

Shenzhen Founder Industrial Co., Ltd.

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

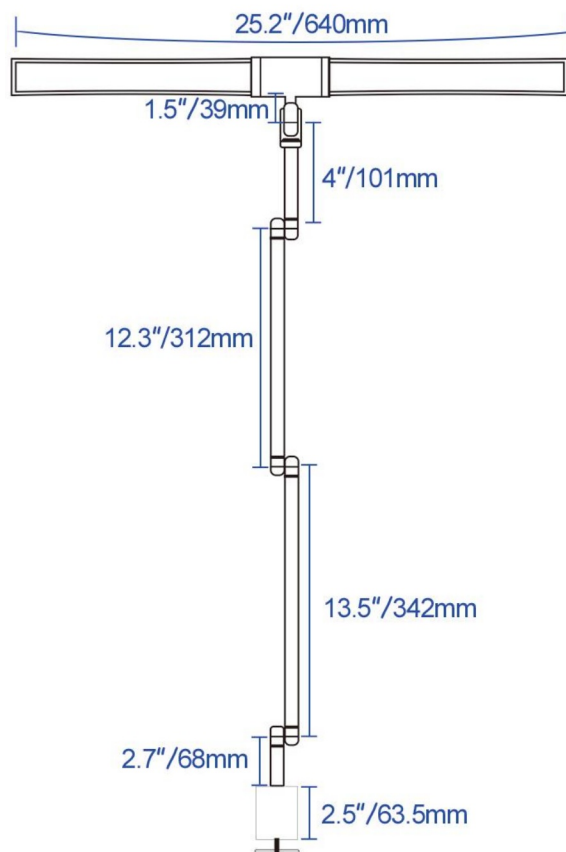
PRODUCT SPECIFICATION

Product Model: FDDL08(A-Z)

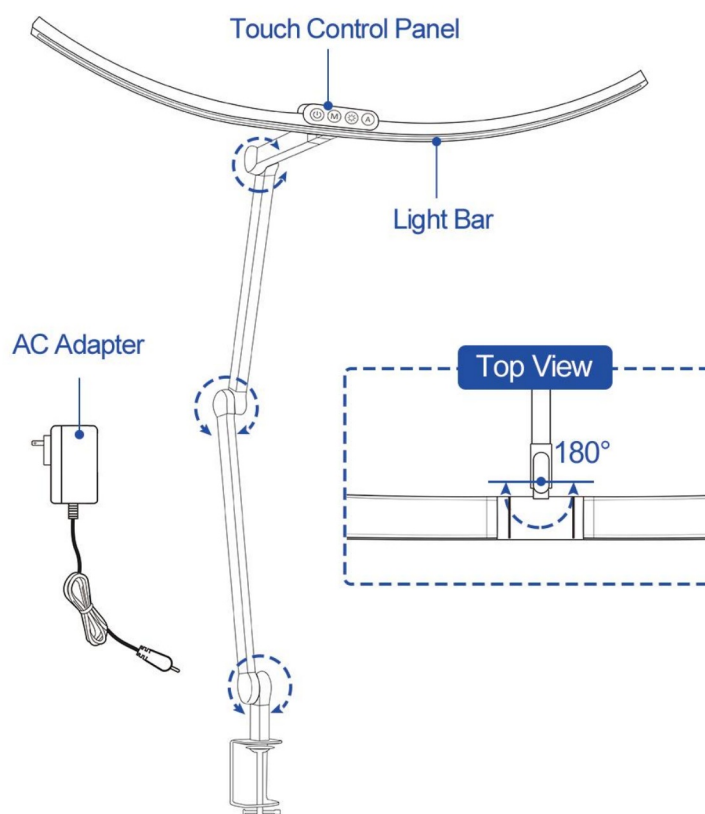


Confirmed by Shenzhen Founder Industrial Co., Ltd.	
Engineering Department	
Quality Department	
Approved By	
Notes:	Company Stamp

1. Dimensions

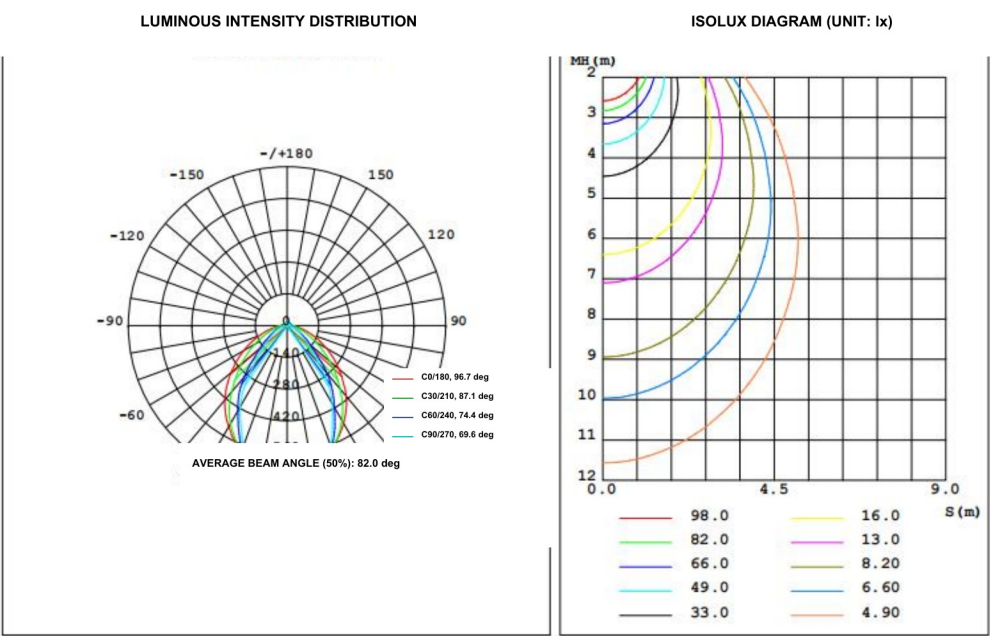


2. Adjustment Angles



3. IES Photometric Test Report

LIGHT SOURCE DATA		PHOTOMETRIC DATA		EFFICACY: 56.95 lm/W	
Model		I _{max} (cd)	656.1	S/MH (C0/180)	1.18
Nominal Power (W)	22	Luminaire Efficiency (%)	100.0	S/MH (C90/270)	1.01
Rated Supply Voltage (V)	220	Total Luminous Flux (lm)	1298.4	eta UP/DN (C0-180)	1.9,46.9
Rated Luminous Flux (lm)	1298.41	CIE Classification	Direct	eta UP/DN (C180-360)	2.0,49.3
Number of Light Sources	1	Upward Flux Ratio (%)	3.8	CIBSE SHR NOM	1.00
Test Supply Voltage (V)	220.7	Downward Flux Ratio (%)	96.2	CIBSE SHR MAX	1.15



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	1300 lm (±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; 98 pcs
LED Service Life	>40,000 h
Color Rendering Index (CRI)	Ra ≥ 90
Center Illuminance at 40 cm	>1,000 lx

6. Adapter Specifications

Input	AC 100-240 V, 50/60 Hz
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, SAA, KC
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	3
Pivot Joint Torque	5 kg, 15 kg, 20 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	670 x 320 x 525 mm
Color Box	650 x 150 x 100 mm
Quantity per Master Carton	10 sets
Gross Weight per Unit	1.28 kg
Total Gross Weight	14.3 kg