

# LED Guardrail lights

FH-GRB-W55/70

## LED Guardrail lights

LED guardrail lights are a high-end linear decorative lighting series characterized by low power consumption, long lifespan, high brightness, maintenance-free operation, easy installation and removal, waterproof structure, and durability. They are used for wall washing and road lighting. This product is suitable for road lighting, overpasses, river and lake fencing, and building exteriors.

### A. Product appearance and structure

Housing material: PC + Aluminum Alloy 6063  
 LED chips: SMD  
 Waterproof rating: IP65  
 Input voltage: 24V DC  
 Operating temperature: -25~50℃



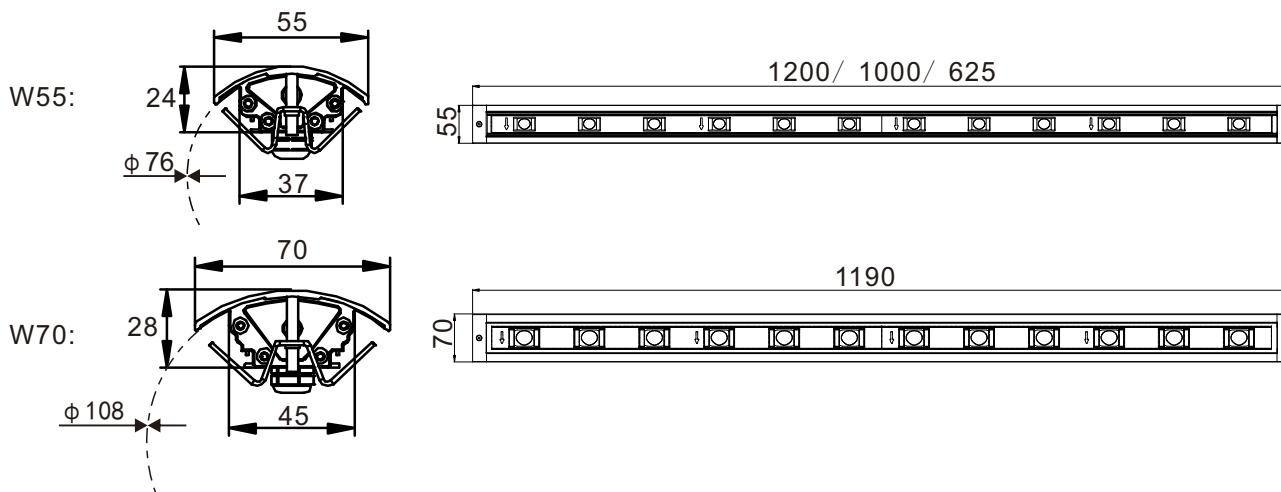
#### 1. Product Parameters

Model	LED Quantity	LED color	power	Lens angle	Guardrail pipediameter	Product Dimensions	Opening size	lamp body weight	✓
FH-GRB-W55-L12-S	12	4000K	4W	12x100° Polarized 30	φ 76mm	L1200*H55*W24mm	L1190*W40~45mm	1.13±5%kg	
FH-GRB-W55-L6-S	6	4000K	4W	12x100° Polarized 30°	φ 76mm	L625*H55*W24mm	L615*W40~45mm	0.65±5%kg	
FH-GRB-W55-L10-S	12	4000K	12W	12x100° Polarized 30	φ 76mm	L1000*H55*W24mm	L990*W40~45mm	0.97±5%kg	
LWW-GRB-W70-L12-S	12	4000K	12W	12x100° Polarized 30	φ 108mm	L1190*H70*W28mm	L1180*W50~55mm	1.31±5%kg	

### B. Work Mode

- Always-on mode: 1) External power supply, low-voltage lamps connected in series  
 2). Built-in power supply, low-voltage lamps connected in series.

### C. Product Dimension Drawing / Unit: mm

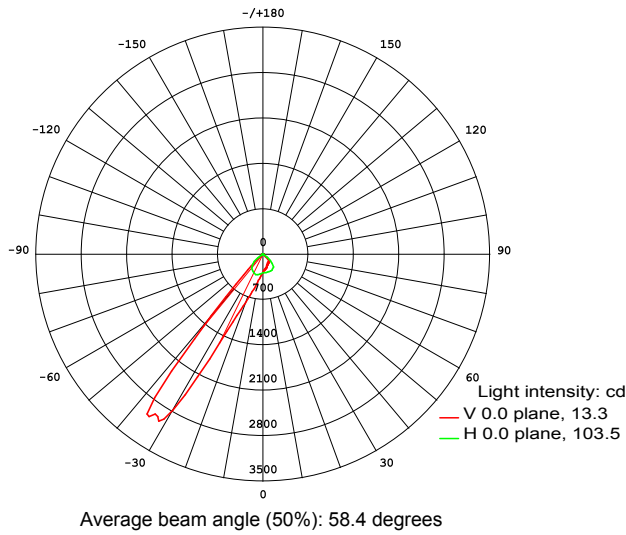


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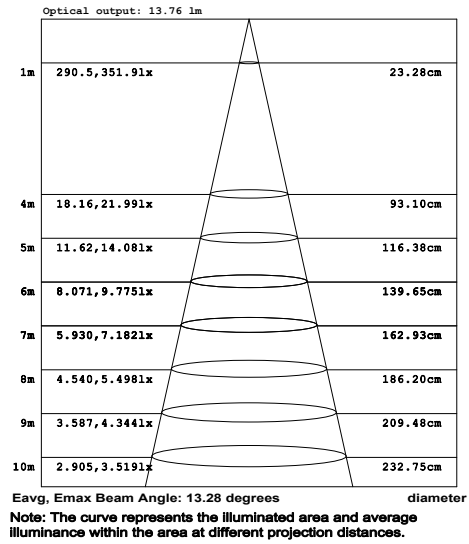
FH-GRB-W55/70

## D. Luminous efficacy parameters

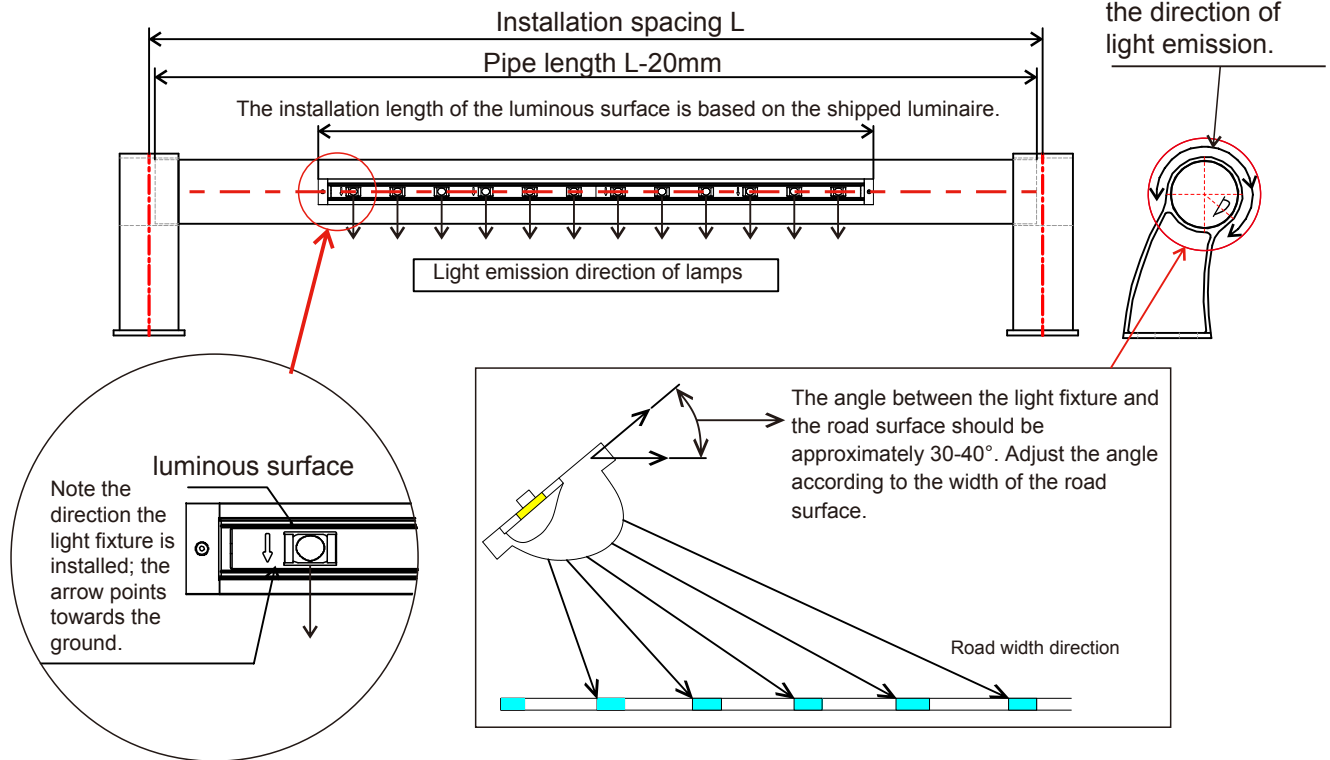
D-1. Distribution Curve



D-2. Illuminance Diagram



## E. Direction of light emission



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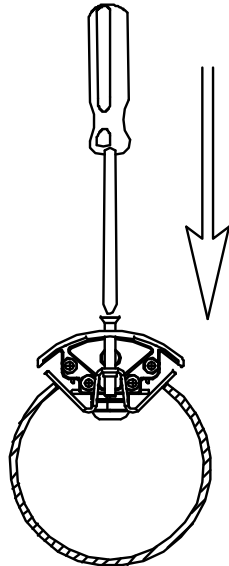
FH-GRB-W55/70

## F. Installation Method

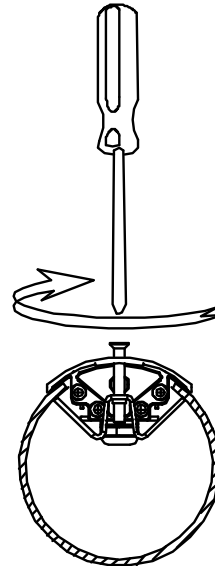
### F-1. Mounting Surface Description:

Step 1: First, install the screws and clips onto the end cap of the light fixture, screwing the clips in about 5mm; then place the light fixture and clips flat at the opening of the guardrail tube;

Step 2: Use a tool to tighten the screw head, push the clips into the guardrail tube, and rotate the screws to lock the light fixture.



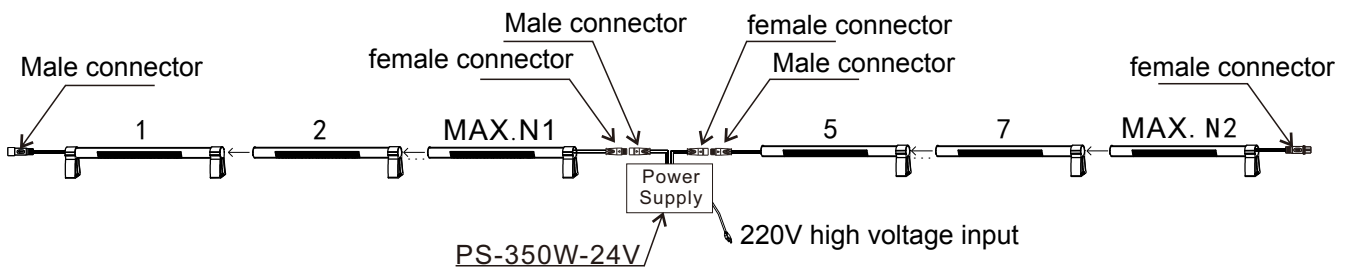
Step 1



Step 2

## G. Product Connection Diagram and Description

### G-1. Constant-on series mode



model	Voltage	Number of LED beads	power	MAX. N1	MAX. N2	✓
FH-GRB-W55-L12-S	24V DC	12	4W	36	36	
FH-GRB-W55-L6-S		6	4W	36	36	
FH-GRB-W55-L10-S		12	12W	12	12	
FH-GRB-W70-L12-S		12	12W	12	12	

### Notice:

1. Do not connect the power supply when installing or repairing the light fixture;
2. Please ensure that the light fixture is not obstructed by any object;
3. Do not use this product in an enclosed environment;
4. If the product malfunctions, do not disassemble the light fixture yourself; please return it to the retailer for repair.

### warn:

- \* Please tighten the light fixture connectors securely to prevent water ingress, which could cause product malfunction. Please waterproof unused connectors.