

## INTRODUCTION

**BL05-A** is a high quality LED illumination system which provides a high brightness from a very narrow and low profile. Ideal for the lighting of shelving, cabinets, ceiling coving and Signage applications. **BL05-A** is available in two White colour temperatures and four lengths. Fast and simple installation of series 'chains' of up to 5 metres long using plug and socket cables and fixing with a peel-off self adhesive backing. A clear silicon filled version also available.



## FEATURES

- High brightness from a very slim profile
- Fast and simple fixing with 3M adhesive tape
- Four lengths available (313, 614, 915, 1216mm)
- Long life time (up to 40,000hrs in white colour)
- Safe low voltage operation (**24VDC**)
- 3 year warranty



## APPLICATIONS

- Shelf lighting, cove lighting
- Display box lighting



## CERTIFICATIONS

- CE, RoHS



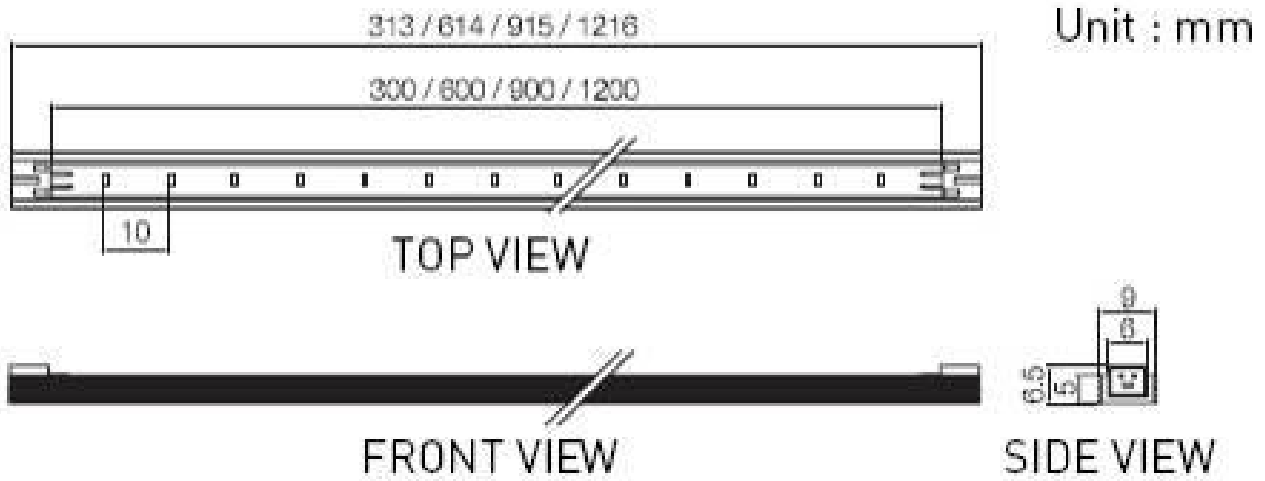
## SPECIFICATIONS

- Operating Temp. : -20°C ~ +50°C

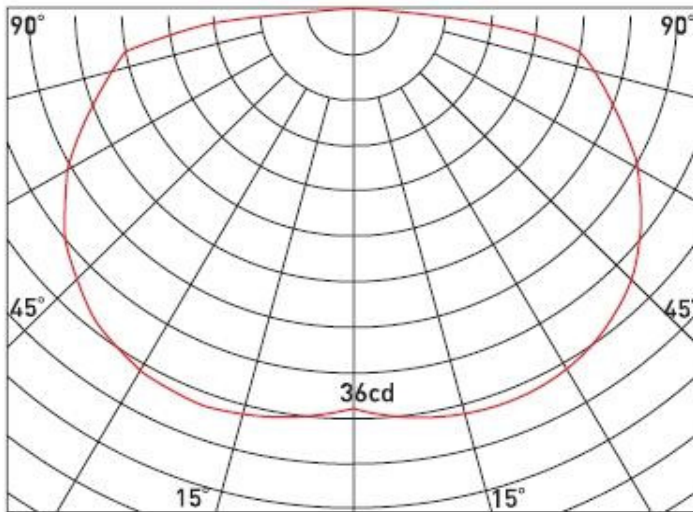
Model	Colour	Length (PCB/Total)	LED Q'ty	Input Vol.	Power	View angle	Lum.Flux
BL05A-White-300mm (B05A02W0300)	White (Typ.6000K)	(300/313)mm	30pcs	24VDC	2,4W	140°	150lm
BL05A-White-600mm (B05A04W0600)	White (Typ.6000K)	(600/614)mm	60pcs	24VDC	4.8W	140°	300lm
BL05A-White-900mm (B05A06W0900)	White (Typ.6000K)	(900/915)mm	90pcs	24VDC	7.2W	140°	450lm
BL05A-White-1200mm (B05A08W1200)	White (Typ.6000K)	(1200/1216)mm	120pcs	24VDC	9.6W	140°	600lm
BL05A-Warm W-300mm (B05A02L0300)	Warm White (Typ.3000K)	(300/313)mm	30pcs	24VDC	2,4W	140°	120lm
BL05A-Warm W-600mm (B05A04L0600)	Warm White (Typ.3000K)	(600/614)mm	60pcs	24VDC	4.8W	140°	240lm
BL05A-Warm W-900mm (B05A06L0900)	Warm White (Typ.3000K)	(900/915)mm	90pcs	24VDC	7.2W	140°	360lm
BL05A-Warm W-1200mm (B05A08L1200)	Warm White (Typ.3000K)	(1200/1216)mm	120pcs	24VDC	9.6W	140°	480lm

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## Dimensions (Unit: mm)



## LIGHT DISTRIBUTION



Øm		m
3.173	138lx	0.5m
6.346	34lx	1.0m
9.520	15lx	1.5m

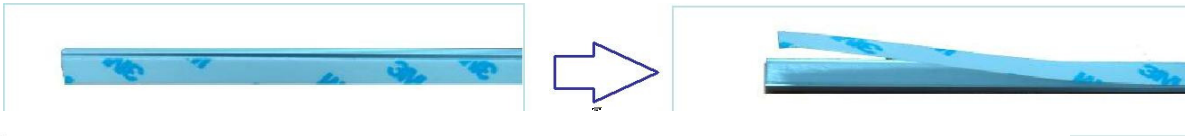
\* 300mm/30LEDs/6,000K

## Installation

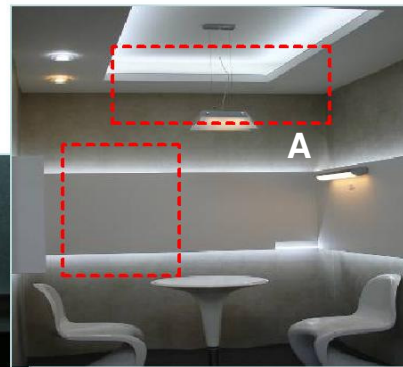
☑ Before you begin

- Lighting must be installed by a qualified electrician in accordance national and local electrical regulations
- Determine proper place regarding of 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 BL05A



Mount the fixtures



3 Connect additional fixtures, using jumper cable.



Jumper cable  
Length  
(100mm\*, 300mm,  
600mm, 1200mm)



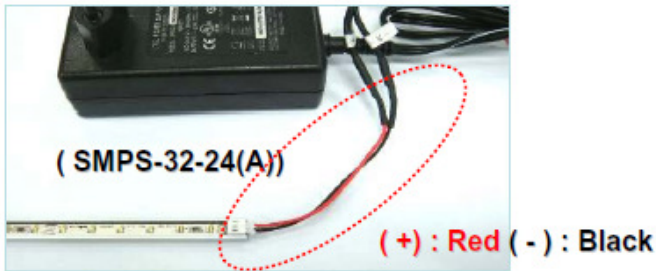
Please note that a positive pole(+) and a negative pole(-) should be connected in the same lines when you connect additional fixtures. If the connection is wrong, BL05 will not work.



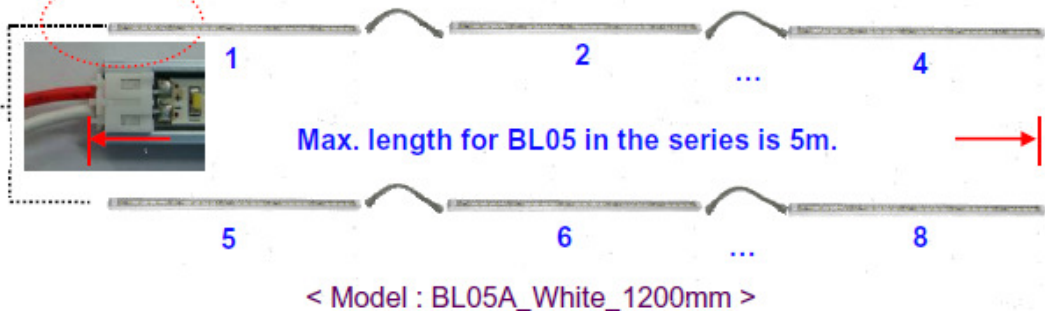
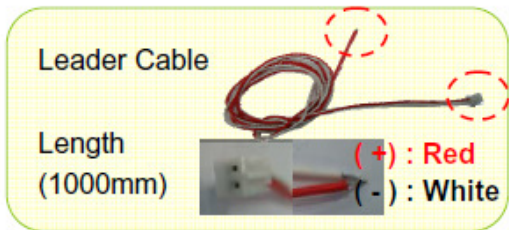
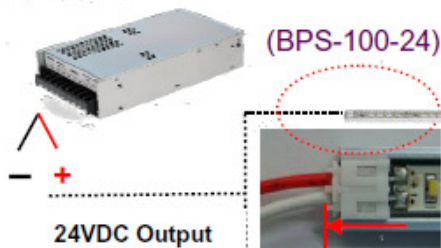
## Installation

4 Connect DC power supply(24VDC output), using a leader cable.

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	9.6W	2pcs	8pcs	25pcs
BL05A_900	7.2W	3pcs	13pcs	33pcs
BL05A_600	4.8W	5pcs	16pcs	50pcs
BL05A_300	2.4W	10pcs	32pcs	100pcs



- 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 out if BL05 lights on well.

Please review all installation process above, if there are troubles.



## Accessories

1) Connecting cable (items marked\* are standard, other lengths to special order)

Connecting cable		Length	Model Name	Description
Jumper Cable	* Jumper cable A1	100mm	W2AC0100	
	Jumper cable A2	300mm	W2AC0300	
	Jumper cable A3	600mm	W2AC0600	
	Jumper cable A4	1200mm	W2AC1200	
Leader cable	* Leader cable A1	1000mm	W1AC1000	

2) Typical 24V DC Power Supply Units

Power supply (Plug Type)	Power supply (Normal)	
Model : SMPS - 32 – 24(A)	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

