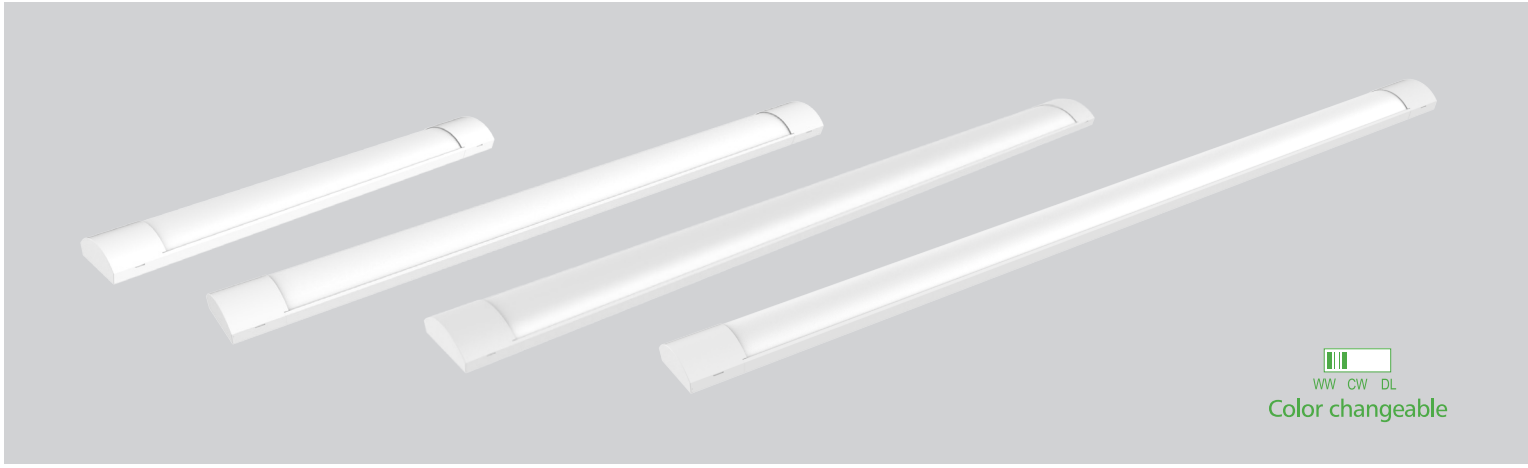
FDV




# BA Linus

## DB49

BA LIGHTING

# Introduction



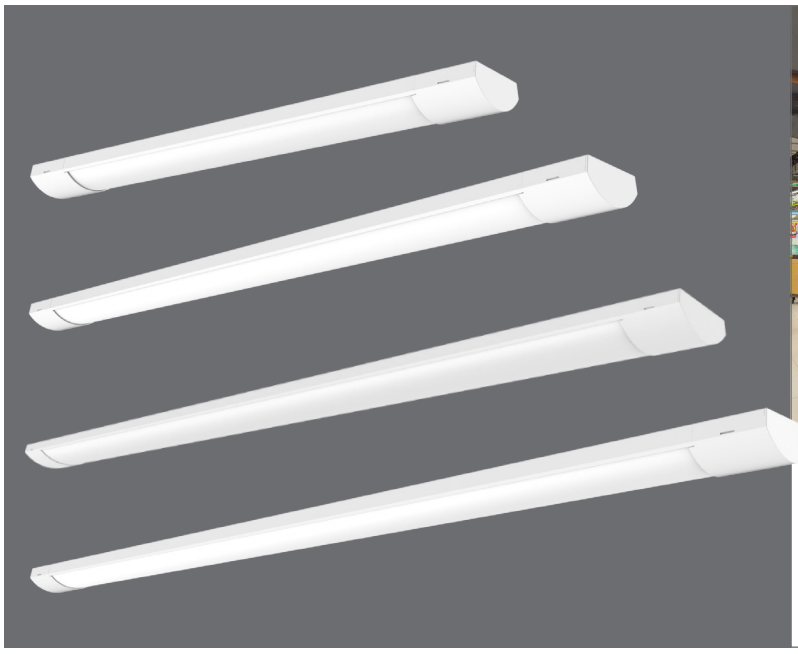
DB49 is a slim design batten with size of 600mm, 900mm, 1200mm, 1500mm. Featuring high grade polycarbonate diffuser and aluminum housing ensure the uniform light and excellent heat dissipation; Color temperature can be changed by adjusting the slide switch; easier installation without installing bracket helps to save much labor cost.

## Features

1. Up to 70% energy saving compared to standard CFL.
2. Color changeable by adjusting the slide switch.
3. Long lifetime of 50,000 hours.
4. 120° wide beam angle.

## Application Areas

It is mainly used for traditional suspended installation such as workshop, utility rooms, garages and more.

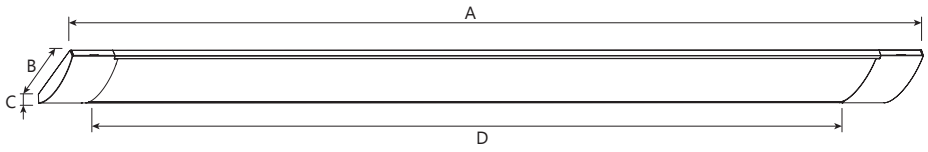







Color changeable

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120° | PF 0.9 | CRI ≥80 | HOURS 50000

## Measurement

| Model | Dimension(mm) | | | | Size(mm) | Product Weight (Kg) | | Package weight (Kg) | | Carton Size(cm) | Qty/CTN | 20GP (pcs) | 40HQ (pcs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | | N.W/PC | G.W/PC | N.W/CTN | G.W/CTN | | | | |
| DB49A | 600 | 80 | 34 | 470 | 600*80*34 | 0.6 | 0.71 | 6 | 7.65 | 68.5*19*23.5 | 10 | 8850 | 21500 |
| | 900 | 80 | 34 | 770 | 900*80*34 | 0.86 | 1.02 | 8.6 | 10.95 | 98.5*19*23.5 | 10 | 6350 | 15500 |
| | 1200 | 80 | 34 | 1070 | 1200*80*34 | 1.12 | 1.32 | 11.2 | 14.15 | 128.5*19*23.5 | 10 | 4750 | 11600 |
| | 1500 | 80 | 34 | 1370 | 1500*80*34 | 1.4 | 1.65 | 8.4 | 10.67 | 158.5*14*19 | 6 | 3870 | 9420 |
| DB49B | 600 | 124 | 42 | 458 | 600*124*42 | 0.84 | 0.99 | 8.4 | 10.68 | 68.5*27.5*27.5 | 10 | 5300 | 12850 |
| | 900 | 124 | 42 | 758 | 900*124*42 | 1.25 | 1.46 | 12.5 | 15.64 | 98.5*27.5*27.5 | 10 | 3700 | 9000 |
| | 1200 | 124 | 42 | 1058 | 1200*124*42 | 1.67 | 1.95 | 16.7 | 18 | 128.5*27.5*27.5 | 10 | 2850 | 6900 |
| | 1500 | 124 | 42 | 1358 | 1500*124*42 | 2 | 2.34 | 12 | 15.09 | 158.5*16.5*27.5 | 6 | 2280 | 5580 |

## Technical Data Sheet

| Model No. | | | DB49A-600-20W | DB49A-900-30W | DB49A-1200-35W | DB49A-1500-40W | DB49B-600-25W | DB49B-900-35W | DB49B-1200-45W | DB49B-1500-50W |
|---|---|---|---|---|---|---|---|---|---|---|
| Watt(W) | | | 20W | 30W | 35W | 40W | 25W | 35W | 45W | 50 |
| Dimension(mm) | | | 600*80*34 | 900*80*34 | 1200*80*34 | 1500*80*34 | 600*124*42 | 900*124*42 | 1200*124*42 | 1500*124*42 |
| Rated Input Voltage(V) | | | AC230V | | | | | | | |
| Input Voltage(V) | | | AC200-240V | | | | | | | |
| LED | | | SMD | | | | | | | |
| SDCM | | | <6 | | | | | | | |
| CCT(K) | | | 1-CCT: 3000K / 4000K / 5000K / 5700K \|\| 3-CCT: 3000K + 4000K + 5700K | | | | | | | |
| "Luminous Flux (lm) ±5%" | 1-CCT | Non-DIM | 1700~2100 | 2700~3200 | 3200~3800 | 3600~4200 | 2100~2600 | 3300~4000 | 4600~5300 | 4800~5300 |
| | | DIM | – | – | – | – | – | – | – | – |
| | 3-CCT | Non-DIM | 1700~2300 | 2700~3400 | 3200~3900 | 3600~4300 | 2100~2800 | 3300~4100 | 4600~5500 | 4800~5500 |
| | | DIM | – | – | – | – | – | – | – | – |
| CRI | | | >80 | | | | | | | |
| Beam Angle (°) | | | 120° | | | | | | | |
| LED Driver | | | Built-in | | | | | | | |
| DIM | | | NO | | | | | | | |
| CCT Selection Switch | | | Yes | | | | | | | |
| Protection Class | | | Class Ⅰ | | | | | | | |
| IP Rating | | | IP20 | | | | | | | |
| IK Rating | | | – | | | | | | | |
| Finishing color | | | White RAL 9016 | | | | | | | |
| Material | | | PC / Aluminium | | | | | | | |
| Lifetime (hr) | | | 50,000h | | | | | | | |
| Glow wire test (℃) | | | 750℃ | | | | | | | |
| Operating Temp.(℃) | | | -20℃ ~45℃ | | | | | | | |
| Storage Temp.(℃) | | | -20℃ ~65℃ | | | | | | | |
| Installation | | | Surface mount | | | | | | | |
| Brand Driver option | | | – | | | | | | | |

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# Driver Datasheet(Non-dimmable )

| Model | DB49A | | | | DB49B | | | |
|---|---|---|---|---|---|---|---|---|
| Power | 20W | 30W | 35W | 40W | 25W | 35W | 45W | 50W |
| Rated Input Voltage(V) | AC230V | | | | | | | |
| Frequency | 50/60Hz | | | | | | | |
| Input Voltage | AC200-240V | | | | | | | |
| Efficiency | ≥90% | ≥90% | ≥90% | ≥90% | ≥90% | ≥90% | ≥90% | ≥90% |
| Total load wattage | 20W±5% | 30W±5% | 35W±5% | 35W-40W | 25W±5% | 35W±5% | 45W±5% | 45W-50W |
| Power Factor | 0.9 | | | | | | | |
| Rated Input Current | ≤0.1A | ≤0.15A | ≤0.17A | ≤0.17A | ≤0.12A | ≤0.17A | ≤0.23A | ≤0.25A |
| Full load output voltage | DC60-85V | DC60-85V | DC60-85V | DC60-85V | DC50-65V | DC60-85V | DC60-85V | DC60-85V |
| Rated output curent | 300mA | 430mA | 430mA | 450mA | 430mA | 530mA | 530mA | 560mA |
| Output current range | 300mA±5% | 430mA±5% | 430mA±5% | 450mA±5% | 430mA±5% | 530mA±5% | 530mA±5% | 560mA±5% |
| Power tolerance | ±5% | | | | | | | |
| Current output tolerance | ±5% | | | | | | | |
| Short circuit protection | PASS | | | | | | | |
| Over voltage protection | PASS | | | | | | | |
| Over temperature protection | PASS | | | | | | | |
| THD | – | ≤20% @ 230VAC | | | | | | |
| Surge | L-N 0.5KV | L-N 1KV LN-PE 2KV | | | | | | |
| Withstand voltage | – | | | | | | | |

# Installation Procedure

**WARNING**

1.Switch off before installation.
2.Switch on only after complete installation and examination of the circuit.
3.Professional electrician for installation and maintenance only.

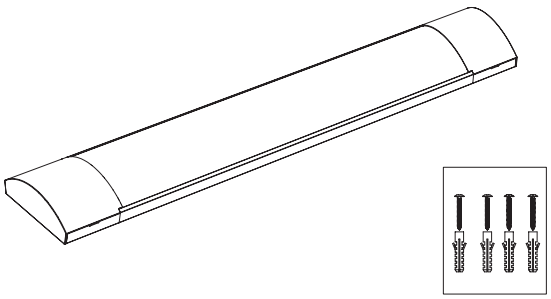





Turn Off power supply before starting any installation. Read instructions & check you have all the tools & accessories to complete the installation correctly.

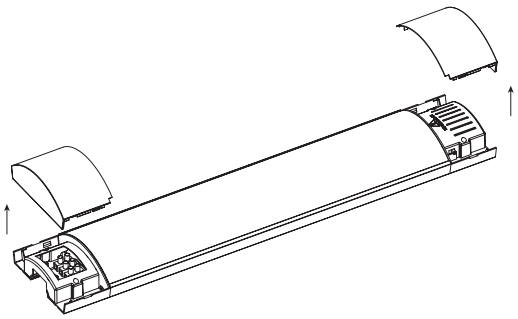
## Suspended:

Step 1



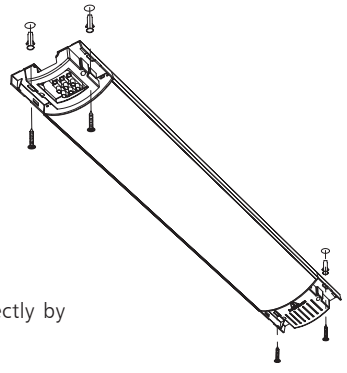
Take out the lamp and accessories.

Step 2



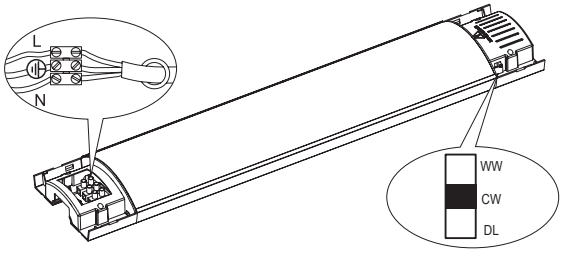
Remove the end cap of the batten.

Step 3



Fix the batten on the wall directly by screws.

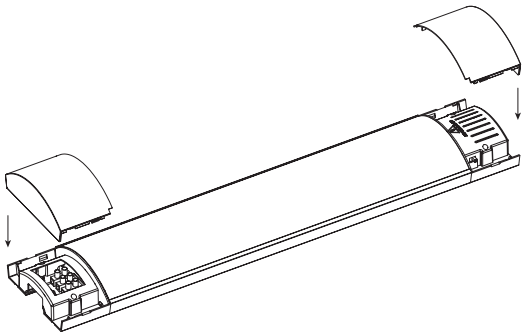
Step 4




Select the appropriate color temperature, connect the wires.
**Warning:**If the CCT need to be changed after installation, power must be turned off.

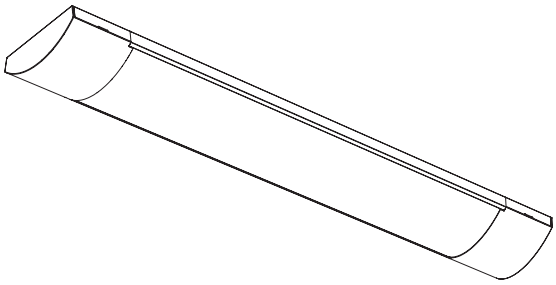
www.upshine.com info@upshine.com TEL: +86 755 2919 7332
Add: 2nd building Dingfeng High-Tech Zone, Fuyuan 1st road, Fu Yong Sub-district, Bao'an, Shenzhen China

Step 5



Put back the end cap.

Step 6



Switch on the lamp and test for correct operation.