

INTRODUCTION

Wamco LED Stick series **BL05-D** is a linear lighting system for interior applications such as path, cove, shelf, and display case lighting. **BL05-D** is available in white and warm white in 300mm, 600mm, 900mm and 1200mm lengths. **BL05-D** provides many advantages including brilliant light output, significant energy savings, and reduced maintenance costs.

FEATURES

- Easily attached to the 90° corner of a shelf or display case
- Attached by 3M adhesive tape
- 4 length options
- Long service life (up to 30,000hrs in white color)
- Safety due to low voltage operation (**24VDC**)
- 3 year warranty

APPLICATIONS

- Path and cove lighting
- Shelf lighting and display case lighting



CERTIFICATIONS

- CE, RoHS

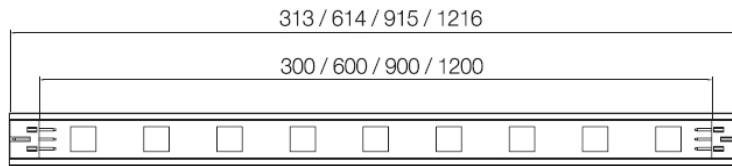


SPECIFICATIONS

- Operating Temp. : -20°C~+50°C

| Model | Color | Length (PCB/Total) | LED Q'ty | Input Vol. | Power | View angle | Lum.Flux |
|---|------------------------|--------------------|----------|------------|-------|------------|----------|
| WL-BL05D-White-300mm (WL-B05D04W0300) | White (Typ.6500K) | (300/313)mm | 20pcs | 24VDC | 4.5W | 120° | 300lm |
| WL-BL05D-White-600mm (WL-B05D09W0600) | White (Typ.6500K) | (600/614)mm | 40pcs | 24VDC | 9W | 120° | 600lm |
| WL-BL05D-White-900mm (WL-B05D13W0900) | White (Typ.6500K) | (900/915)mm | 60pcs | 24VDC | 13.5W | 120° | 900lm |
| WL-BL05D-White-1200mm (WL-B05D18W1200) | White (Typ.6500K) | (1200/1216)mm | 80pcs | 24VDC | 18W | 120° | 1200lm |
| WL-BL05D-Warm W-300mm (WL-B05D04L0300) | Warm White (Typ.3000K) | (300/313)mm | 20pcs | 24VDC | 4.5W | 120° | 270lm |
| WL-BL05D-Warm W-600mm (WL-B05D09L0600) | Warm White (Typ.3000K) | (600/614)mm | 40pcs | 24VDC | 9W | 120° | 540lm |
| WL-BL05D-Warm W-900mm (WL-B05D13L0900) | Warm White (Typ.3000K) | (900/915)mm | 60pcs | 24VDC | 13.5W | 120° | 810lm |
| WL-BL05D-Warm W-1200mm (WL-B05D18L1200) | Warm White (Typ.3000K) | (1200/1216)mm | 80pcs | 24VDC | 18W | 120° | 1080lm |

PHYSICAL SPECIFICATION (Unit : mm)

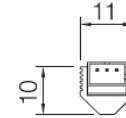


TOP VIEW

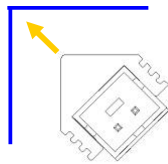


FRONT VIEW

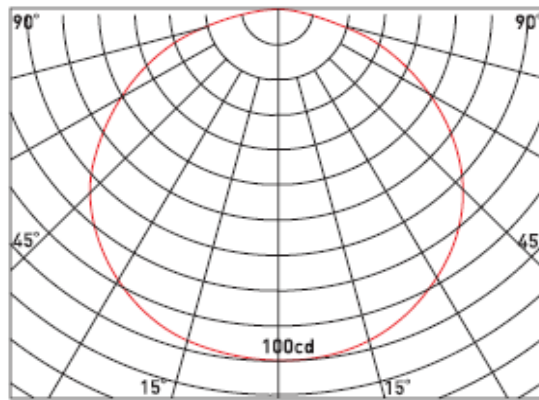
Unit : mm



SIDE VIEW



LIGHT DISTRIBUTION



*300mm/20LEDs/6,500K

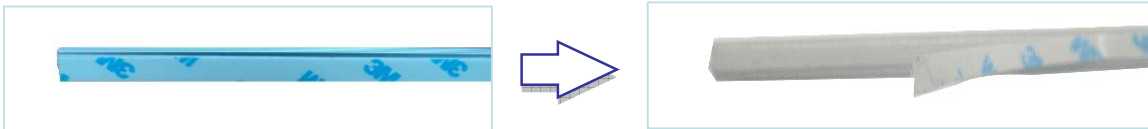
| Øm | | m |
|-------|-------|------|
| 1.476 | 393lx | 0.5m |
| 2.952 | 98lx | 1.0m |
| 4.428 | 44lx | 1.5m |

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.

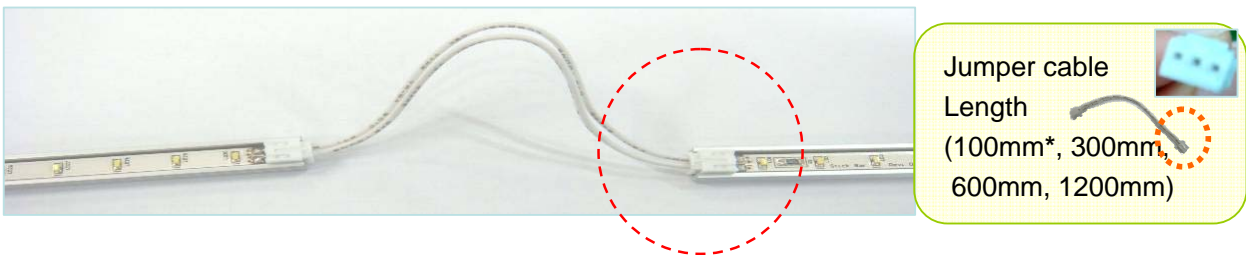
1 Remove 3M adhesive tape on the back side of BL05D



2 Mount the fixtures



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, BL05 will not work.



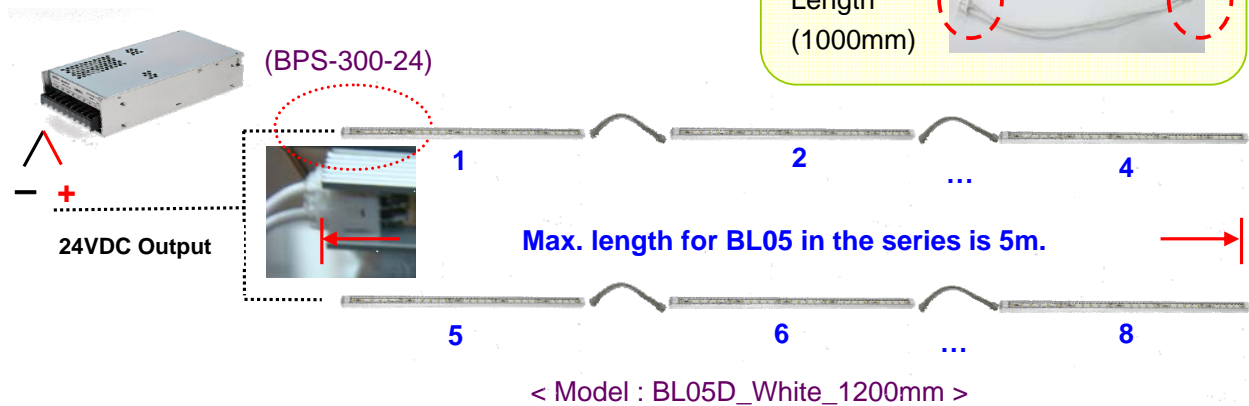
Installation

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

1) DC Power supply (plug type)



2) DC Power supply (Normal)



Capacity Table

| Length (Unit: mm) | Watt/a pc | Max. number connected to a DC Power supply | | |
|----------------------|-----------|--|-------|-------|
| | | Plug Type(32W) | 100W | 300W |
| BL05A_1200 | 18W | 1pcs | 4pcs | 12pcs |
| BL05A_900 | 13.5W | 1pcs | 5pcs | 16pcs |
| BL05A_600 | 9W | 2pcs | 8pcs | 25pcs |
| BL05A_300 | 4.5W | 5pcs | 16pcs | 50pcs |

- 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 |
|------------------|-------------------|--------|------------|-------------|
| Jumper Cable | * Jumper cable D1 | 100mm | W2DC0100 | |
| | Jumper cable D2 | 300mm | W2DC0300 | |
| | Jumper cable D3 | 600mm | W2DC0600 | |
| | Jumper cable D4 | 1200mm | W2DC1200 | |
| Leader cable | * Leader cable D1 | 1000mm | W1DC1000 | |

2) DC Power Supply

| Power supply (Plug Type) | Power supply (Normal) | |
|----------------------------|---------------------------|---------------------------|
| | (188x96x45) | (198x102x52) |
| Model : SMPS - 32 – 24(B) | Model : BPS - 100 - 24 | Model : BPS - 300 - 24 |
| 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

BL05D White 300mm
Type Color Length

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

