

Shenzhen Founder Industrial Co., Ltd.

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

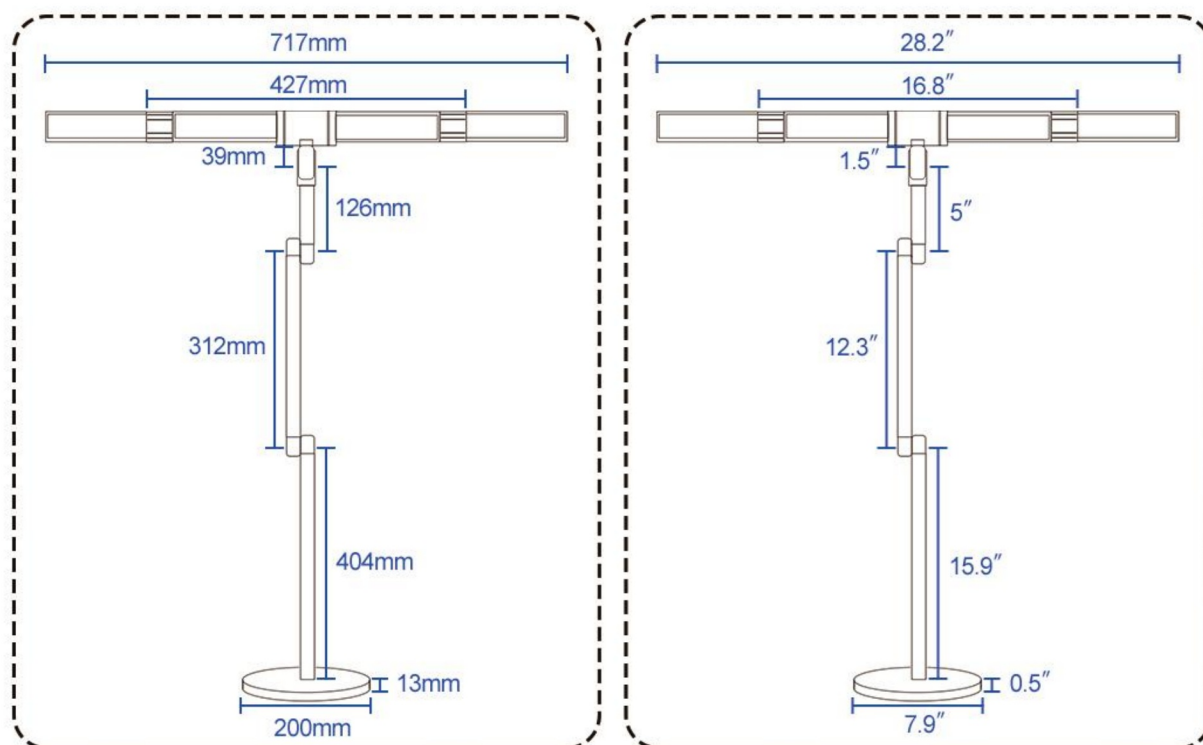
PRODUCT SPECIFICATION

Product Model: FDDL09(A-Z)

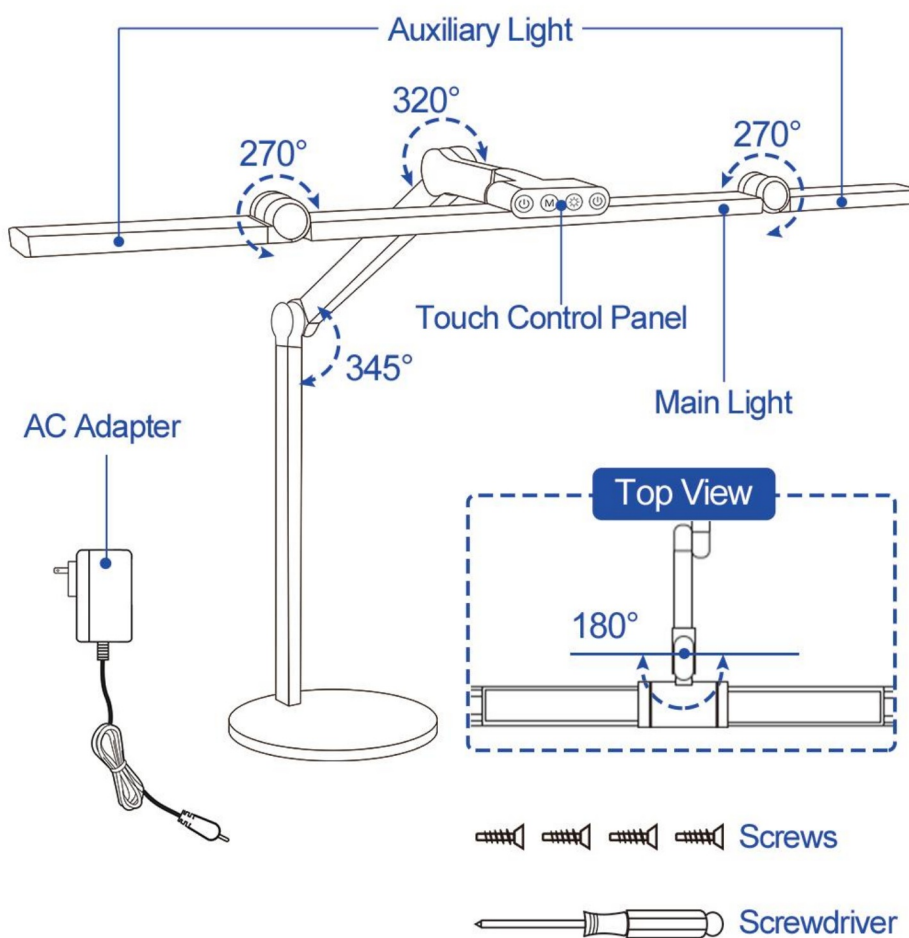


Confirmed by Shenzhen Founder Industrial Co., Ltd.	
Engineering Department	
Quality Department	
Approved By	
Notes:	Company Stamp

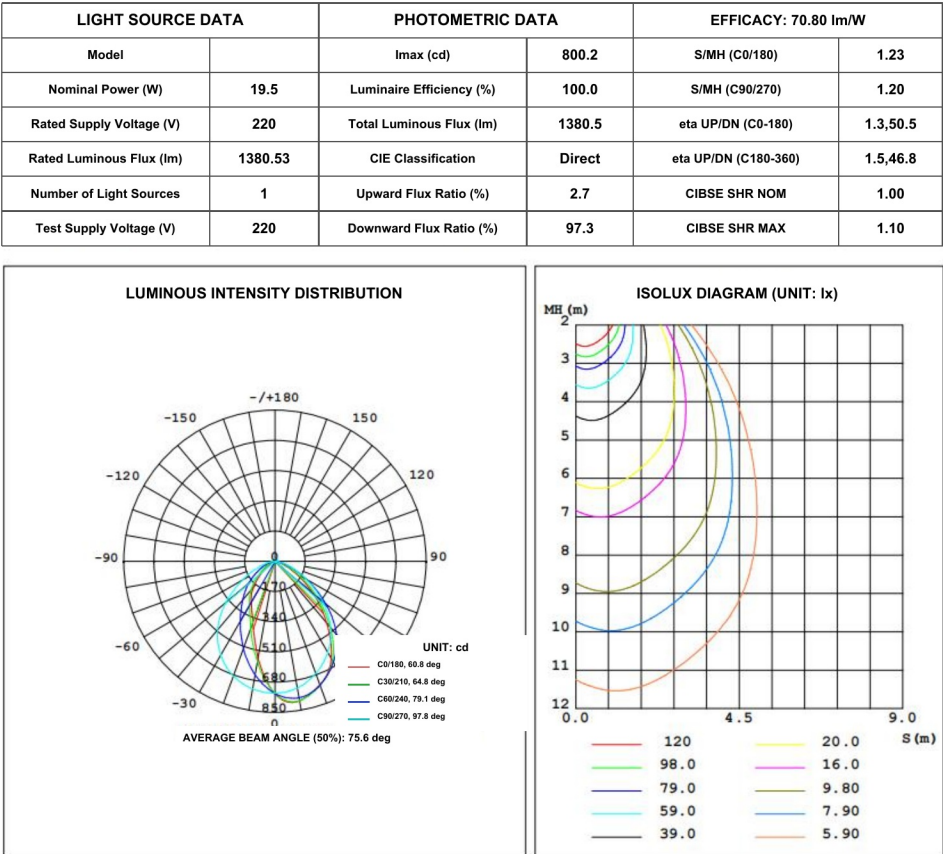
1. Dimensions



2. Adjustment Angles



3. IES Photometric Test Report



4. Function Description



	Main Light Power Button Press to turn the main light 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: stepless CCT adjustment from 3000 K to 6500 K.
	Brightness Button Press: cycle through 20%, 40%, 60%, 80%, and 100%. Press and hold: stepless brightness adjustment from 20% to 100%.
	Ambient Light Indicator Lights blue while ambient-light control is active.
	Auxiliary Light Power / Ambient Light Control Button Press: turn the auxiliary light on or off. Press and hold: enable ambient-light control; brightness automatically adapts to ambient light.
Note	When both lights are on, brightness and CCT adjustments are synchronized.

5. Optical Specifications

Luminous Flux	1380 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; 140 pcs
LED Service Life	>40,000 h
Color Rendering Index (CRI)	Ra ≥ 90
Center Illuminance at 60 cm	>1,700 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	18 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)	20 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 Joints	7
Joint Torque Rating	10 kg, 20 kg, 35 kg
Joint Service Life	20,000 cycles

10. Operating Environment

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

11. Product Connector

Connector Type	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	485 x 465 x 380 mm
Color Box	445 x 233 x 88 mm
Quantity per Master Carton	8 sets
Gross Weight per Unit	2.3 kg
Total Gross Weight	19.64 kg