

Shenzhen Founder Industrial Co., Ltd.

Factory: 3/F, Building B, No. 65 Chuangyi Road, Gaofeng Community,
Dalang Subdistrict, Longhua District, Shenzhen, China

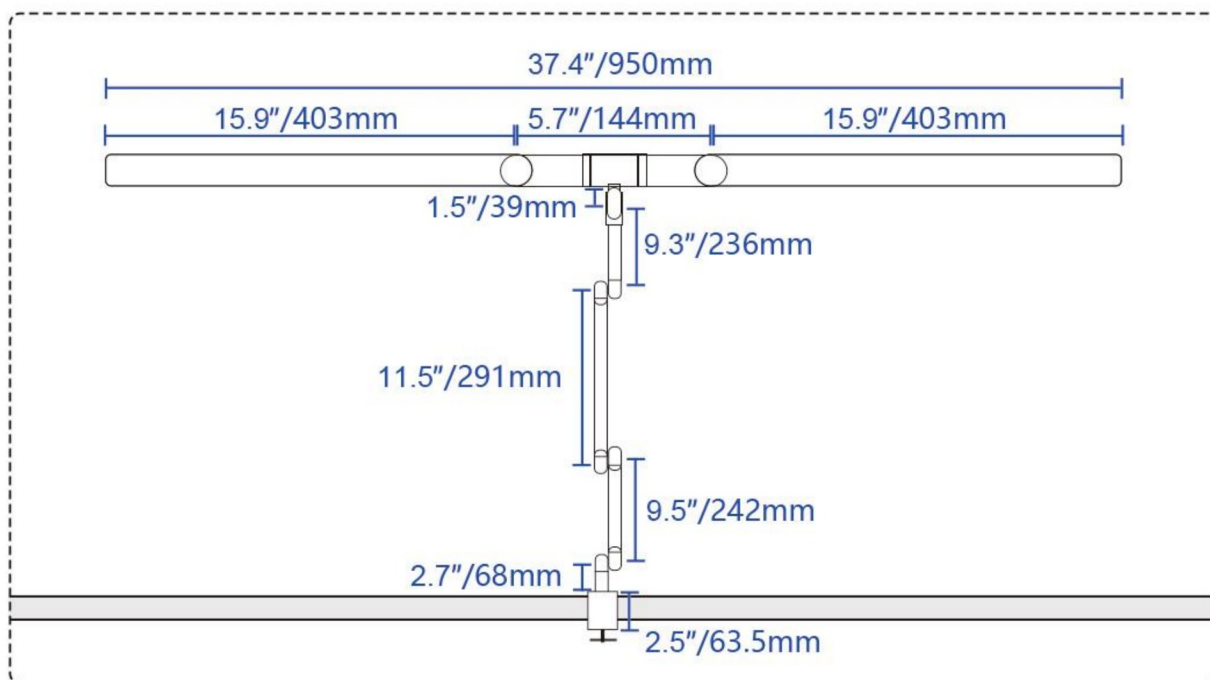
PRODUCT SPECIFICATION

Product Model: FDDL04(A-Z)

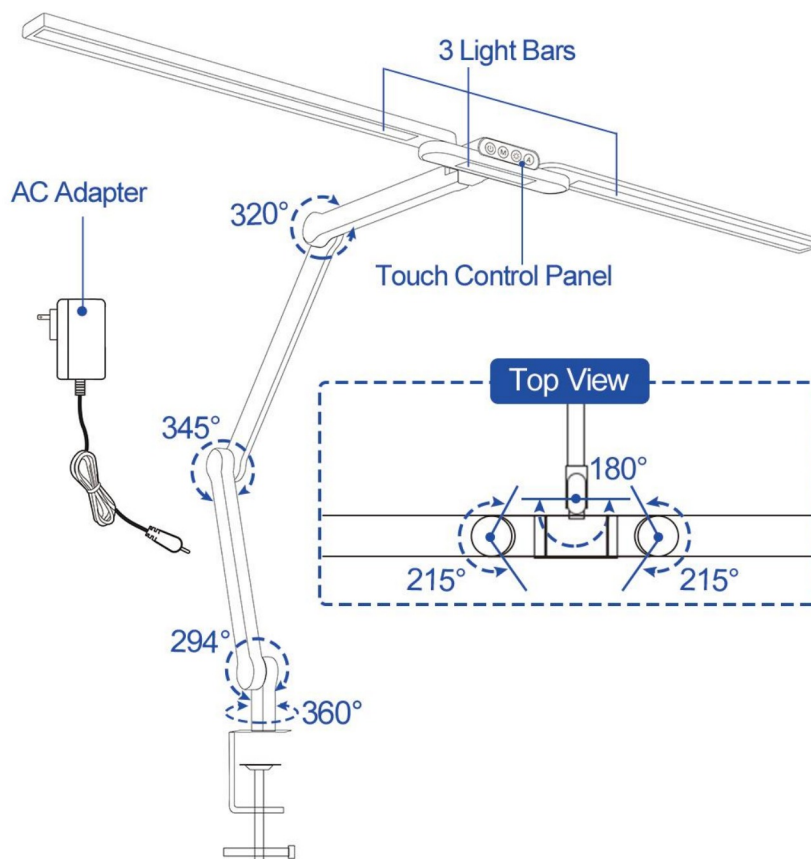


Confirmed by Shenzhen Founder Industrial Co., Ltd.	
Engineering Department	
Quality Department	
Approved By	
Notes:	Company Stamp

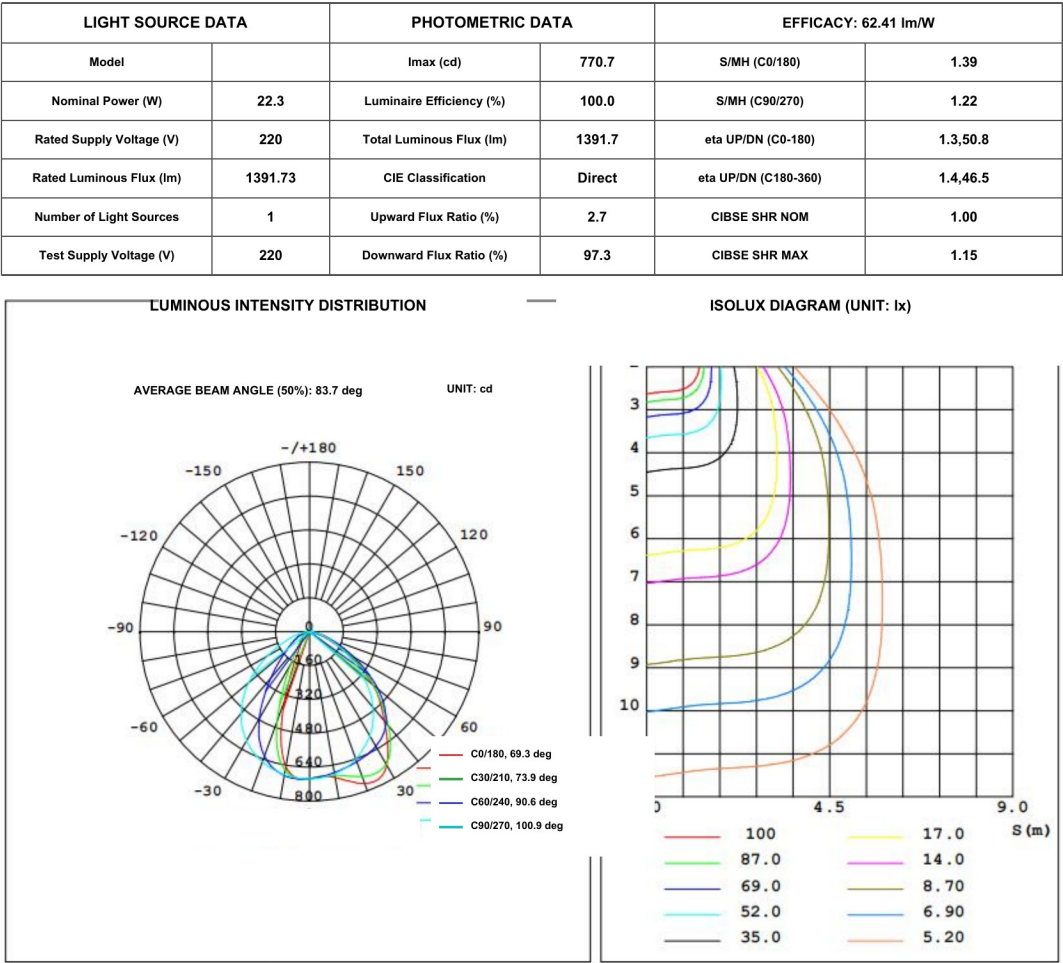
1. Dimensions



2. Adjustment Angles



3. IES Photometric Test Report



4. Function Description



Power Button
Press to turn the lamp on or off. The previous light setting is restored at power-on.



Ambient Light Sensor
Monitors ambient brightness while the lamp is operating.



CCT Button
Press: cycle through 3000 K, 3500 K, 4000 K, 5000 K, and 6500 K.
Press and hold: continuously adjust CCT from 3000 K to 6500 K.



Brightness Button
Press: cycle through 20%, 40%, 60%, 80%, and 100%.
Press and hold: continuously adjust brightness from 20% to 100%.



Ambient Light Indicator
Lights blue while ambient-light control is active.



Ambient Light Control Button
Press to enable ambient-light control. Brightness decreases as ambient light increases, and increases as ambient light decreases.

5. Optical Specifications

Luminous Flux	1550 lm (upgraded; ±10% at 100% brightness)
CCT Range	3000-6500 K ±275 K
Brightness / CCT Control	Touch control
LED Specification	2835 LEDs; 0.5 W; 150 mA; 65-70 lm; CRI 90; 154 pcs
LED Service Life	>40,000 h
Color Rendering Index (CRI)	Ra ≥ 90
Center Illuminance at 60 cm	>1,900 lx

6. Adapter Specifications

Input	AC 100-240 V, 50/60 Hz, 0.8 A
Output	24 V DC ±5%
Rated Output Current	1 A DC
Rated Output Power	24 W
Power Factor	0.5 ±0.05
Operating Temperature	-10 °C to 40 °C
Certifications	CE, RoHS, ETL, PSE, CCC, UKCA
DC Cable Length	2 m
DC Connector	5.5 x 2.1 x 10 mm, right-angle plug

7. Lamp Electrical Specifications (Adapter Excluded)

Rated Input	24 V DC
Rated Power	20 W ±10%
Power Supply Efficiency	≥ 80%
Protection Class	Class III
LED Driver Type	Constant-voltage
Battery	None

8. Complete Unit Electrical Specifications (Adapter + Lamp)

Rated Input	AC 100-240 V, 50/60 Hz, 0.1 A
Rated Power (Adapter + Lamp)	22 W ±10% (LED module / adapter)
Power Factor (Adapter + Lamp)	0.5
Standby Power (Adapter + Lamp)	<0.5 W
Protection Class (Adapter + Lamp)	Class II

9. Structural Specifications

Housing Materials	PC, ABS, aluminum alloy, steel
Profile Surface Finish	Powder coating
Number of Pivot Joints	7
Pivot Joint Torque	10 kg, 20 kg, 35 kg
Pivot Joint Service Life	20,000 cycles

10. Operating Environment

Application	Indoor use
Operating Temperature	-20 °C to 45 °C
Operating Humidity	0-85% RH
IP Rating	IP20 (default rating when not otherwise marked)
Service Life	≥20,000 h

11. Product Interface

Connector	DC connector, 5.5 mm diameter
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12. Product Certifications

Certifications	CE, RoHS, UKCA, FCC
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13. Packaging Specifications (Subject to Actual Shipment)

Outer Carton	465 x 415 x 460 mm
Color Box	448 x 197 x 88 mm
Quantity per Master Carton	10 sets
Gross Weight per Unit	1.35 kg
Total Gross Weight	14.5 kg