

Shenzhen Founder Industrial Co., Ltd.

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

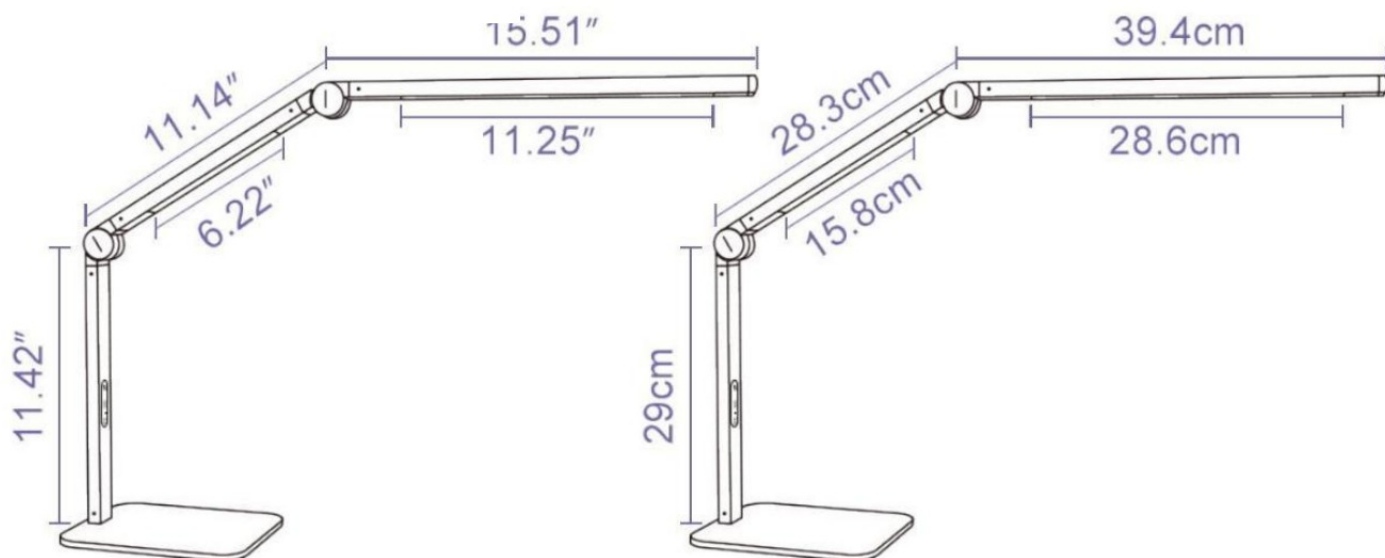
PRODUCT SPECIFICATION

Product Model: FDDL16

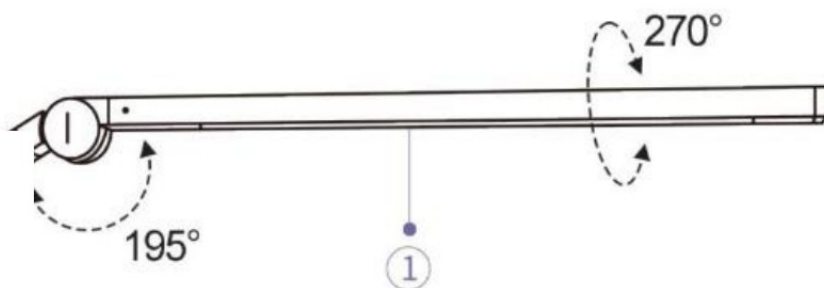


Confirmed by Shenzhen Founder Industrial Co., Ltd.	
Engineering Department	
Quality Department	
Approved By	
Notes: Company Stamp	

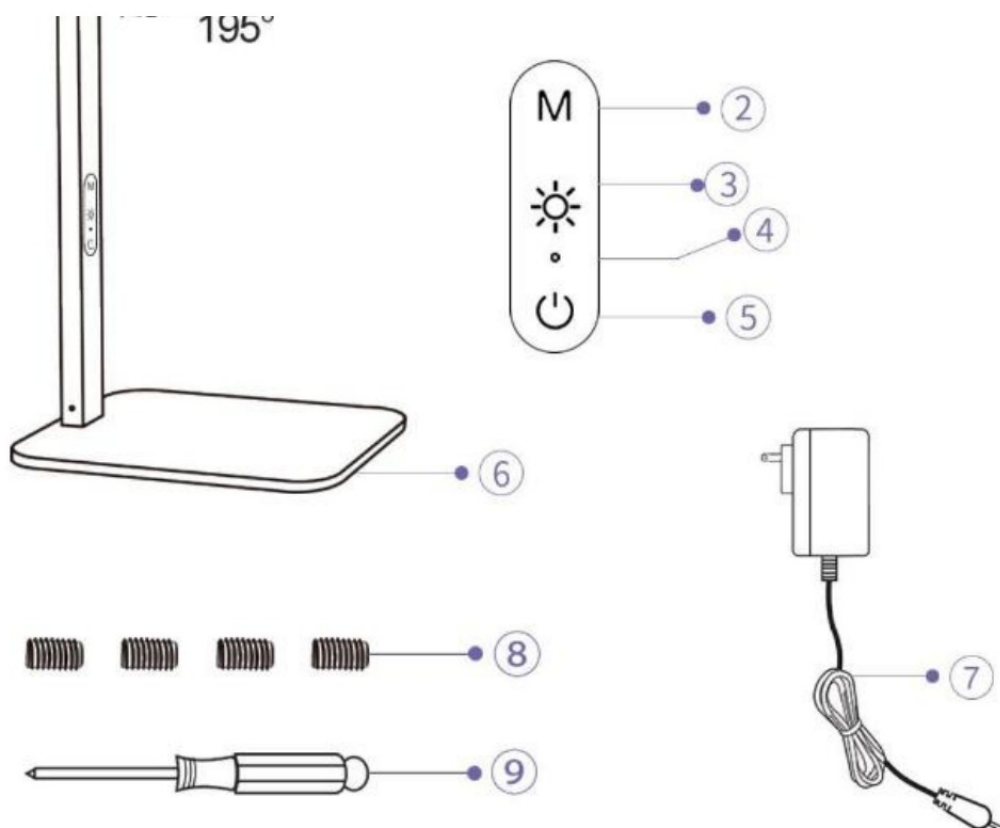
1. Dimensions



二、旋转角度:



2. Adjustment Angles

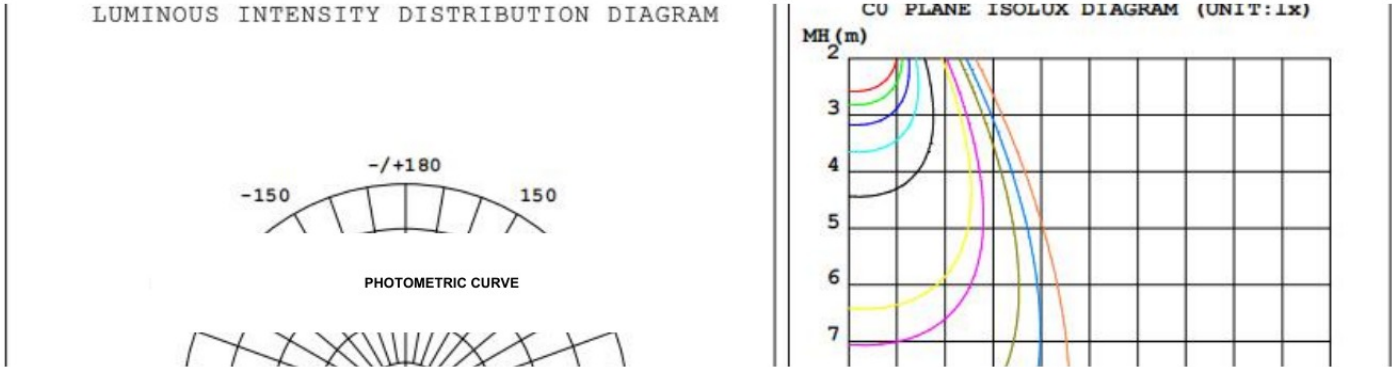


3. IES Photometric Test Report

Rated Lamp Power	10 W±10%
Rated Supply Voltage	24 V DC±5%
Rated Luminous Flux	727 lm (±10% at 100% brightness))
CCT Range	3000-6500 K±275 K
Color Rendering Index	Ra≥90
Center Illuminance	□ 40 cm >2600 lx

LUMINOUS INTENSITY DISTRIBUTION

ISOLUX DIAGRAM (UNIT: lx)



4. Function Description

CCT	Press to cycle through 3000 K, 4000 K, 5000 K, and 6500 K.
Brightness	Press to cycle through 20%, 40%, 60%, 80%, and 100%.
Timer Indicator	The indicator breathes while the timer is active.
Power / Timer	Press to turn the lamp on or off. Press and hold to start the 30-minute timer.

5. Optical Specifications

Luminous Flux	727 lm ($\pm 10\%$ at 100% brightness))
CCT Range	3000-6500 K ± 275 K
Brightness / CCT Control	Touch control and RF remote control
LED Specification	2835 0.5 W 150 mA luminous flux:65-70 lm ,CRI:90 ; total 70 pcs
LED Service Life	>40000 H
Color Rendering Index (CRI)	Ra ≥ 90
Center Illuminance	□ 40 cm >2600 lx

6. Adapter Specifications

Input	AC 100-240 V 50/60Hz, 0.5 A
Output	24 V DC $\pm 5\%$
Rated Output Current	DC 0.5 A
Rated Output Power	12 W
Power Factor	0.5 ± 0.05
Operating Temperature	-10-40 °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
Rated Power	10 W $\pm 10\%$
Power Supply Efficiency	$\geq 80\%$
Protection Class	Class III
LED Driver Type	Constant-voltage
Battery	None

8. Complete Unit Electrical Specifications

Rated Input	AC 100-240 V 50/60Hz, 0.1 A
Rated Power (Adapter + Lamp)	11 W±10%(LED module / adapter)
Power Factor	0.5
Standby Power	<0.5 W
Protection Class	Class II

9. Structural Specifications

Housing Materials	PS, PA, aluminum alloy, steel
Profile Surface Finish	Powder coating
Number of Joints	5
Joint Torque Rating	20 kg
Joint Service Life	20000 cycles

10. Operating Environment

Application	Indoor use
Operating Temperature	-20 °C-45 °C
Operating Humidity	0%-85%RH
Ingress Protection	IP20 (default unless otherwise marked)
Service Life	≥20000 h

11. Product Connector

Connector Type	5.5 x 2.1 x 10 mm right-angle plug
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12. Product Certifications

Certifications	□□ CE, RoHS, ETL, PSE, CCC, UKCA
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13. Packaging Specifications (Subject to Actual Shipment)

Outer Carton	460 x 375 x 391 mm
Color Box	439 x 178 x 53 mm
Quantity per Master Carton	14 sets
Gross Weight per Unit	1.3 kg
Total Gross Weight	18.98 kg