# WL-BL05 H - LED Stick H type (Outdoor)

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INTRODUCTION

Wamco LED Stick series BL05-H is a linear lighting system for direct & indirect accent lighting applications such as building alcoves, shelves, sculptures, etc. The **BL05-H** system is also designed for side lighting of sign panels in both indoor and outdoor installations. **BL05-H** is available in white and warm white in 500mm and 1,000mm lengths. **BL05-H** provides many advantages including brilliant light output, significant energy savings and reduced maintenance costs.

FEATURES

• Flat type aluminum housing
• Fixed by 3M adhesive tape or mounting clip
• Two color options (White -6500K / Warm White-3000K)
• Two length options (500mm / 1,000mm)
• Water resistant (Outdoor use, **IP65**)
• Long life time (up to 30,000hrs in white color)
• Safety due to low working voltage (**24VDC**)
• 3 year warranty
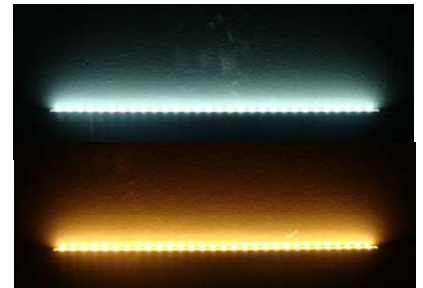
APPLICATIONS

• Accent lighting (buildings, bridges, etc.)
• Indoor and outdoor decorative lighting

CERTIFICATIONS

• CE, RoHS

SPECIFICATIONS

Model	Color	Length (PCB/Total)	LED Q'ty	Input Vol.	Power	View Angle	Lum. Flux
WL-B05H06L0500	Warm White (Typ.3000K)	(500/508)mm	30pcs	24VDC	6W	120°	315 lm
WL-B05H06W0500	White (Typ.6500K)	(500/508)mm	30pcs	24VDC	6W	120°	405 lm
WL-B05H12L1000	Warm White (Typ.3000K)	(1000/1006)mm	60pcs	24VDC	12W	120°	630 lm
WL-B05H12W1000	White (Typ.6500K)	(1000/1006)mm	60pcs	24VDC	12W	120°	810 lm

PHYSICAIL SPECIFICATION (Unit : mm)
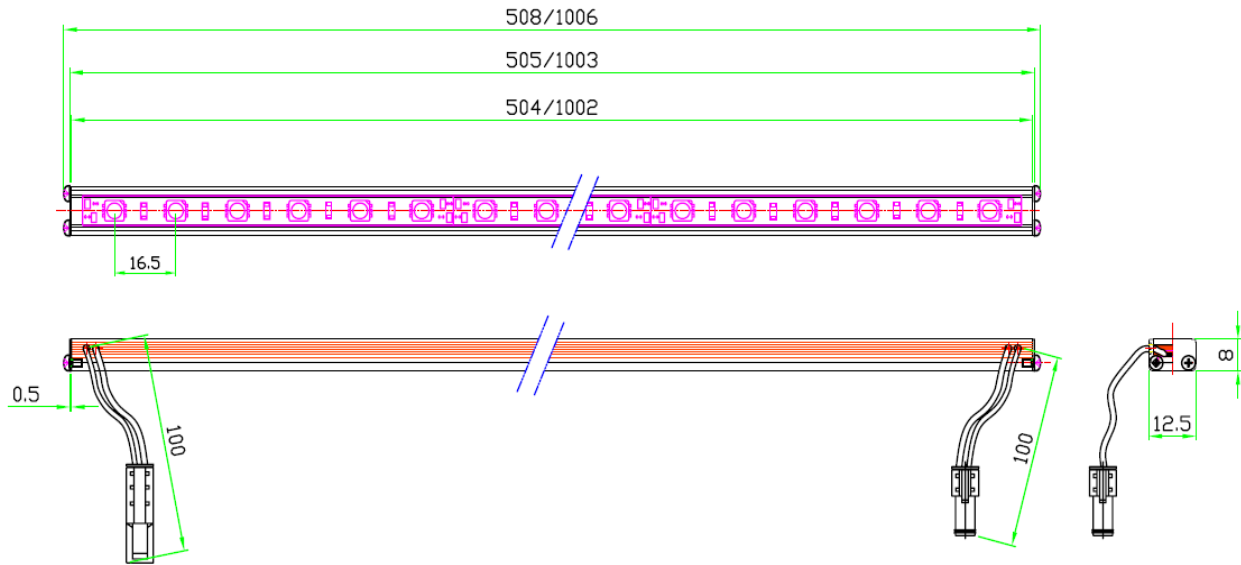
LIGHT DISTRIBUTION

WL-BL05 H White 500mm

144 cd
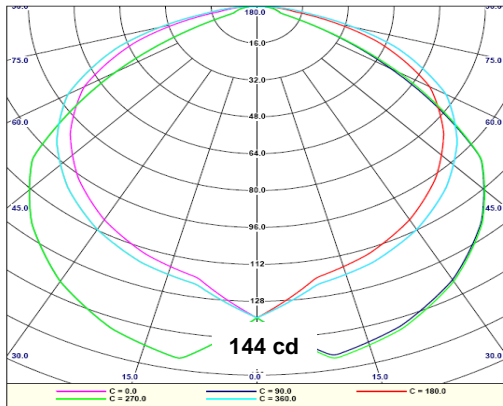
Øm		m
1.483	540lx	0.5m
2.967	135lx	1.0m
4.450	60lx	1.5m

WL-BL05 H Warm White 500mm


117 cd
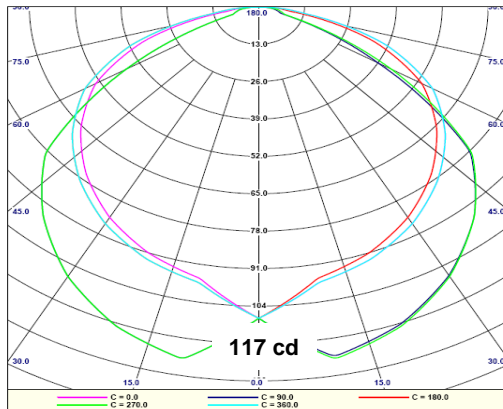
Øm		m
1.385	433lx	0.5m
2.769	108lx	1.0m
4.154	48lx	1.5m

Installation

☑ Before you begin

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

- Determine proper place depeding on the size and complexity of your installation.

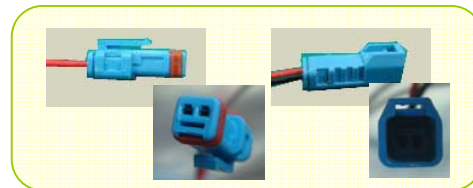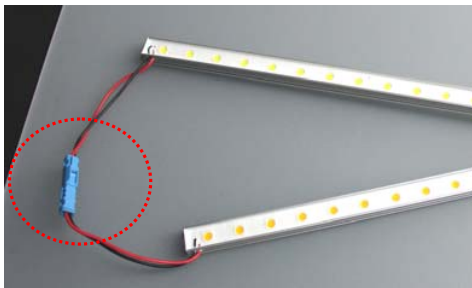- Make sure power is off before installation and follow installation process.

1 Remove 3M adhesive tape on the back side of WL-BL05 H
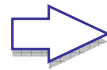
2 Using mounting clip, mount the fixtures

Mounting clip

3 Connect additional fixtures using jumper cable.

⚠ Please note that a positive pole (+) and a negative pole (-) should be connected in the same lines when you connect additional fixtures.
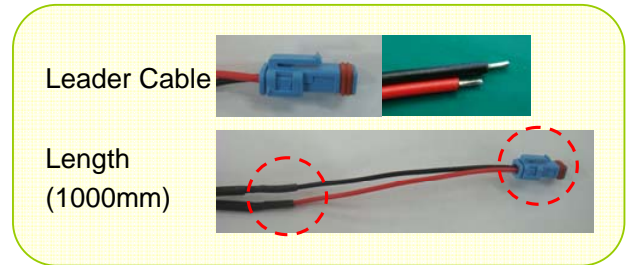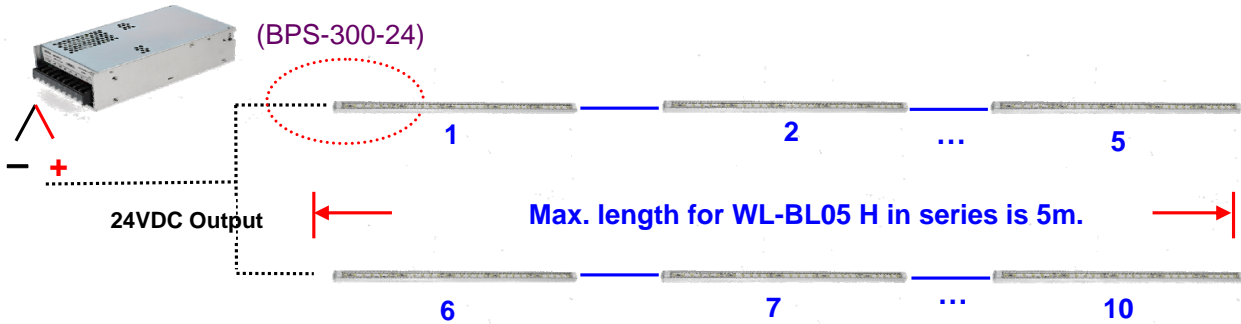If the connection is wrong, WL-BL05 H will not work.

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Installation

4   Connect DC power supply (24VDC output) using leader cables

1) DC Power supply (plug type)

(SMPS-32-24(F))

Leader Cable

Length
(1000mm)

2) DC Power supply (Normal)

(BPS-300-24)

1   2   …   5

24VDC Output

Max. length for WL-BL05 H in series is 5m.

6   7   …   10

< Model : WL-BL05 H White 1000mm >

■ Capacity Table

Length (Unit: mm)	Watt/a pc	DC Power Supply Max. number connected		
		Plug Type (32W)	100W	300W
WL-BL05 H 1000	12W	2pcs	6pcs	20pcs
WL-BL05 H 500	6W	4pcs	13pcs	40pcs

⚠   ● Ensure that 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 if WL-BL05 lights

Please review all installation process above if there are difficulties

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Accessories

1) Connecting cable (* : standard)
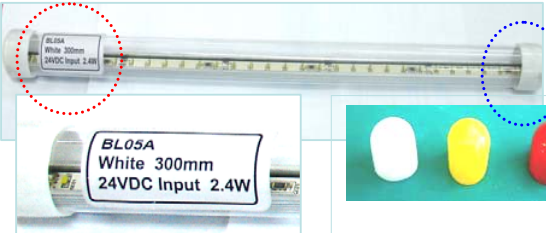
Connecting cable		Length	Model Name	Description
Leader cable	* Leader cable F1	1000mm	W1FC1000	

2) DC Power Supply

Power supply (Plug Type)	Power supply (Normal)	
	(188x96x45)	(198x102x52)
Model: WL-SMPS - 32-4(F)	Model: WL-BPS - 100-24	Model: WL-BPS - 300-4
Power(Max.): 32W	Power(Max.): 100W	Power(Max.): 300W
Input Voltage: 100~240VAC	Input Voltage : 85~265VAC	Input Voltage: 85~265VAC
Output Voltage: 24VDC	Output Voltage: 24VDC	Output Voltage: 24VDC
Certification: UL, CE	Certification: UL, CE	Certification: UL, CE

Packaging

BL05A White 300mm 24VDC Input 2.4W

WL-BL05H White 500mm
Type Color Length

White – White
Yellow – Warm white