



Long Bar

Model# LS176

18x10W RGBW Ultra-bright LED Bar



The 18x10W RGBW Ultra-Bright LED Bar Light delivers powerful illumination with true RGBW color mixing and full pixel control, enabling stunning dynamic patterns for stage, architectural, event, and entertainment environments. The LS176 is equipped with eighteen high-output 10W LEDs, each built with 4-in-1 RGBW technology to produce deep saturated colors, smooth pastels, and accurate whites. Designed with a durable housing and multiple control modes, it is ideal for both portable event setups and long-term fixed installations.

TECHNICAL SPECIFICATIONS

Photometric Data

- **LED:** 18 LED, 10W 4-in-1 Ultra Bright LED
- **Color:** RGBW
- **Beam Angle:** 25°
- **LED Life:** Upto 50,000 hours (@25°C/77°F)

Controls

- **Protocol:** DMX512, Auto, Master/Slave
- **Dimming:** 0~100% Linear Dimming
- **Strobe:** 0-30Hz
- **Number of DMX Channel:** 4/11/26 Channel
- **Auto Program Built-In:** Yes
- **Display:** LED function menu w/ 4-button

Construction

- **Housing:** Aluminum Body
- **Body Color:** Black
- **IP Rating:** IP20 Compliant

Physical

- **Dimension:** 1000 x 74 x 151 mm
- **Weight:** 4.6kg

Electrical

- **Main Power Supply:** 110/240V-AC, 50/60Hz
- **Total Max. Power:** 180W-200W
- **Power Conn:** Neutrik powerCON IN/OUT
- **Data Conn:** Amphenol XLR 3p IN/OUT

Thermal

- **Cooling:** Natural Heat Dissipation
- **Min / Max Ambient :** 0°C / 40°C
- **Max Housing:** 66°C

Included Accessories

- **Power Cable**
- **DMX Cable (short, for daisy chaining)**
- **Mounting Bracket**

Certifications / Approvals

- UL, CE, RoHS, LVS, EMC, BIS, LM79

Ordering Options

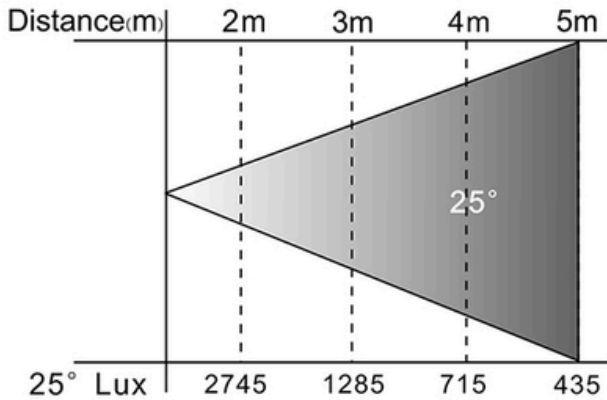
- **LED Power Options:** 10W, 12W, 15W
- **Beam Angle:** 25°, 60°
- **Color Options:** CW, WW, RGBW



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18LED 10W Each, RGBW Long Bar Light



BEAM ANGLE

Beam angle of a light fixture, specifically demonstrating a 25° beam angle, defining the spread of light output. As the distance increases, the light spreads out more, causing the intensity (Lux) to decrease.

The diagram visually represents how light disperses over distance at a fixed beam angle, leading to a reduction in light intensity (Lux) as the illuminated area expands.

Light Intensity (25° Beam Angle)

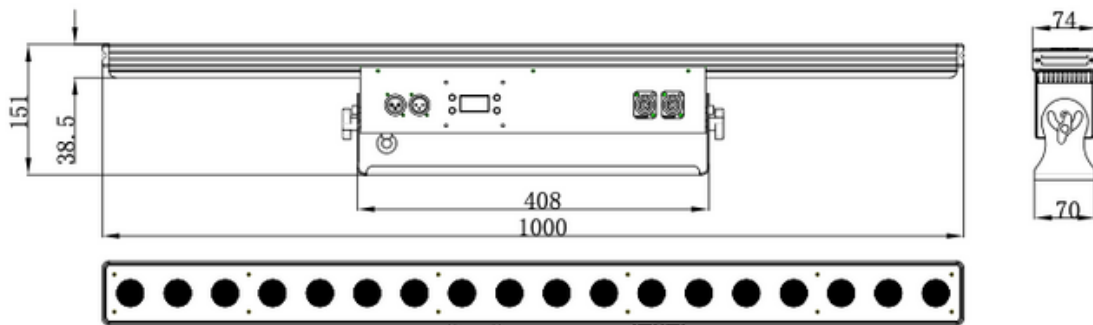
Distance (m)	Lux (25° Beam)
2	2745
3	1285
4	715
5	435

INTENSITY

The intensity (Lux) decreases as the distance from the light source increases, which is typical for light propagation.

This table illustrates the central illuminance at various distances for a light fixture with a 25° beam angle.

Mechanical Dimensions



ORDERING INFO

Power
10W = 180
12W = 220
15W = 300

Color (XY)
CW = 01
WW = 02
RGBW = 04

Option A
25° Lens = 1
60° Lens = 2

Option C
DMX = 0
DMX + RDM = 1

LS176 - - X Y - A O C
-POWER- -COLOR- -OPTION-