	6.6	1.8	1.3	Plastic	IP62	3 Years
IP60-12V	90-277VAC	No	12V / 5A	60W	2	6.6	1.8	1.3	Plastic	IP62	3 Years
EP60-12V	90-277VAC	No	12V / 5A	60W	2	7.0	1.2	0.8	Aluminum	IP68	5 Years
EP100-12V	90-277VAC	No	12V / 8.3A	100W	1	7.6	2.1	1.4	Aluminum	IP68	
EP150-12V	90-277VAC	No	12V / 12.5A	150W	1	8.8	2.1	1.4	Aluminum	IP68	
EP200-12V	90-277VAC	Yes	12V / 16.7A	200W	1	8.8	2.1	1.4	Aluminum	IP68	
EP300-12V	90-277VAC	Yes	12V / 25A	300W	1	9.6	2.6	1.7	Aluminum	IP68	

Controllers

All of our LED Controllers are pre-programmed and some model has programmable modes.

RGB FCC Controllers can be combined together to extend multiple channels.



Dimmer

Dim-1



1 Channel Dimmer

FCC-401



RGBW Controller

RGB Controllers

FCC-500



RGB Controller

FCC-3



3 Channel RGB Controller

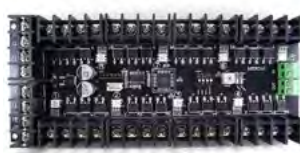
RGB Controllers

FCC-5



5 Channel RGB Controller

FCC-8



8 Channel RGB Controller

DMX Controllers

H802SE



Programmable DMX Controller

HC008



Pre-Programmed 133 Modes DMX Controller

Model	Part Number	Controller Type	Channel	Max Power	Built-In Modes	Programmable
Dimmer	Dim-1	Dimmer	1	360W	N/A	x
RGBW Controller	FCC-401	RGBW/CCT	1	288W		x
RGB Controller	FCC-500	RGB	1	300W	33	x
3 Channel RGB	FCC-3	RGB	5	600W	4	x
5 Channel RGB	FCC-5	RGB	8	1000W	7	x
8 Channel RGB	FCC-8	RGB	4	1200W	4	x
4 Channel DMX	H802SE	DMX	4	6144 Pixels	133	✓
2 Channel DMX	HC008	DMX	2	2048 Pixels	133	x

Accessories

2P Wire



18 AWG UL, 99.9% Copper, Made in Korea,
2 Conductors, 2000 Feet/Roll

4P Wire



18 AWG UL, 99.9% Copper, Made in Korea,
4 Conductors, 100 meter/Roll

Screw Seal



Waterproof wire connectors , Requires any Torch
(Lighter) or Solder Iron to seal the connector.

Automatic Wire Stripper



For 10-24 AWG wires

Power Supply Junction Box



6.3" W x 10" L x 3.5" D
ABS 94-HB material

Dome Cap



Cap body and frosted cover for any of our LED
modules - suitable for Indoor, outdoor application



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