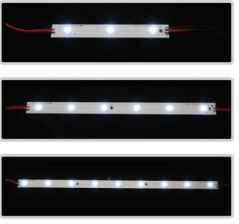




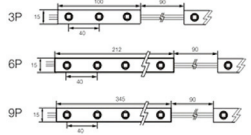
- Low Power consumption with highlight energy converting rate. (90% Compare to Neon)
- Effective visibility with customized design and vivid color for Channel.
- Higher durability, water and dust proof ability.
- Safe use with low electric pressure (DC 12V)
- Lower repair and maintenance cost by semi permanent use.
- Eco-friendly item used and No-harmful gas emission.
- Simple installation.



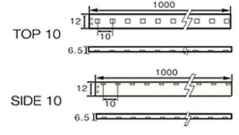
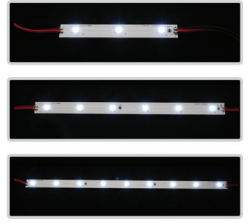
● LED Lighting

## LED Lighting Module

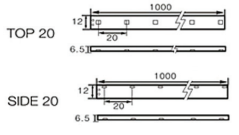
LONG LIFE LED APPLIED  
R U N A L U X - ver.10



BAR Type



FLEXIBLE Type



RGB Controller



### ■ LED BAR Type

[ TA = 25°C ]

Model	Size(mm)	Color	Voltage(V)	Electric current(mA)	Electric power(W)	Weight(g)	Emission angle( ° )	Brightness(cd)	Quantity of light(lm)	Advised connection(EA)	LED interval(mm)	Wavelength(mm)	Module interval(mm)	Package unit(EA)	Power capacity(W)
HS-BAR 3PA	(Dimension) 100 X 15 X 3	White	DC12	50	0.6	10	120	18	45	50	40	430	90	50	(SMPS) Number of Modules x consumed power of Module x 1.3
HS-BAR 6PA	(Dimension) 212 X 15 X 3	White	DC12	100	1.2	17	120	36	90	50	40	430	90	50	
HS-BAR 9PA	(Dimension) 345 X 15 X 3	White	DC12	150	1.8	25	120	54	135	30	40	430	90	50	

### ■ LED FLEXIBLE Type

[ TA = 25°C ]

Model	Size(mm)	Color	Voltage(V)	Electric current(mA)	Electric power(W)	Weight(g)	Emission angle( ° )	Brightness(cd)	Advised connection(EA)	LED interval(mm)	Package unit(EA)	Power capacity(W)
HS-FLEX TOP 10	(Dimension) 1000 X 12 X 6	White, RGB	DC12	688/m	8.2/m	68	120	2.0 x 96	5	10	10	(SMPS) Number of Modules x consumed power of Module x 1.3
HS-FLEX TOP 20		White, RGB	DC12	344/m	4.1/m	62	120	2.0 x 48	5	20	10	
HS-FLEX SIDE 10		White	DC12	688/m	8.2/m	62	120	1.1 x 96	5	10	10	
HS-FLEX SIDE 20		White	DC12	344/m	4.1/m	60		1.1 x 48	5	20	10	

### ■ RGB Controller

[ TA = 25°C ]

Model	Size(mm)	Output current(A)	Voltage(V)	Electric power(W)	Weight(g)	Operation TEMP	Data communication	Mode Display	Dip switch	Rotary S/W
RGB Full Color Controller(12V)	(Dimension)100 X 20 X 115	5 / ch / color	DC12	200W	320	-20~85	RS485, 2LINE (A,B port)	FND (7 SEGMENT, 4 DIGIT)	5 Dip switch, Max 24 ID setting	
RGB Full Color Controller(5V)	(Dimension)100 X 20 X 115	5 / ch / color	DC5	25W	320	-20~85	RS485, 2LINE (A,B port)	FND (7 SEGMENT, 4 DIGIT)	5 Dip switch, Max 24 ID setting	
5 CH RGB Full Color Controller	(Dimension)114 X 43 X 20	5 / ch / color	DC12	5/ch/color X 5 X 12		-20~85		5	4 Dip switch	0~9 Stage