# BL05 G - LED Stick G type

Wamco

INTRODUCTION

Wamco LED Stick series **BL05-G** is a linear lighting system for interior applications such as path, cove, shelf, and display case lighting. **BL05-G** uses RGB full color technology allowing for smooth color changing effects. **BL05-G** has 4 length options: 300mm, 600mm, 900mm and 1200mm. **BL05-G** provides many advantages including brilliant light output, significant energy savings, and reduced maintenance costs.

FEATURES

• RGB full color for dramatic color changing
• Attached by 3M adhesive tape
• 4 length options
• Safety due to low voltage operation (**24VDC**)
• 3 year warranty
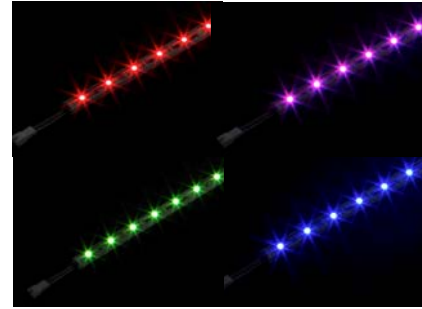
APPLICATIONS

• Path and cove lighting
• Shelf and display case lighting

CERTIFICATIONS

CE   ISO 9001 ISO14001   RoHS

• CE, RoHS

SPECIFICATIONS

Model	Color	Length (PCB/Total)	LED Q'ty	Input Vol.	Power	View angle	Lum.Flux
WL-BL05G-RGB-300mm (WL-B05G03F0300)	RGB	(300/306)mm	10pcs	24VDC	3.5W	120°	76lm
WL-BL05G-RGB-600mm (WL-B05G07F0600)	RGB	(600/607)mm	20pcs	24VDC	7W	120°	152lm
WL-BL05G-RGB-900mm (WL-B05G10F0900)	RGB	(900/908)mm	30pcs	24VDC	10.5W	120°	228lm
WL-BL05G-RGB-1200mm (WL-B05G14F1200)	RGB	(1200/1209)mm	40pcs	24VDC	14W	120°	304lm

• **Operating Temp. : -20℃~+50℃**

PHYSICAL SPECIFICATION (Unit : mm)

TOP VIEW

FRONT VIEW   **SIDE VIEW**
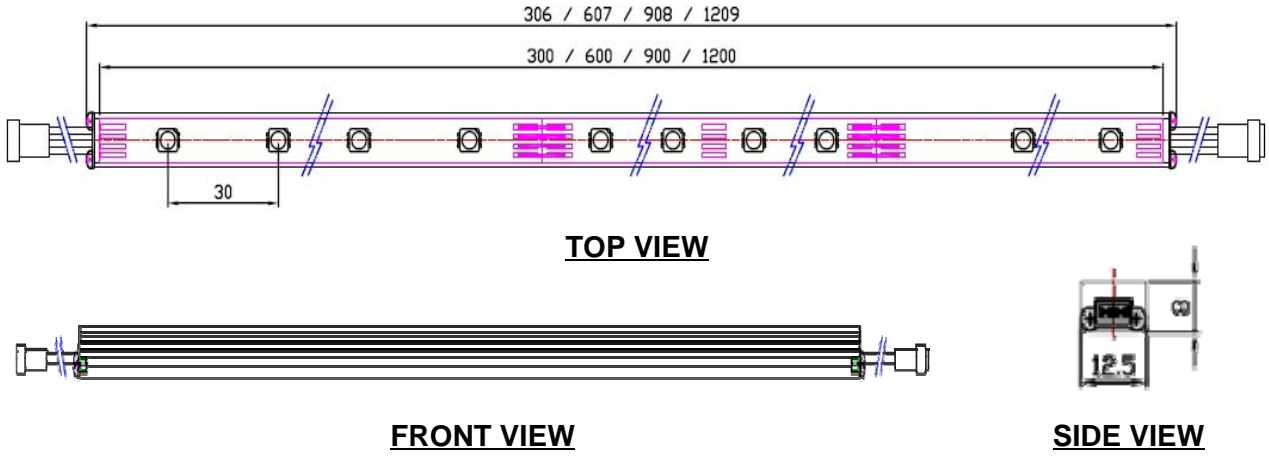
LIGHT DISTRIBUTION
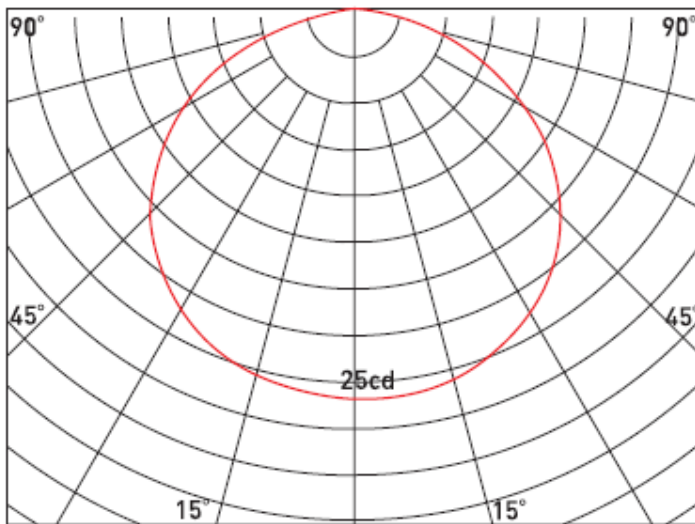
*300mm/Full Color

| Øm		m
1.716	100lx	0.5m
3.431	25lx	1.0m
5.147	11lx	1.5m

Installation

☑ Before you begin

🔴 Lighting must be installed by a qualified electrician in according with all national and local electrical regulations.

🔴 Determine proper placement in relation to the size and complexity of your installation.

🔴 Make sure Power is off before installation and follow installation process.
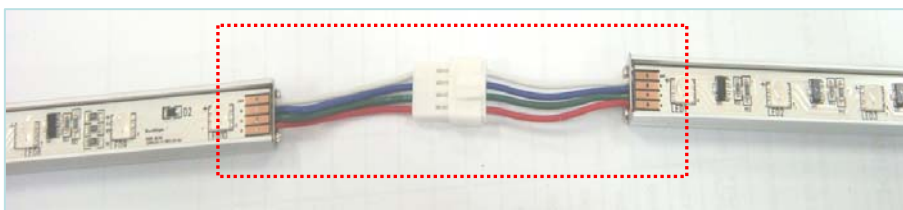
1 Remove 3M adhesive tape on the back side of BL05G
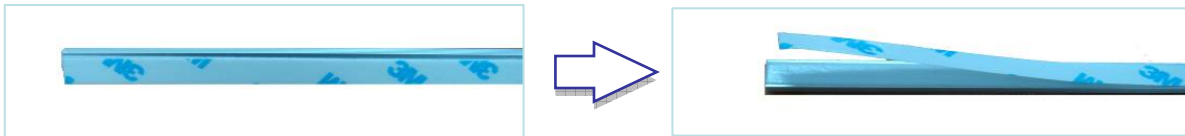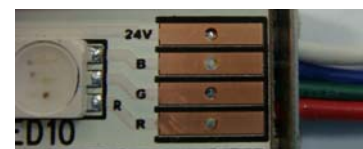

2 Mount the fixtures
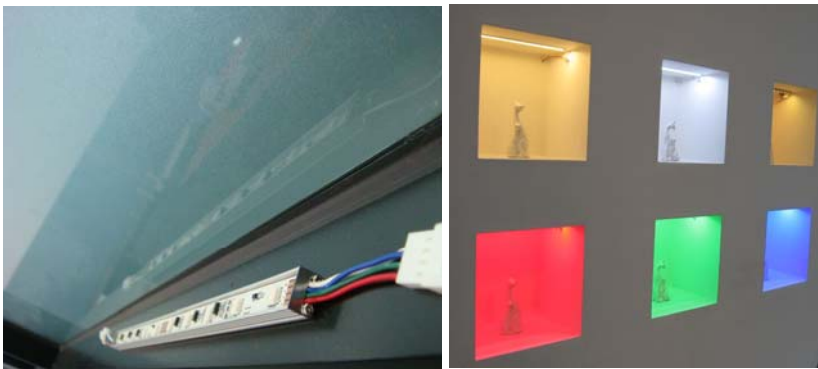
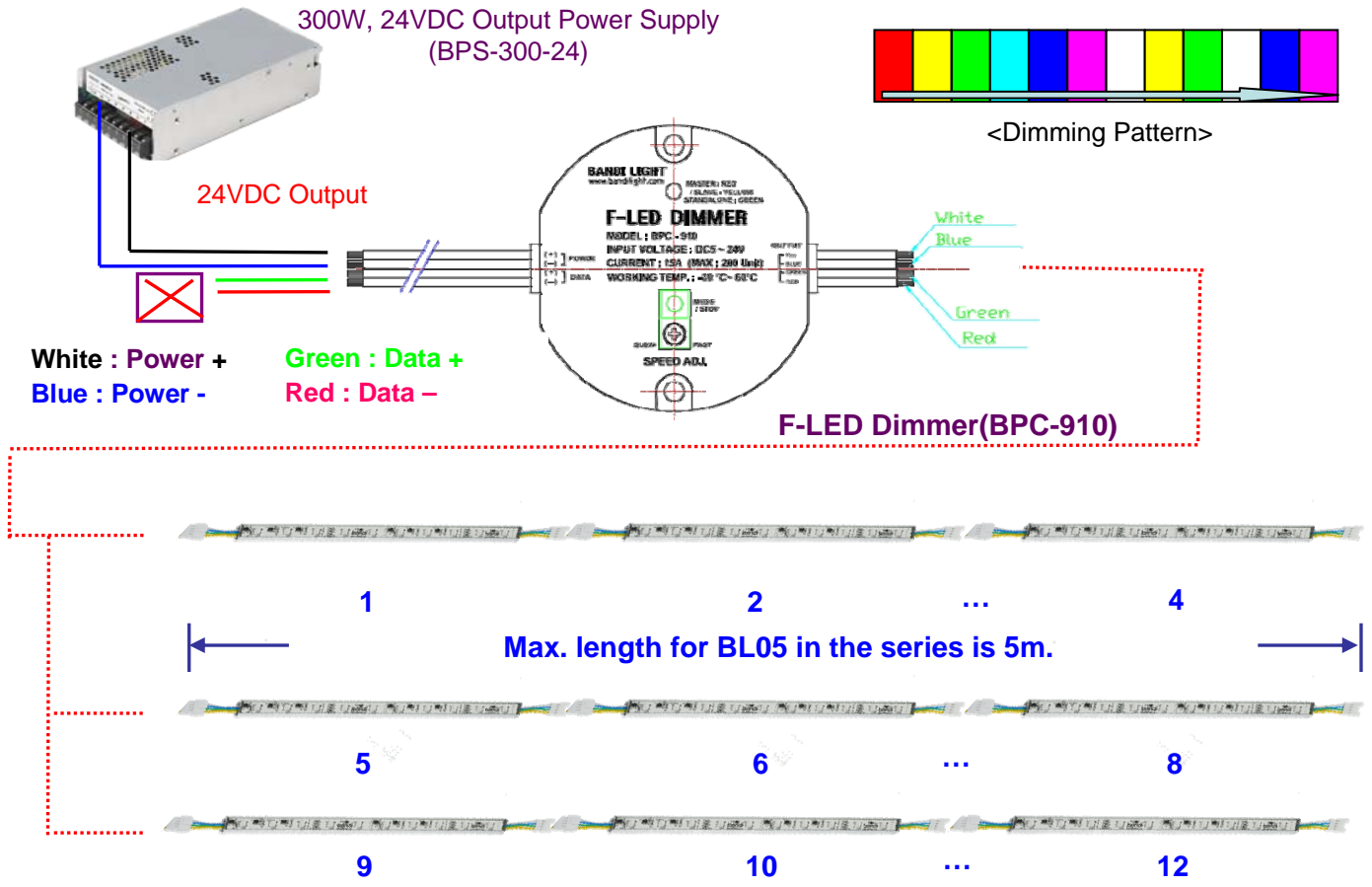**3** Connect additional fixtures using jumper cable.

Jumper cable

⚠ Please note that a 24V, R , G and B should be connected in the same lines when you connect additional fixtures.
If the connection is wrong, BL05 will not work correctly.

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Installation

4 Connect DC power supply (24VDC output) with F-LED DIMMER (BPC-910) using leader cable.

300W, 24VDC Output Power Supply
(BPS-300-24)

24VDC Output

<Dimming Pattern>

White : Power +
Blue : Power -

Green : Data +
Red : Data –

F-LED DIMMER
MODEL : BPC-910
INPUT VOLTAGE : DC5 ~ 24V
CURRENT : 15A (MAX ; 280 Unit)
WORKING TEMP. : -20 ℃~ 50℃

White
Blue

Green
Red

F-LED Dimmer(BPC-910)

1   2   …   4

Max. length for BL05 in the series is 5m.

5   6   …   8

9   10   …   12

Length (Unit: mm)	Watt/a pc	Max. number connected to a DC Power Supply	
		100W	300W
BL05G_1200	14W	6pcs	18pcs
BL05G_900	10.5W	8pcs	24pcs
BL05G_600	7W	12pcs	36pcs
BL05G_300	3.5W	24pcs	72pcs

⚠ 🔴 Ensure main power supply is off before installing or wiring fixtures.
🔴 Do not exceed the specified voltage and current input for any fixtures.

5 Turn on the Power

Check to see if BL05 lights.

Please review all installation processes above if BL05 fails to light.
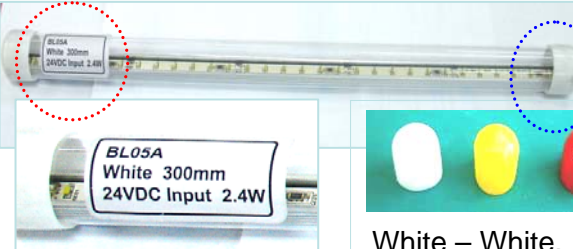
Accessories

1) Connecting cable (* : standard)

Connecting cable		Length	Model Name	Description
Leader cable	* Leader G1	1000mm	W1GC1000	

2) DC Power Supply

Power supply (Normal)	
(188x96x45)	(198x102x52)
Model : BPS - 100 - 24	Model : BPS - 300 - 24
Power (Max.) : 100W	Power (Max.) : 300W
Input Voltage : 85~265VAC	Input Voltage : 85~265VAC
Output Voltage : 24VDC	Output Voltage : 24VDC
Certification : UL, CE	Certification : UL, CE

Packaging

BL05A
White 300mm
24VDC Input 2.4W

BL05G RGB 300mm
Type Color Length

White – White,
Yellow – Warm white
Red – Other Colors