

Shenzhen Founder Industrial Co., Ltd.

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

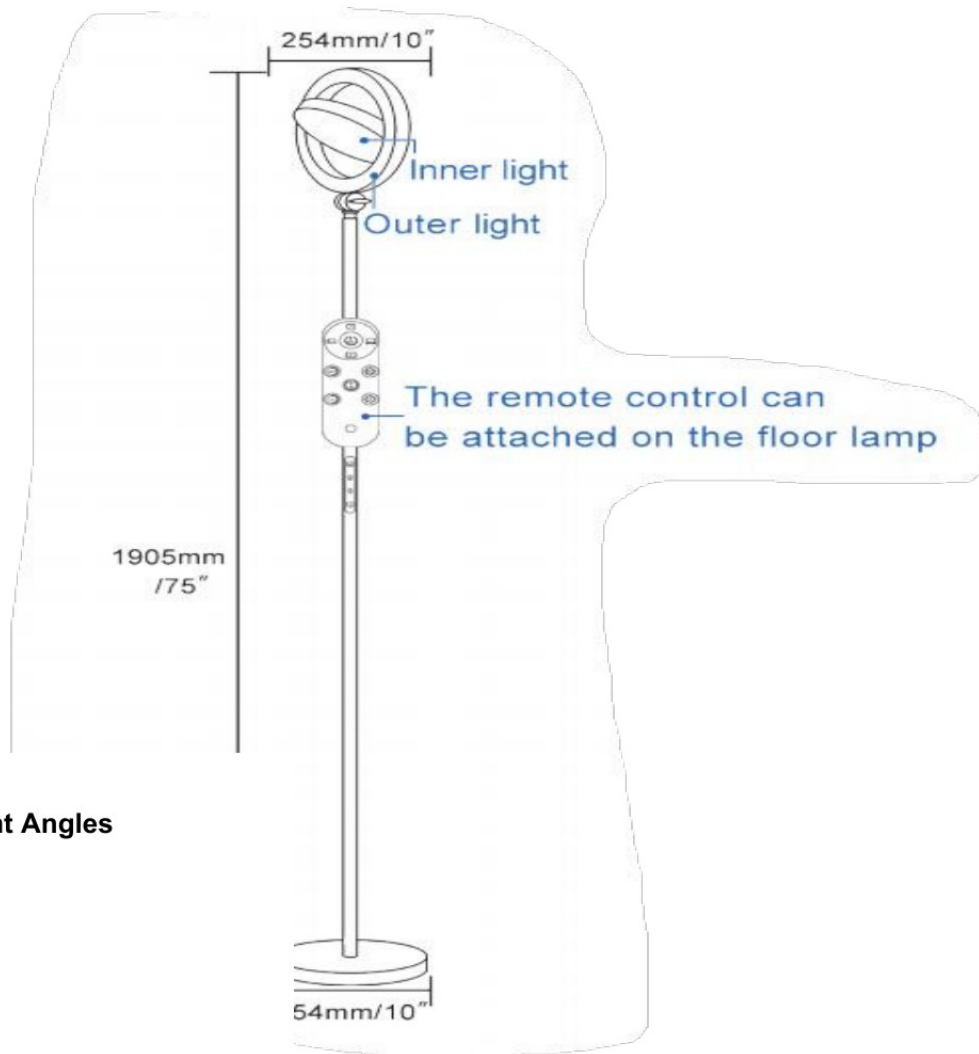
PRODUCT SPECIFICATION

Product Model: FDFL03(A-Z)



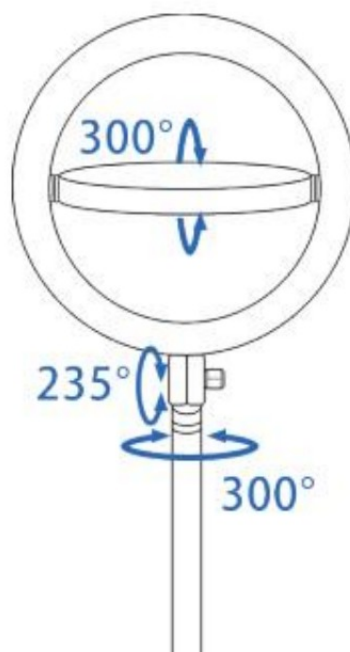
Confirmed by Shenzhen Founder Industrial Co., Ltd.	
Engineering Department	
Quality Department	
Approved By	
Notes: Company Stamp	

1. Dimensions



2. Adjustment Angles

二、旋转角度:

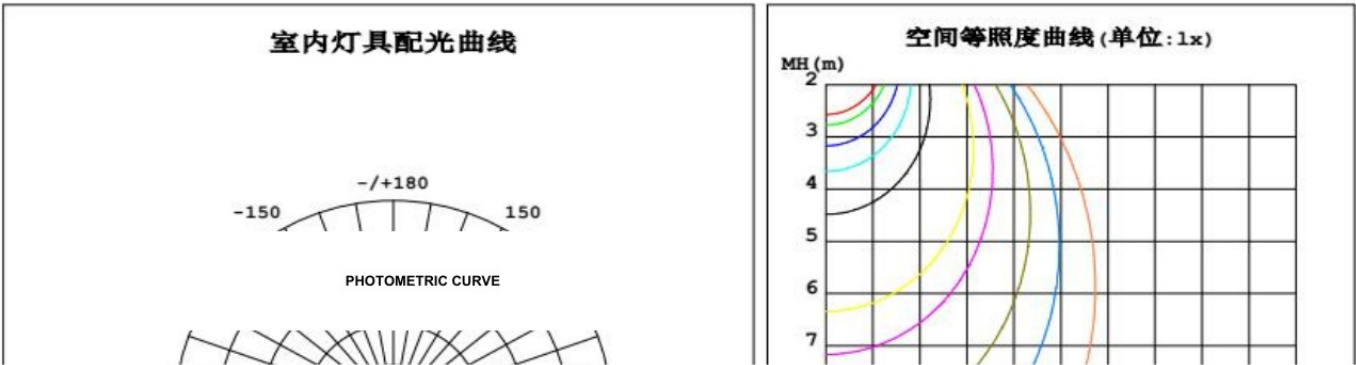


3. IES Photometric Test Report

Rated Lamp Power	31 W±10%
Rated Supply Voltage	24 V DC±5%
Rated Luminous Flux	2300 lm (±10% at 100% brightness))
CCT Range	1900-6500 K±275 K
Color Rendering Index	Ra≥80
Center Illuminance	□ 60 cm 2100 lx

LUMINOUS INTENSITY DISTRIBUTION

ISOLUX DIAGRAM (UNIT: lx)



4. Function Description

Inner / Outer Light	Select and control the inner and outer light sources independently.
CCT Presets	Choose preset white-light CCT levels for reading, work, relaxation, or night lighting.
Brightness	Adjust brightness from 10% to 100%.
Mode	Select static, dynamic, scene, and music-synchronized lighting modes.
Memory	The previous operating mode is restored after normal power cycling.

5. Remote Control Functions

Power	Turn the lamp on or off; the previous light setting is restored.
Brightness + / -	Adjust brightness through preset levels or continuously.
CCT + / -	Adjust CCT through preset levels or continuously.
Ambient / Timer	Enable ambient-light control or the 30-minute timer, depending on the model.
Main / Auxiliary Light	Select the main or auxiliary light source for independent control.
Memory	Normal power cycling restores the previous operating state.

Remote-control notes

- Remove the battery insulation tab before first use.
- Point the remote toward the lamp and keep the signal path unobstructed.
- Replace the battery when the response range becomes noticeably shorter.
- Button availability may vary slightly by model; unsupported keys have no effect.

6. Optical Specifications

Luminous Flux	2300 lm ($\pm 10\%$ at 100% brightness))
CCT Range	1900-6500 K ± 275 K
Brightness / CCT Control	Touch control and remote control
LED Specification	2835 0.5 W 150 mA luminous flux:48-75 lm,CRI:80 ; total 168 pcs
LED Service Life	>40000 H
Color Rendering Index (CRI)	Ra ≥ 80
Center Illuminance	□ 60 cm 2100 lx

7. Adapter Specifications

Input	AC 100-240 V 50/60Hz, 1.2 A
Output	24 V DC $\pm 5\%$
Rated Output Current	DC 1.5 A
Rated Output Power	36 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

8. Lamp Electrical Specifications (Adapter Excluded)

Rated Input	24 V
Rated Power	31 W $\pm 10\%$
Power Supply Efficiency	$\geq 80\%$
Protection Class	Class III
LED Driver Type	Constant-voltage
Battery	None

9. Complete Unit Electrical Specifications

Rated Input	AC 100-240 V 50/60Hz, 0.15 A
Rated Power (Adapter + Lamp)	34 W±10%(LED module / adapter)
Power Factor	0.5
Standby Power	<0.5 W
Protection Class	Class II

10. Structural Specifications

Housing Materials	PC, ABS, aluminum alloy, steel
Profile Surface Finish	Powder coating
Number of Joints	3
Joint Torque Rating	5 kg
Joint Service Life	20000 cycles

11. 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

12. Product Connector

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

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

Outer Carton	460 x 305 x 490 mm
Color Box	440 x 285 x 117 mm
Quantity per Master Carton	4 sets
Gross Weight per Unit	4.19 kg
Total Gross Weight	17.7 kg