

Shenzhen Founder Industrial Co., Ltd.

Factory Address: East Side, 5/F, Building C, Colent Low-Carbon Industrial Park,
Dalang Subdistrict, Longhua District, Shenzhen, China

PRODUCT SPECIFICATION

English Edition

Product Model: FDGL01(A-Z)



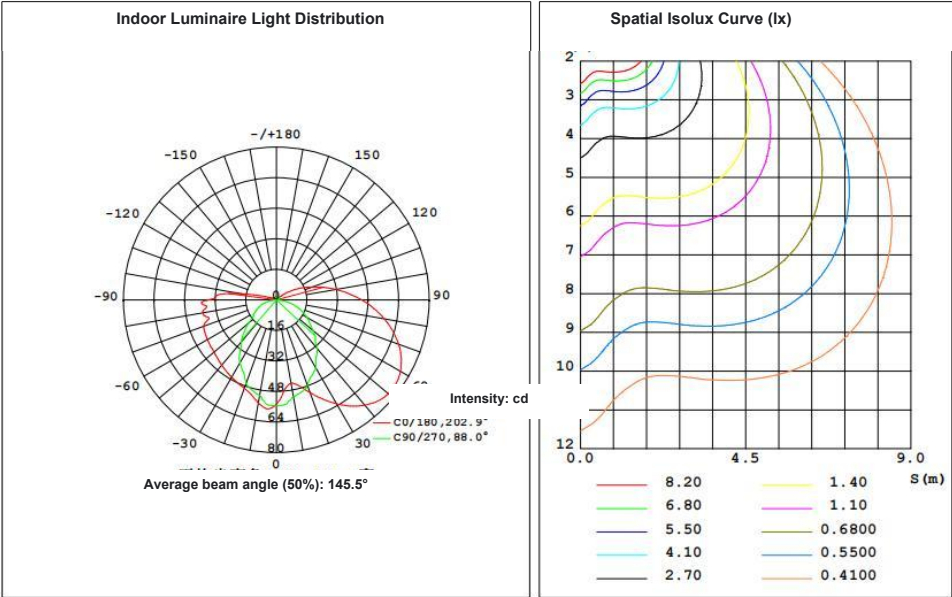
Shenzhen Founder Industrial Co., Ltd. Confirmation	
Engineering Department	
Quality Department	
Approval	
Note:	Company Chop

1. Overall Dimensions

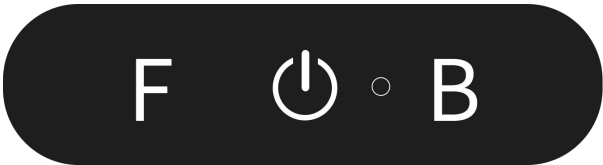


2. IES Test Report

Light Source Data		Photometric Data Efficacy: 38.36 lm/W			
Model	-	Peak intensity (cd)	76.66	S/MH (C0/180)	1.96
Nominal power (W)	7.3	Luminaire efficiency (%)	100.0	S/MH (C90/270)	1.12
Rated supply voltage (V)	220	Total luminous flux (lm)	280.82	η UP,DN (C0-180)	7.7,47.2
Rated luminous flux (lm)	280.821	CIE class	Semi-direct	η UP,DN (C180-360)	5.7,39.4
No. of light sources	1	Upward flux ratio (%)	13.3	CIBSE SHR NOM	1.50
Measured supply voltage (V)	220.6	Downward flux ratio (%)	86.7	CIBSE SHR MAX	1.50



3. Functional Description



FRONT LIGHT CONTROL
Tap: cycle 3000K / 4000K / 5000K / 6000K
Press and hold: stepless brightness adjustment



POWER BUTTON
Tap: turn the front light on/off
Press and hold: turn the rear light on/off



REAR LIGHT CONTROL
Tap: cycle 3000K / 4000K / 5000K / 6000K
Press and hold: stepless brightness adjustment

4. Optical Parameters

Luminous flux	300 lm ($\pm 10\%$ at 100% brightness)
CCT range	3000-6000 K ± 275 K
Brightness / CCT adjustment	Touch control
LED specification	SMD 2835, 0.5 W, 150 mA; 50-55 lm; CRI 80; 80 pcs total
LED lifetime	>40,000 h
Color rendering index (CRI)	Ra ≥ 80
Center illuminance at 40 cm	>400 lux

5. Electrical Performance of Lamp (Excluding Adapter)

Rated input	5 V DC
Rated power	4.5 W $\pm 10\%$
Electric-shock protection (excluding adapter)	Class III
LED driver type	Constant-voltage
Battery included	No

6. Mechanical Parameters

Housing materials	PC, ABS, aluminum alloy, iron
Profile surface finish	Powder coating
Number of pivots	1
Pivot life	5,000 cycles

7. Operating Environment

Use environment	Indoor
Operating temperature	-20°C to 45°C
Operating humidity	0%-85% RH
IP rating	IP20 (default when not marked)
Service life	$\geq 20,000$ h

8. Product Interface

Connector type	USB Type-C
----------------	------------

9. Packaging Specification (Subject to Actual Shipment)

Outer carton	46 × 31 × 45 cm
Color box	442 × 106 × 48 mm
Quantity per carton	24 sets/carton
Gross weight per piece	560 g
Total gross weight	15 kg

10. Application Scenarios

