FDV LED LINEAR Strips

BA351-DB19-12-2,4W

BA
LIGHTING

Introduction

BA- Lighting cabinet light designed in aluminum shell which provides excellent thermal management. Adopts high efficiency LED. The curved PMMA lens has been used to reach 50°and 100°beam angle. It can be seamlessly connected or seperately installed according to different needs of customers.

Features

1. The shell is composed of aluminum and lens (PMMA);
2. Extremely small dimensions, width: 10mm, height :10mm;
3. Easy installation: with spring structure;
4. Beam angle: 50° / 100°;
5. life span: 50000 hours;
6. Size optional: 8"(1.6 W), 12"(2.4 W), 34"(7.2 W) and 46"(9.7 W);
7. The lamp can be directly connected or through the terminal connection cable.
8. High light efficiency, energy saving;
9. Comply with 24V constant voltage power supply;
10. Optional Inline Dimmer switch with 4 option light level: 100%, 50%, 25%, off;

Application notes

- Suitable for dry lacation use only
- The lamp must be installed by professional electrician
- Ensure the power supply is switched off before fitting this product
- Do not touch the lamp when in use
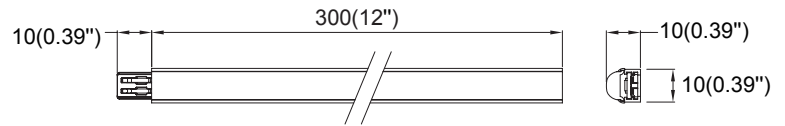- Keep away from hot steam and corrosive gas

Application Areas

It is designed for general lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc.

Certificate

Product Information

300(12")

10(0.39")

10(0.39")
10(0.39")

Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimension
BA351-DB19-12-2.4W	AC100-240V	2.4W	≥0.5	230	50° / 100°	3000K	50000h	≥80	10*10*300mm
BA-DB19-12-2.4W	AC100-240V	2.4W	≥0.5	240	50° / 100°	3500K	50000h	≥80	10*10*300mm
BA-DB19-12-2.4W	AC100-240V	2.4W	≥0.5	240	50° / 100°	4000K	50000h	≥80	10*10*300mm
BA-DB19-12-2.4W	AC100-240V	2.4W	≥0.5	240	50° / 100°	5000K	50000h	≥80	10*10*300mm

Driver data Sheet

Driver data	Non dim
Input rated Voltage	AC100-240V
Frequency	50/60Hz
Input Voltage	AC85-265V
Efficiency	≥85%
Total load Wattage	72W±1W
Power Factor	≥0.5
Rated input current	≤2A
Full load output Voltage	DC24V
Rated output current	3A
Output current range	3A±5%
Power tolerance	±5%
Current output tolerance	±5%
Dimming range	—
Dimmer	—
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
THD	≤20%
Withstand voltage	—

Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
2.4W	Without ground	Dry location	-20℃~45℃	0~90%	-20℃~65℃

Photometric Diagram

3000K

Polar intensity diagram

-/+180

Cartesian intensity diagram

Planar Illuminance Curve

E(LX)   MH=10m
— C0/180
— C90/270

Distance(m)

UNIT: cd
AVERAGE BEAM ANGLE(50%): 69.0 DEG

Beam diagram

Flux out: 91.99 lm

Height Eavg, Emax Angle: 53.61deg Diameter

Note: The Curves indicate the illuminated area and the average illumination when the Luminaire is at different distance.

3500K

Polar intensity diagram

-/+180

Cartesian intensity diagram

Planar Illuminance Curve

E(LX)   MH=10m
— C0/180
— C90/270

Distance(m)

UNIT: cd
AVERAGE BEAM ANGLE(50%): 68.8 DEG

Beam diagram

Flux out: 94.10 lm

Height Eavg, Emax Angle: 53.50deg Diameter

Note: The Curves indicate the illuminated area and the average illumination when the Luminaire is at different distance.

4000K

Polar intensity diagram

-/+180

Cartesian intensity diagram

Planar Illuminance Curve

E(LX)   MH=10m
— C0/180
— C90/270

Distance(m)

UNIT: cd
AVERAGE BEAM ANGLE(50%): 67.6 DEG

Beam diagram

Flux out: 90.70 lm

Height Eavg, Emax Angle: 52.05deg Diameter

Note: The Curves indicate the illuminated area and the average illumination when the Luminaire is at different distance.

5000K

Polar intensity diagram

-/+180

Cartesian intensity diagram

Planar Illuminance Curve

E(LX)   MH=10m
— C0/180
— C90/270

Distance(m)

UNIT: cd
AVERAGE BEAM ANGLE(50%): 69.8 DEG

Beam diagram

Flux out: 95.84 lm

Height Eavg, Emax Angle: 54.72deg Diameter

Note: The Curves indicate the illuminated area and the average illumination when the Luminaire is at different distance.

Installation

Cabinet lamp Installation ways

1. Fix the buckles in the wood by screws.

2. Put the cabinet lamp into the buckle.

3. Connect the cabinet lamp with driver by terminal connection cable, fix the plug into socket.

Driver

※ **They can be stitched according to different installation requirements, details as below.**

Lamp 1   Lamp 2

Connect directly without accessories.

Lamp 1

terminal connection cable

Lamp 2

The lamps can be connected by terminal connection cable, size of cables are optional: $1\frac{1}{16}$", 12", 39"

Inline Dimmer switch button

terminal connection cables (with driver)

Cabinet lamp   Dimmer

Dimmable function can be realized by adjusting the optional Inline Dimmer switch with 4 option light level: 100%, 50%, 25%, off.Below are the detailed installation methods

The series quantity and the corresponding power selection

72W Driver	Strip Spec.			
	8-1.6W	12-2.4W	34-7.2W	46-9.7W
Qty	45PCS	30 PCS	10PCS	7 PCS

Note: Customized drivers can be provided , such as 12W, 36W, 48W, 60W, The total connection wattage should within the selected driver.

Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	39*16.5*15	0.05	5.5	60

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	2620	157200	28
40" standard container	5250	315000	56