



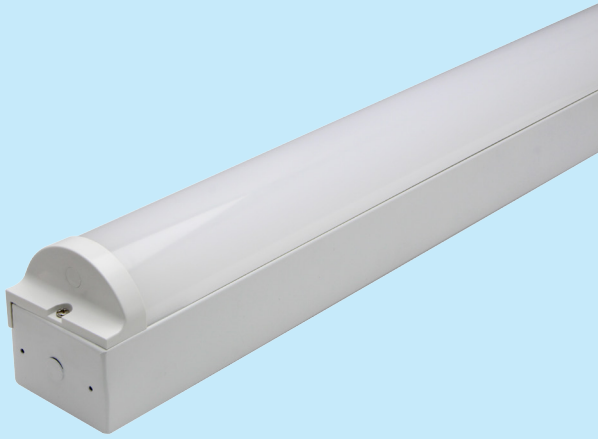
Up-shine[®] Lighting



Technical Application Guide for UP-SHINE LED Linear

UP-DB09-1200-22W-S

Introduction



DB09 LED Linear is mainly designed for Oceania and European market, 2835 high lumen SMD LED chip been used to achieve 120lm/W efficiency. IP20 waterproof structural design, ideal replacement for damp location. Elegant design with 3 types of installation: suspended, surface mounted and recessed, suitable for meeting room, office, school, hospital etc commercial lighting applications.

- Aluminum components generate a rust-free product for less maintenance
- PC Diffuser
- Up to 70% energy saving compared to standard CFL
- Environment friendly, without Mercury or any other hazardous substances

Microwave Sensor

Detection area:

- ◆ 140 degree wide detective beam angle with 5~7 meters distance.

Working pattern:

- ◆ In any given lighting condition, the light switches on automatically when presence detected.
- ◆ After presence left, light will continuously work within time-delay (60 seconds), then automatically switch to 10% brightness.
- ◆ After presence left, any movement detected within time-delay (60 seconds), the light will continuously work for another hold time (60 seconds), automatically switch to 10% brightness until next movement detected.
- ◆ Hold time: 60S

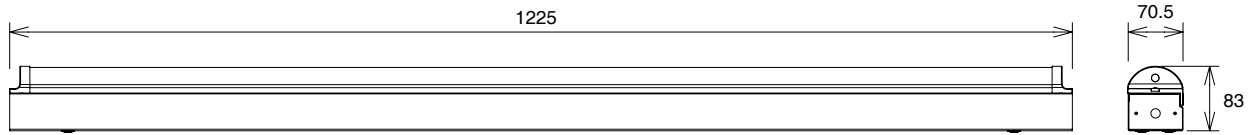
Application Areas

Widely used in office, meeting room, hotel, school etc.

Certificate
RoHS



Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
UP-DB09-1200-22W-S	AC100-240V	22W	≥0.9	2460	160°	3000K	40000h	≥80	No	L1225*W70.5*H83mm
UP-DB09-1200-22W-S	AC100-240V	22W	≥0.9	2600	160°	4000K	40000h	≥80	No	L1225*W70.5*H83mm
UP-DB09-1200-22W-S	AC100-240V	22W	≥0.9	2550	160°	5000K	40000h	≥80	No	L1225*W70.5*H83mm
UP-DB09-1200-22W-S	AC100-240V	22W	≥0.9	2500	160°	5700K	40000h	≥80	No	L1225*W70.5*H83mm

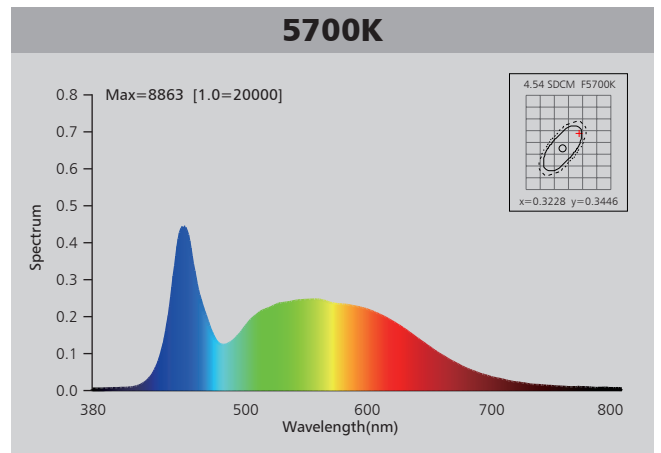
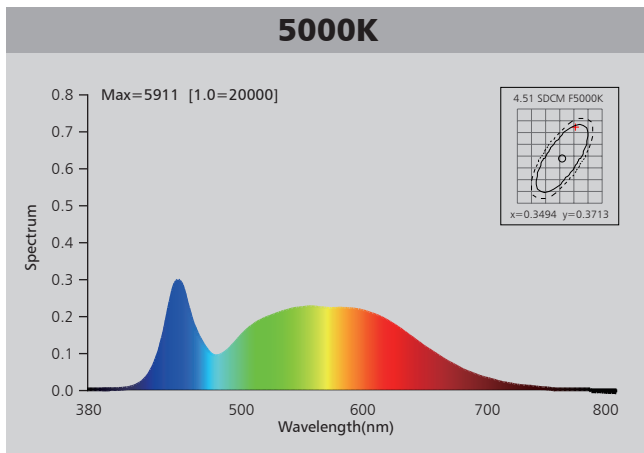
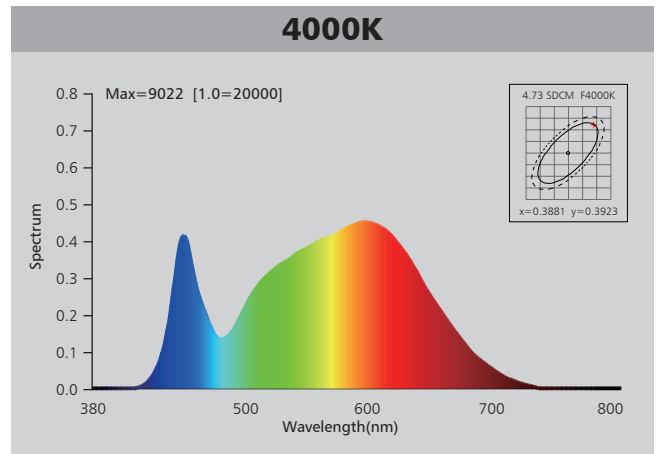
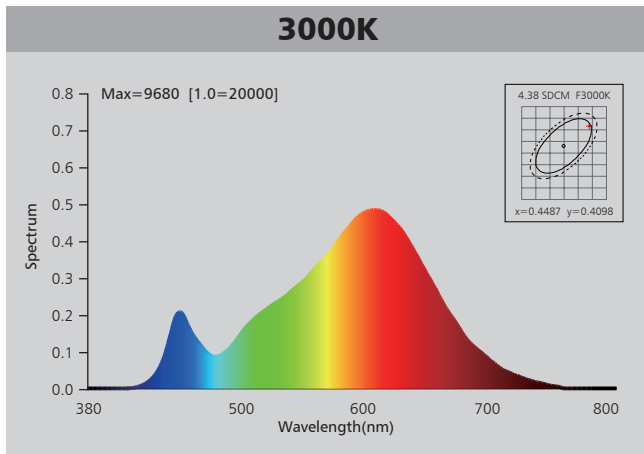
Driver data Sheet

Driver data	Main Power
Input rated Voltage	AC100-240V
Frequency	50/60Hz
Input Voltage	AC85-265V
Efficiency	≥88%
Total load wattage	22W±5%
Load wattage (induction of 10%)	3.5W±0.5W
Power Factor	≥0.9
Rated input current	≤0.25A
Full load output Voltage	60-75V
Rated output current	280mA
Output current range	280mA±5%
Output current (induction of 10%)	28mA
Detection distance	5-7m
Hold time	60S
Power tolerance	±5%
Current output tolerance	±5%
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
THD	≤20% AC230V
Withstand voltage	AC1500V

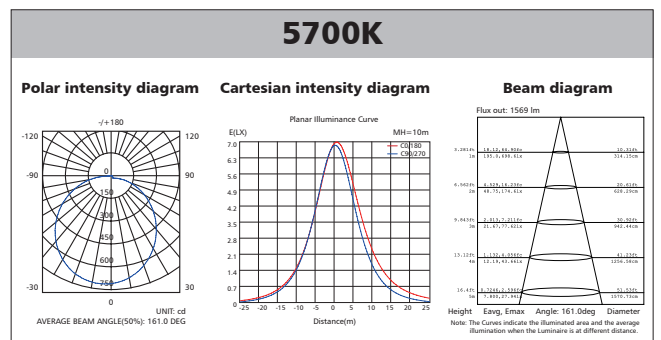
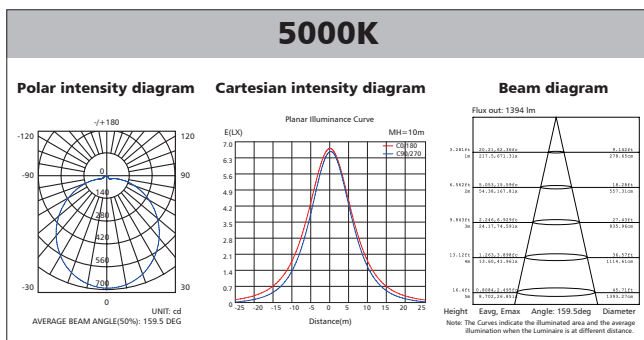
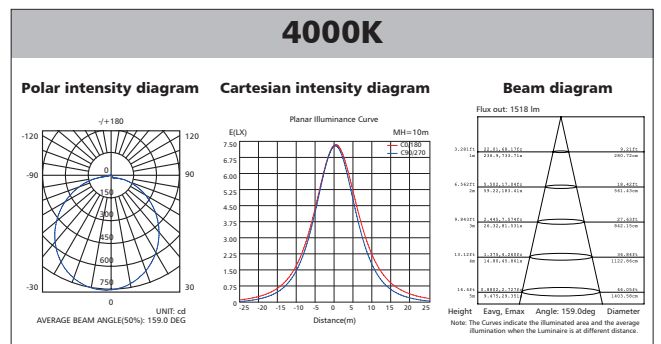
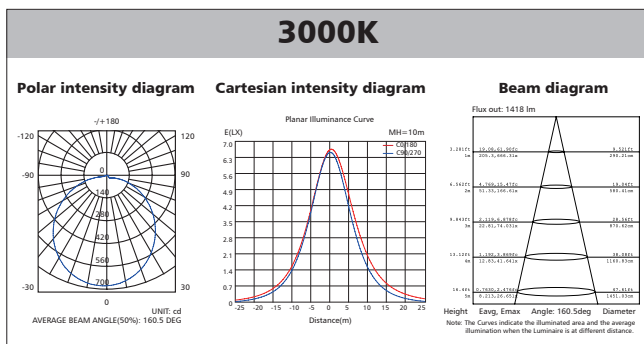
Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
22W	I	IP20	-20°C~45°C	0~90%	-20°C~65°C

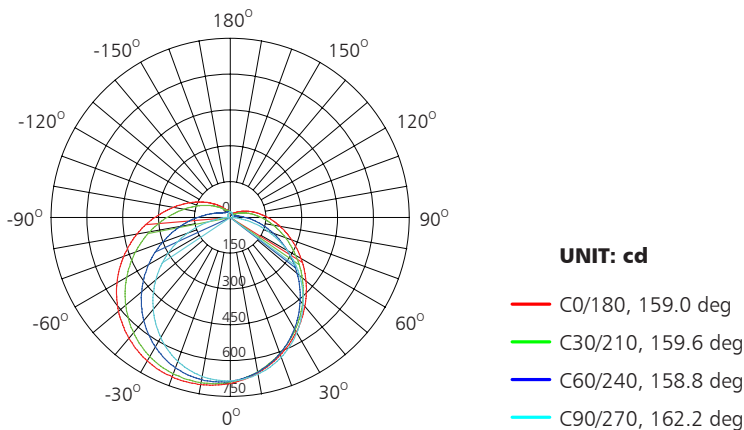
Spectral Distribution



Photometric Diagram



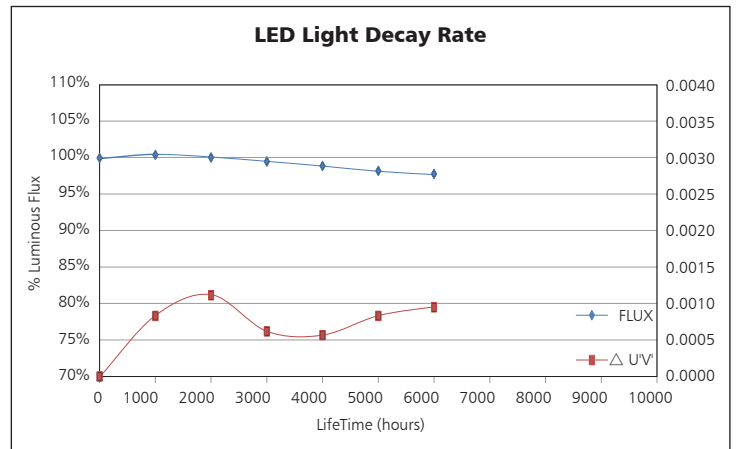
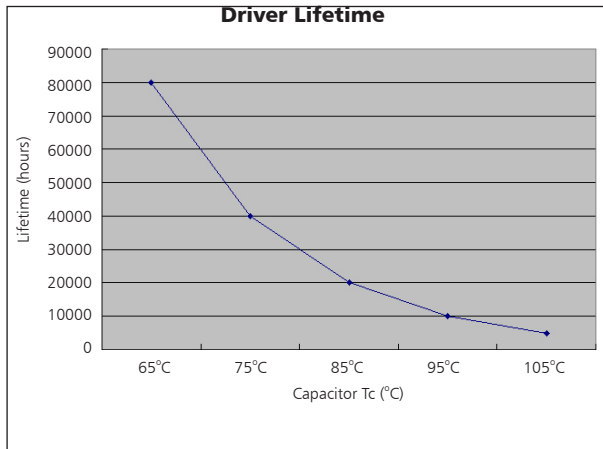
Polar Diagram Comparison



AVERAGE BEAM ANGLE (50%): 159.0DEG

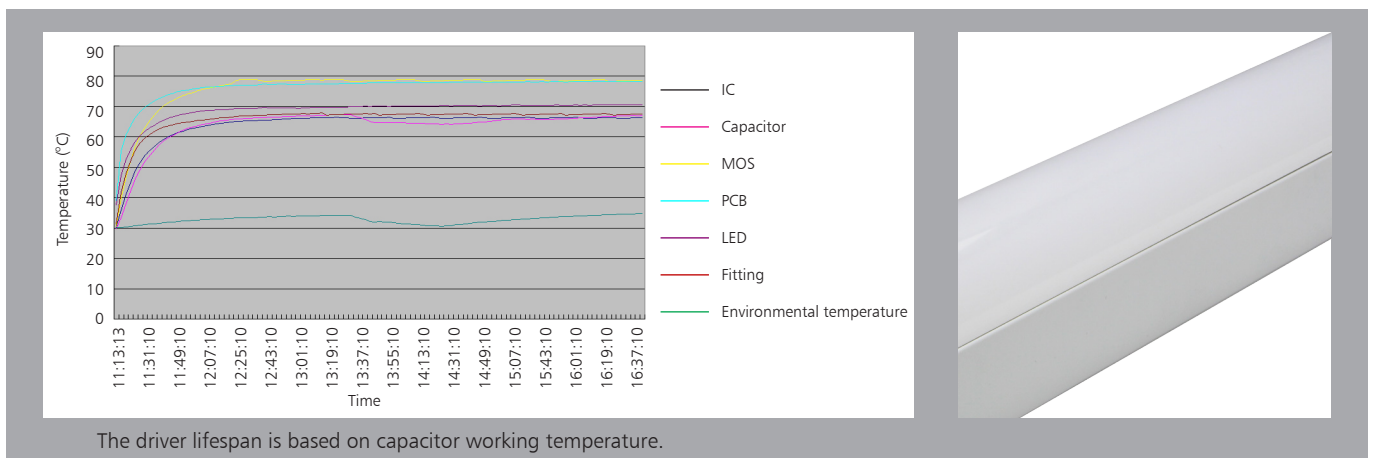


Driver lifetime & LED light decay rate

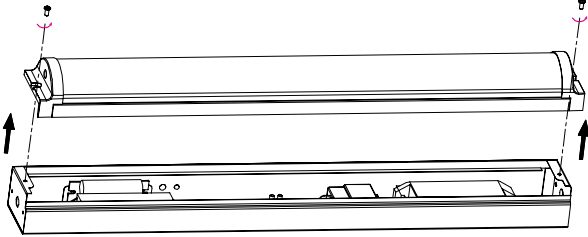
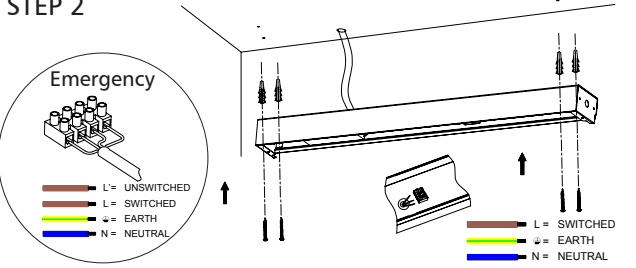
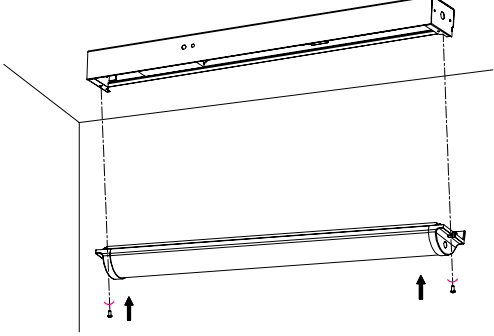
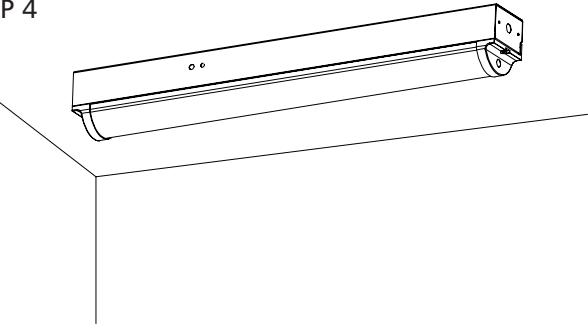


Temperature

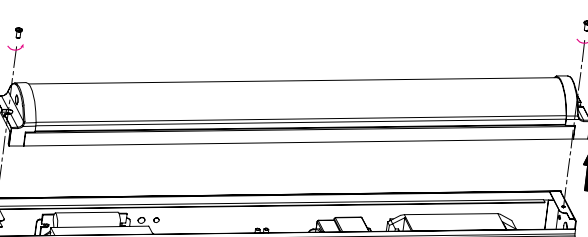
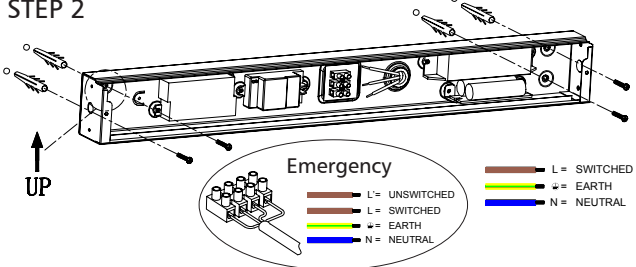
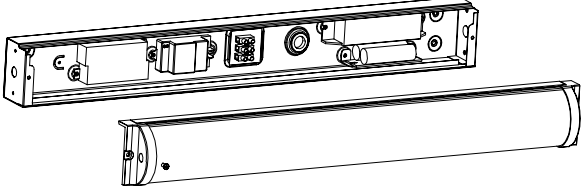
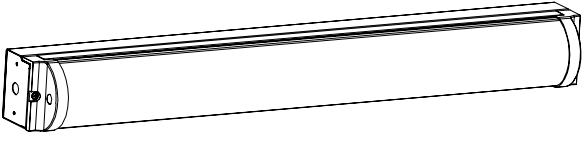
- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



Surface mount

<p>STEP 1</p>  <p>1.Remove the diffuser and cover as show in figure 1.</p>	<p>STEP 2</p>  <p>2.Determine the mounting location and cable entry direction, put the batten against the ceiling and mark the position of the mounting screw holes. Fix lamp base into ceiling with plastic anchor and screw as shown in figure 2.Route the mains cable through the cable entry hole, connect and terminate wires to the terminal block.</p>
<p>STEP 3</p>  <p>3.Refit the cover and diffuser to base.</p>	<p>STEP 4</p>  <p>4.Restore power and check for correct operation.</p>

wall mount

<p>STEP 1</p>  <p>1.Remove the diffuser and cover as show in figure 1.</p>	<p>STEP 2</p>  <p>2.Determine the mounting location and cable entry direction, put the batten against the ceiling and mark the position of the mounting screw holes. Secure the batten to the ceiling with screw. Route the mains cable through the cable entry hole, connect and terminate wires to the terminal block.</p>
<p>STEP 3</p>  <p>3.Refit the cover and diffuser to base.</p>	<p>STEP 4</p>  <p>4.Restore power and check for correct operation.</p>

Suspend install

1. Determine the mounting location and cable entry direction, put the batten against the ceiling and mark the position of the mounting screw holes.

2. Fix hanging wire locking device into ceiling with plastic anchor and screw. Unscrew lamp housing and take diffuser apart from base. Insert steel wire through lamp housing and fix it into locking device.

3. Route the mains cable through the cable entry hole, connect and terminate wires to the terminal block, refit cover and diffuser to base.

4. Adjust the hanging wire, restore power and check for correct operation.

Emergency

- L = UNSWITCHED
- L = SWITCHED
- E = EARTH
- N = NEUTRAL

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Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	125*36.5*22.5	2.5	24.5	8

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	270	2160	28
40" standard container	540	4320	56

