LS-LR-05

ADJUSTABLE SURFACE MOUNTED LED BAR SPECIFICATIONS

PREMIER CUSTOM LIGHTING & DECOR ★ EST. 1983

IP65 | c ETL us Intertek | 5 YEARS WARRANTY | IK06

DMX 512 | 50000 HOURS

Job Information	
Project Name	
Type	
Location	
Quantity	
Date	

DESCRIPTION

This durable and sleek linear fixture features a 44mm tempered glass for higher lumen output. Designed for top-mounted installation, it's ideal for highlighting walls, facades, and architectural surfaces.

Perfect for both ambient and accent lighting, it combines minimalist aesthetics with reliable performance—suitable for a variety of indoor and outdoor applications.

OVERVIEW

- Different options for lens
- 60W to 200W noise-free and flicker-free drivers, TRIAC/120V, DALI, or 1-10V/100-277V
- True color – 80 CRI, produces outstanding illumination
- RGBW option / color changing, RGWB control with DMX512

PERFORMANCE

MODEL NAME	LS-LR-05			LS-LR-05 (RGB)			LS-LR-05 (RGBW)		
POWER CONSUMPTION(±10%)	3 W	6 W	12 W	3 W	6 W	12 W	4 W	7 W	15 W
INPUT VOLTAGE	24 VDC			24 VDC			24 VDC		
LUMINOUS FLUX (±10%)	210 LM	420 LM	840 LM	50 LM	100 LM	200 LM	70 LM	150 LM	300 LM
EFFICACY(4000K RA80)	70 LM/W	70 LM/W	70 LM/W	17 LM/W	17 LM/W	17 LM/W	18 LM/W	21 LM/W	20 LM/W
LENGTH	300MM	500MM	1000MM	300MM	500MM	1000MM	300MM	500MM	1000MM
DIMMING	TRIAC/0-10V/DALI			DMX51/DMX512			DMX512		
CCT	2700K/3000K/4000K/5700K			RGB			RGB/RGBW(3000K/4000K)		
CRI	80			80			80		
BEAM ANGLE	106°			106°			106°		
BODY MATERIAL	DIE CASTING ALUMINUM			DIE CASTING ALUMINUM			DIE CASTING ALUMINUM		
FINISH	DARK GREY			DARK GREY			DARK GREY		
LENS OPTIONS	4MM TEMPERED GLASS			4MM TEMPERED GLASS			4MM TEMPERED GLASS		
POWER CORD LENGTH	0.5M RUBBER CABLE, UP TO 8M OPTIONAL 2*1.0mm²(ON/OFF, 0-10V, DALI) 2*1.0mm² +3*0.5mm²(DMX512)			0.5M RUBBER CABLE, UP TO 8M OPTIONAL 2*1.0mm²(ON/OFF, 0-10V, DALI) 2*1.0mm² +3*0.5mm²(DMX512)			0.5M RUBBER CABLE, UP TO 8M OPTIONAL 2*1.0mm²(ON/OFF, 0-10V, DALI) 2*1.0mm² +3*0.5mm²(DMX512)		
IP RATING	IP65			IP65			IP65		
IK RATING	IK06			IK06			IK06		
OPERATING TEMPERATURE	-20°C TO + 55°C(-4°F TO 131°F)			-20°C TO + 55°C(-4°F TO 131°F)			-20°C TO + 55°C(-4°F TO 131°F)		
LIFESPAN OF LED @TA=25°C	50000 HRS			50000 HRS			50000 HRS		
WARRANTY	5 YEARS			5 YEARS			5 YEARS		

PRODUCT ORDERING GUIDE

EXAMPLE: LS-LR-05-12W-10-106-2700-80-V-G-PC-800

SERIES	WATTAGE(W)	BEAM ANGLE	CCT	CRI	DIMMING	OPTIONS
LS-LR-05	3W-03 (300MM) 6W-05 (500MM) 12W-10 (1000MM)	106°	2700 3000 4000 5700	80	T: TRIAC V: 0-10V D: DALI	PC-X ①
LS-LR-05	3W-03 (300MM) 6W-05 (500MM) 12W-10 (1000MM)	106°	RGB	80	X: DMX51 X2: DMX512	PC-X ①
LS-LR-05	4W-03 (300MM) 7W-05 (500MM) 15W-10 (1000MM)	106°	RGBW3000 RGBW4000	80	X2: DMSX512	PC-X ①

NOTES:

① THE MAXIMUM OPTIONAL LENGTH OF CORD CAN BE UP TO 800CM. THE STANDARD LENGTH IS 50CM. SPECIFY THE OPTIONAL LENGTH IN CM IN PLACE OF "X."

FEATURES

▶▶ Optics

Cutting-edge optics ensure quality lighting. Tempered glass lens ensures high lumen output.

▶▶ Electrical

Voltage: 24 VDC

▶▶ Environment & Certifications

cETL listed for wet locations

▶▶ Warranty

5 years limited warranty

▶▶ Finish

The powder-coated finish ensures a uniform appearance, offering long-term durability and superior aesthetics.

▶▶ Housing Material

Die-cast aluminum housing ensures durability and efficiency, Heat tempered transparent glass lens provides higher efficiency.

▶▶ LED System

CRI   With an 80 color rendering index (CRI), this product delivers outstanding illumination, featuring tight chromatically specifications and a precise color binning process to ensure consistency in CRI and CCT.

CCT   Available in RGBW, or single CCT: 2700K, 3000K, 4000K, and 5700K, with excellent color consistency.

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DIMENSIONS (mm)

LS-LR-05-3W-03   L 300mm

LS-LR-05-6W-05   L 500mm

LS-LR-05-12W-10   L 1000mm

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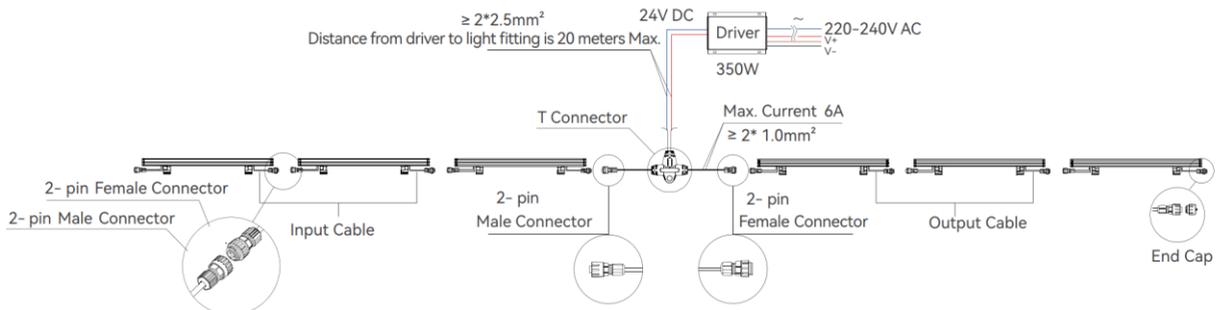
WIRING DIAGRAMS

ON/OFF (Single CCT)
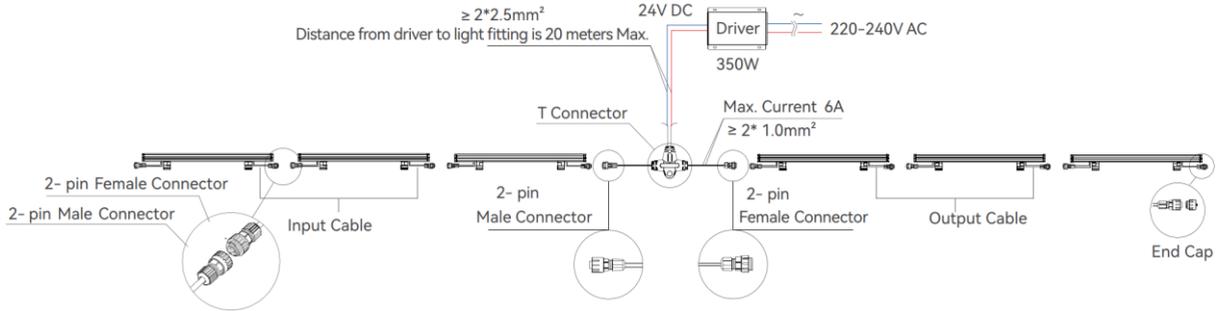
Remarks:
Driver is recommended to be installed in the middle of lights, the lights are on two sides, total length of each side is 10m Max. and total wattage of each side shall be less than 140W
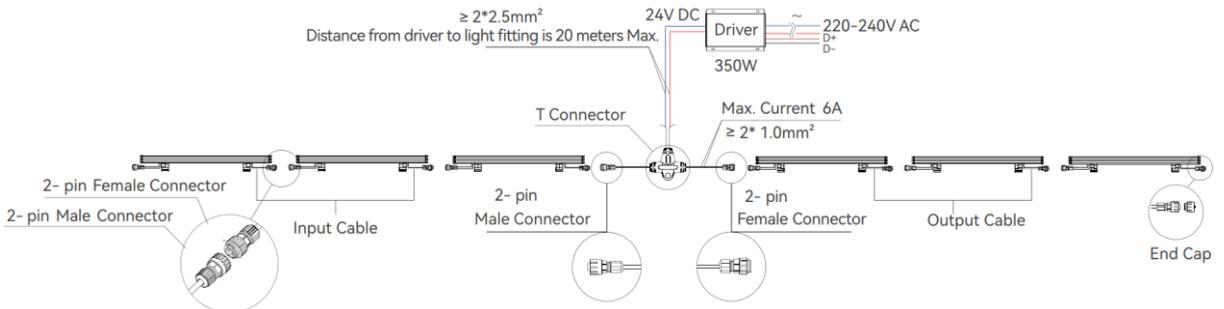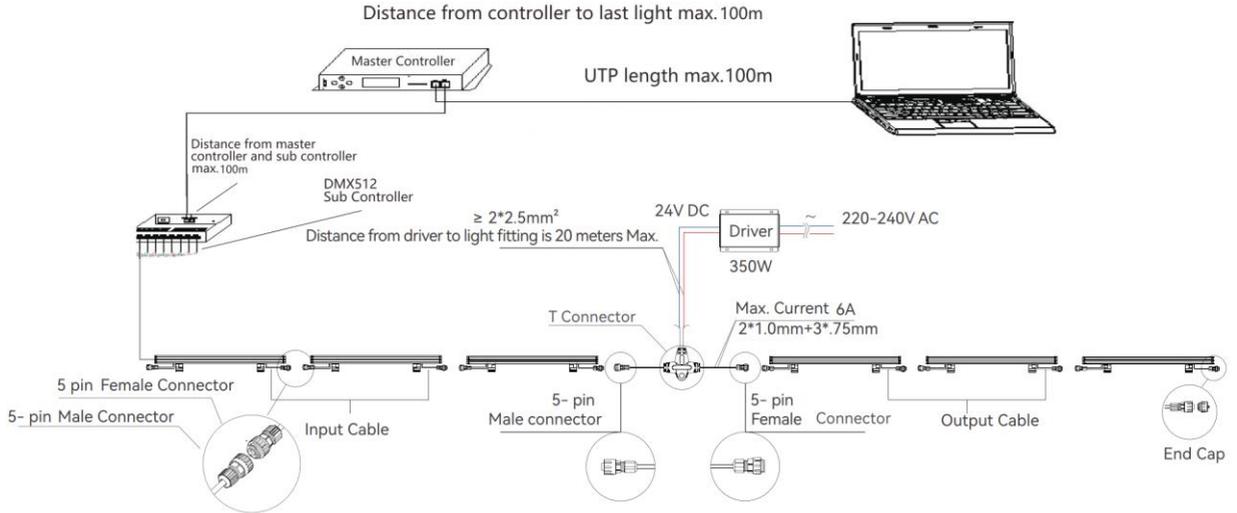
0-10V (Single CCT, DC24V)

Remarks:
Driver is recommended to be installed in the middle of lights, the lights are on two sides, total length of each side is 10m Max. and total wattage of each side shall be less than 140W

DALI (Single CCT, DC24V)

Remarks:
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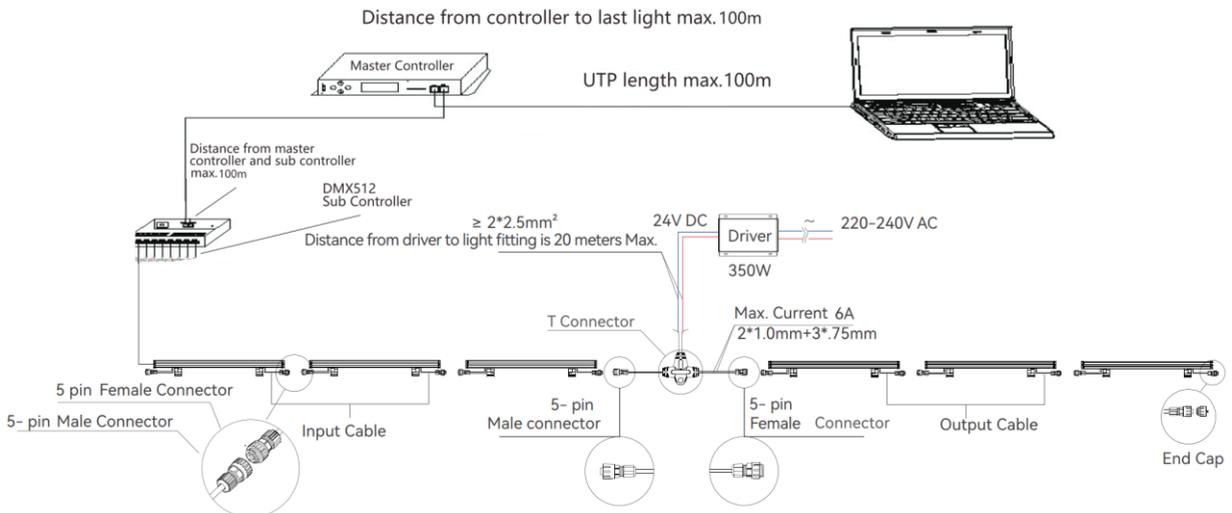
WIRING DIAGRAMS

DMX512 (Single CCT,DC24V)

Remarks:
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