

Flexglo™ BD1632B Monochrome - Colorful Light (PVC)



Certification Mark	UL	UL	CE	IS 10322
Test Standard/Directive	UL2108 Class 2	UL2108 Non Class 2	CE-EMC	IS 10322
Certificate Serial Number	20180801-E360029	20180312-E360029	SZEM1712012372LMV	R-41128376
Report Reference	E360029-20130322	E360029-20180309	SZEM171201237201	NO.20190425001



Ambient Working Temperature ≤9W/m -20 ~ 50°C / -4 ~ 122°F	Ambient Installation Temperature 0 ~ 45°C / 32 ~ 113°F	Storage Temperature -20 ~ 60°C / -4 ~ 140°F
Max. Mounting Surface Temperature 60°C / 140°F <i>specified in the non-working state of light, and up to 85°C for silicone type.</i>	Constant Current DC24V	

C-FR-BD1632B-HB



Min. Bending Diameter 120mm/4.72in		
Min. Cutting Length 125mm/4.92in, 9LEDs 83.3mm/3.28in, 6LEDs		

- Note:
- The illuminated light length shall be an integral multiple of min. cutting length.
 - The waterproof reliability of the lighting fixture depends on the IP rating of connector, and please make sure connector is properly assembled before installation. The highest IP rating we can achieve is IP67.

Feature

Flexglo™ BD1632B Monochrome-Colorful Light (PVC), rich color options and bi-domed shape make it suitable for billboard lighting, sculptural lighting, and facade lighting that requires a double-faced striking illumination layout.

Combined with the adoption of the DryWire™ technology, the equipped IP67 Injection-moulded Connector is engineered for outdoor use, coming with the rear cable entry for convenient wiring in any direction.

This product features an ultra-long lifespan in the outdoor application by leveraging other ClearTech™ such as the PinBoost™ technology enhancing physical reliability of light engine, the C-Mask™ technology retarding PVC discoloration and enabling consistent illumination.

Item Code

C	FR	BD1632B	HB	24CC	G	WM	72	9W	83.3
Company	Material	Product Series	Bending Direction	Voltage & Circuit Type	Color	Base & Lighting Surface	LEDs Qty/m	Power/m	Min. Cutting Length (mm)
Clear	FR=(PVC) Flex Ribbon	BD1632B= Monochrome	HB= Horizontal Bending	DC24V & Constant Current	R=Red A=Amber G=Green B=Blue	WM= White & Milky	72	9W	125 83.3

Electrical Parameter

Category	C-FR-BD1632B-HB	C-FR-BD1632B-HB
Voltage (V)	24	24
Current (mA/m)	375	375
Power (W/m)	9	9
Circuit Type	CC	CC
LED Type	2835	2835
LEDs Qty/m	72	72
LEDs Qty/unit	6	9
Unit/m	12	8
Min. Cutting Length (mm)	125	83.3
Min. Cutting Length (in)	3.28	4.92

Optical Parameter

Item Code	Finished Product				LED
	Color	Wavelength	Lumen/m	Lumen/ft	Color Tolerance
C-FR-BD1632B-HB-24CC-R-WM-72-9W-125	Red	618-624nm	300lm	91lm	< 3nm
C-FR-BD1632B-HB-24CC-G-WM-72-9W-83.3	Green	522-528nm	480lm	146lm	< 3nm
C-FR-BD1632B-HB-24CC-B-WM-72-9W-83.3	Blue	468-474nm	95lm	29lm	< 3nm
C-FR-BD1632B-HB-24CC-A-WM-72-9W-125	Amber	588-594nm	300lm	91lm	< 3nm

Max. Running Length Input: DC24V

Type	Injection-moulded Connector	
IP Rating	IP67	
Item Code	Single-end Feed	Double-end Feed
C-FR-BD1632B-9W	13m/42.7ft	26m/85.3ft

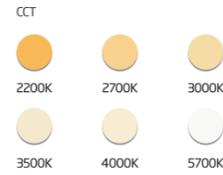
Note:

- Above conclusion is based on voltage drop testing result of the light with 0.3m (0.98ft) cable only.
- The maximum running length is based on the light in static full loading status.
- Above running length is only the light length excluding lengths of connectors. Please refer to the specific dimension of each connector.
- The delivery length might be subject to the maximum packing length.

Flexglo™ BD1632B Monochrome - White Light (PVC)

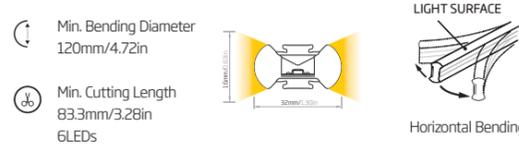


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Ambient Working Temperature ≤9W/m -20~50°C/-4~122°F	Ambient Installation Temperature 0 ~ 45°C /32~113°F	Storage Temperature -20 ~ 60°C /-4~140°F
	Max. Mounting Surface Temperature 60°C /140°F <i>specified in the non-working state of light, and up to 85°C for silicone type.</i>	Constant Current DC24V

C-FR-BD1632B-HB



Note:
 1. The illuminated light length shall be an integral multiple of min. cutting length.
 2. The waterproof reliability of the lighting fixture depends on the IP rating of connector, and please make sure connector is properly assembled before installation. The highest IP rating we can achieve is IP67.

Feature

Flexglo™ BD1632B Monochrome - White Light (PVC) owns a pioneering™bi-domed shape, which enables continuous and symmetrical illumination for the demand of billboard lighting, sculptural lighting, and facade lighting. Luminous flux is up to 480lm/m @9W/m.

Combined with the adoption of the DryWire™ technology, the equipped IP67 Injection-moulded Connector is engineered for outdoor use, coming with the rear cable entry for convenient wiring in any direction.

This product features an ultra-long lifespan in the outdoor application by leveraging other ClearTech™ such as the PinBoost™ technology enhancing physical reliability of light engine, the C-Mask™ technology retarding PVC discoloration and enabling consistent illumination.

Item Code

C	FR	BD1632B	HB	24CC	30K	WM	72	80	9W	83.3
Company	Material	Product Series	Bending Direction	Voltage & Circuit Type	CCT	Base & Lighting Surface	LEDs Qty/m	CRI	Power/m	Min. Cutting Length (mm)
Clear	FR= (PVC) Flex Ribbon	BD1632B Monochrome	HB= Horizontal Bending	DC24V & Constant Current	22K=2200K 27K=2700K 30K=3000K 35K=3500K 40K=4000K 57K=5700K	WM= White & Milky	72	80	9W	83.3

Electrical Parameter

Category	C-FR-BD1632B-HB
Voltage	24
Current (mA/m)	375
Power (W/m)	9
Circuit Type	CC
LED Type	2835
LEDs Qty/m	72
LEDs Qty/unit	6
Unit/m	12
Min. Cutting Length (mm)	83.3
Min. Cutting Length (in)	3.28

Optical Parameter

Item Code	Finished Product				
	CCT	CCT Tolerance	CRI	Lumen/m	Lumen/ft
C-FR-BD1632B-HB-24CC-22K-WM-72-80-9W-83.3	2200K	2238±102K	80	400lm	122lm
C-FR-BD1632B-HB-24CC-27K-WM-72-80-9W-83.3	2700K	2725±145K	80	480lm	146lm
C-FR-BD1632B-HB-24CC-30K-WM-72-80-9W-83.3	3000K	3045±175K	80	480lm	146lm
C-FR-BD1632B-HB-24CC-35K-WM-72-80-9W-83.3	3500K	3465±245K	80	480lm	146lm
C-FR-BD1632B-HB-24CC-40K-WM-72-80-9W-83.3	4000K	3985±275K	80	480lm	146lm
C-FR-BD1632B-HB-24CC-57K-WM-72-80-9W-83.3	5700K	5669±355K	80	480lm	146lm

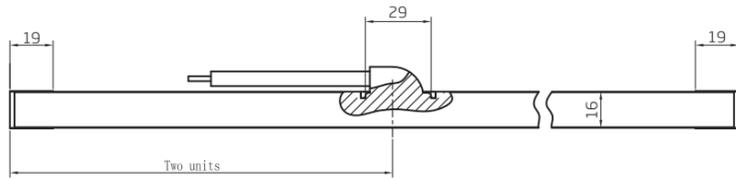
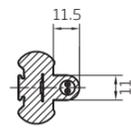
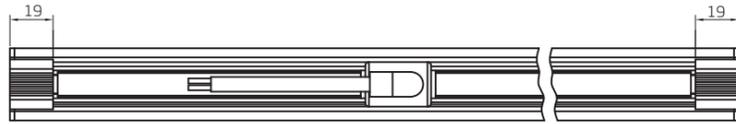
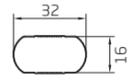
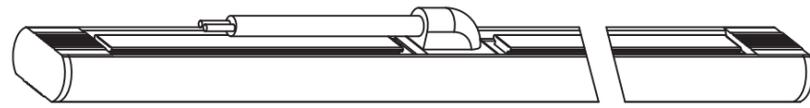
Max. Running Length Input: DC24V

Type	Injection-moulded Connector	
IP Rating	IP67	
Item Code	Single-end Feed	Double-end Feed
C-FR-BD1632B-9W	13m/42.7ft	26m/85.3ft

Note:

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Dimension: mm



Anti-wicking Ferrule

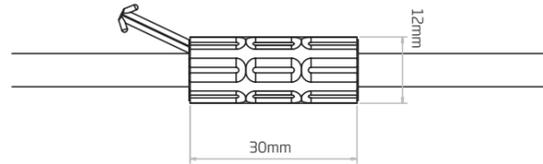


IP67-Above Water IP67-Under Water



The anti-wicking ferrule is designed to lower the risk of water ingress from the cable in case of inadequate waterproof treatment on site.

For underwater application, do not immerse anti-wicking ferrule in the water.



BD1632B 
18AWG*2

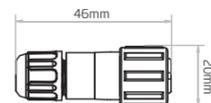
Note:

1. Unless otherwise stated, the tolerance is $\pm 0.5\text{mm}$.
2. The removal of anti-wicking ferrule will void the warranty if any water ingress caused by it.

Male & Female Connector



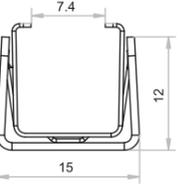
For plug and play cable junction, IP67



Note:

Unless otherwise stated, the tolerance is $\pm 2\text{mm}$.

Bd1632 Mounting Profile

Picture	Name/Item Code	Installation Way	Dimension: mm
	Toothed U Clip BD1632-TU/CLP-20MM-SSL		

Installation Instructions

Friendly Reminder: please read instructions carefully before operation.

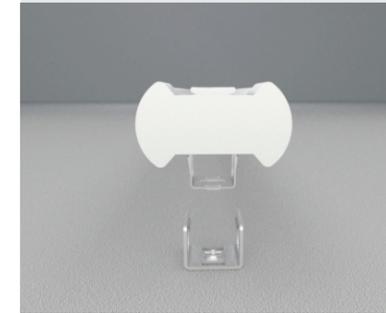
Installation

▶ Step 1



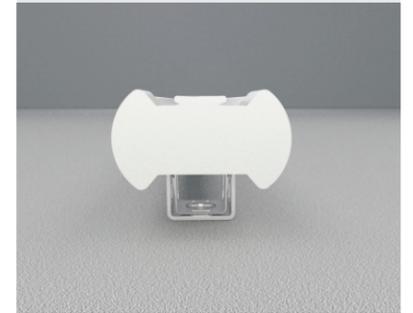
Fix the outer U clips on the mounting surface orderly. At least 5 pieces of U clips are recommended for every meter of the light.

▶ Step 2



Unfold the inner U clips to a larger opening and clamp them tightly to the slot of lights when arriving at the position corresponding to the outer U clips.

▶ Step 3



Snap the inner U clips into the outer clips orderly.