



We Shape Architecture

Pixel light · K Series · K12

2022

Application

Low power consumption, high brightness. Support for a variety of customization including: pixel pitch, LED color (RGB, RGBW or Single Color). An integrated double-colored mold design, IP68 protection grade, UL94-V0 flame retardant grade, Class III electrical safety, ensure effectively the stability of the lamp in outdoor environment for all weather conditions. Flexible mounting performance for a variety of irregular structures, easy installation and maintenance. Cost-effective for large scale installation. (Glass curtain walls, large building Display, Decorations, 3D shapes, etc.)

Lighting Performance

Customizable for different LED options (RGB, RGBW, White, Dynamic White, Single Color). With two different versions: clear or diffused. Color resolution of 16 bits, effects are more stylish and smooth; Exceeding the DMX protocol with more capacity and flexibility by utilizing our proprietary.

Lighting Structure

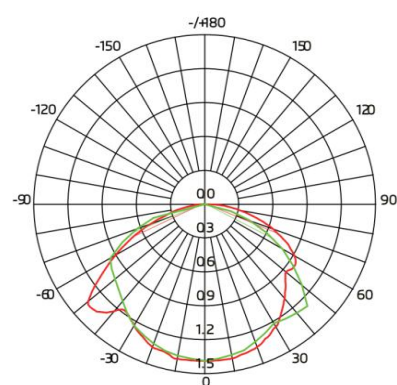
UV-resistant PC housing, Light-weight, Excellent anti shock ability, Long life and not easy to be aging or yellowing, can be mount on the building surface by bracket. The Steel wire and Aluminum Profile installation ensure reliable connections, while flexible and varied mounting options make it easy for installers to make LED fixture part of any structure.

Technical Specification:

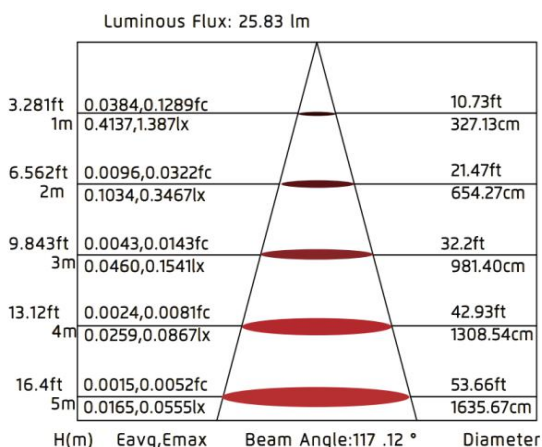
Model	K12-RGB	K12-RGBW	K12-W
Chip Brand	CREE/EPISTAR	CREE/EPISTAR	CREE/EPISTAR
LED Souorce	12 SMD RGB	12 SMD RGBW	12 SMD White
Grey Scale	65536	65536	65536
Beam Angle	120°	120°	120°
Housing	PC	PC	PC
Housing Color	Black/Customized	Black/Customized	Black/Customized
Bracket	PC	PC	PC
Cover	Transparent PC	Transparent PC	Transparent PC
Weight	30g	30g	30g
Certification	ETL、CE、ROHS	ETL、CE、ROHS	ETL、CE、ROHS
Operating Voltage	DC24V	DC24V	DC24V
Power Consumption	2.88W	2.88W	2.88W
Ingress Protection	IP68	IP68	IP68
Fire Protection Rating	UL94-V0	UL94-V0	UL94-V0
Operating Temperature	—35~60℃	—35~60℃	—35~60℃
Storage Temperature	—40~70℃	—40~70℃	—40~70℃
Lifespan	≥80000h	≥80000h	≥80000h
Control	DMX512	DMX512	ON-OFF or DMX512

※ Specification is subject to changes without prior notice for product improvement

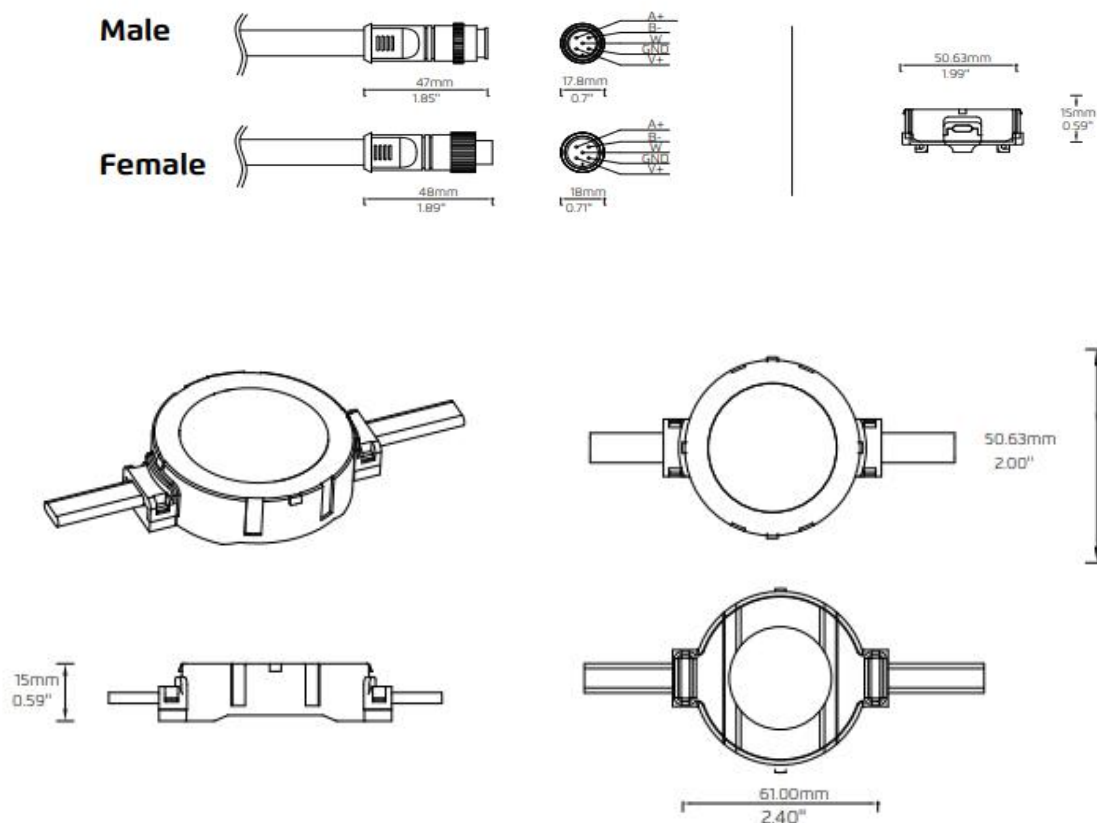
Optical Parameters:



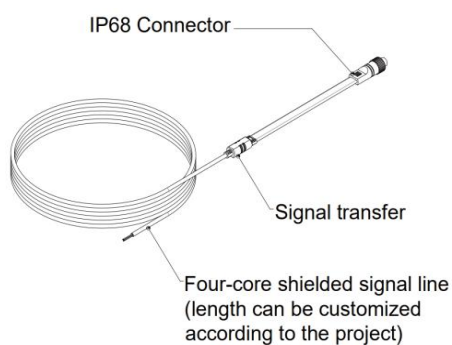
Lumination Icon (RGB)



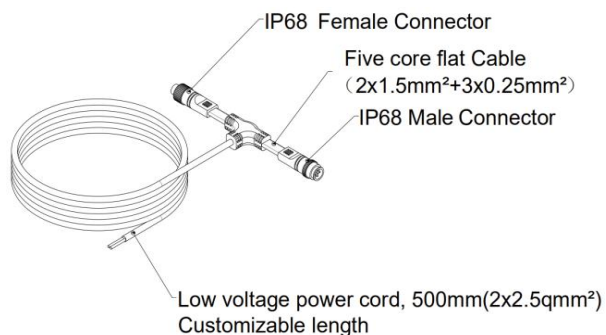
Product Structure Drawing (mm)



Installation Accessories 1

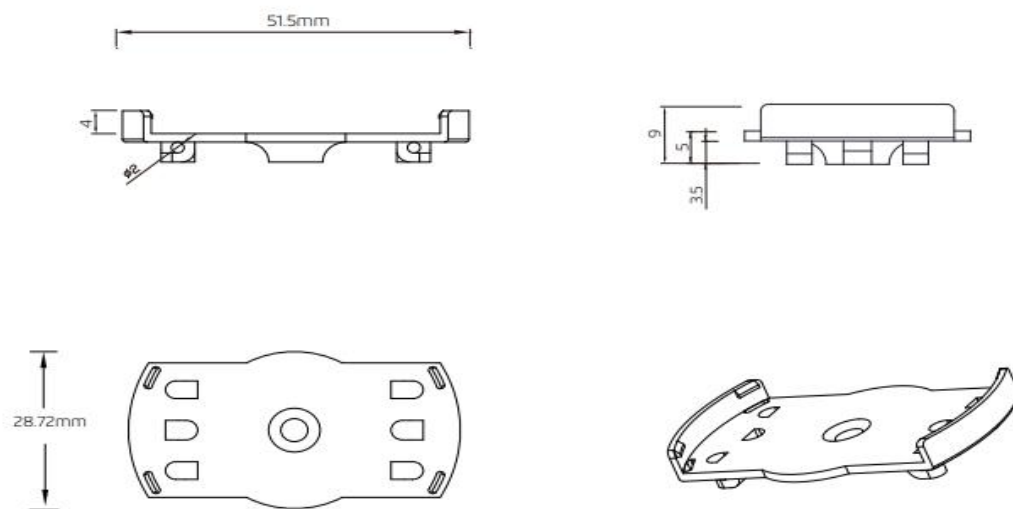


Signal Adapter



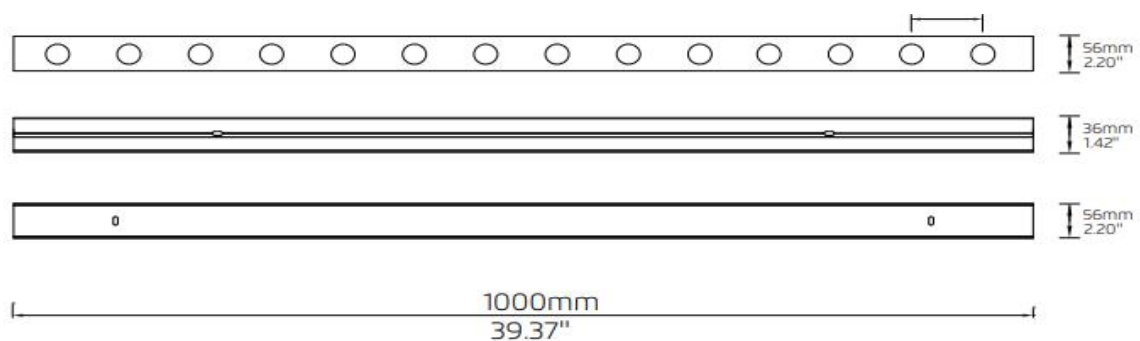
Power T Connector

Installation Accessories 2



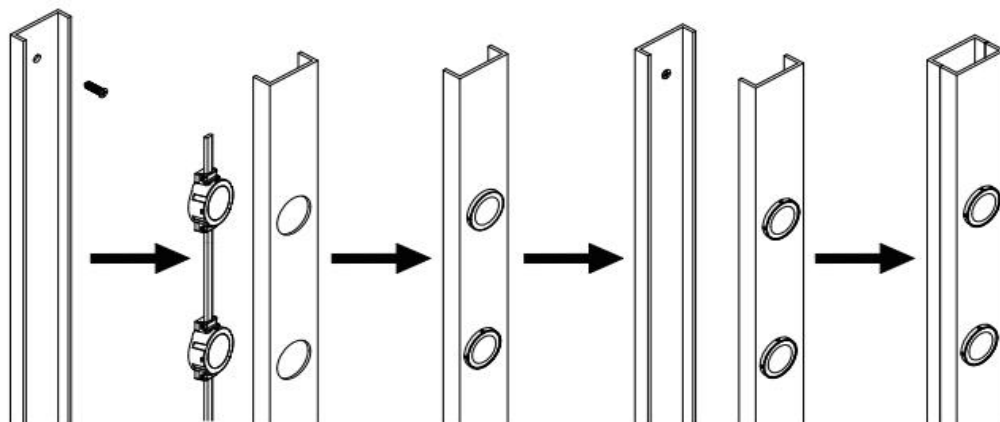
1. Aluminum Profile

Hole spacing can be customized

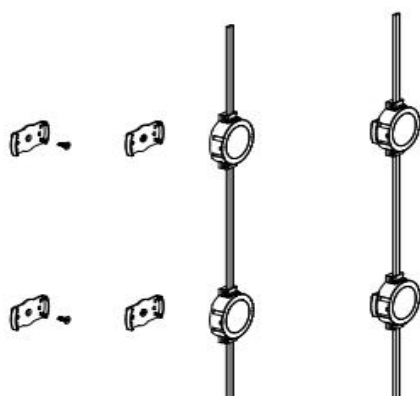


Installation Method

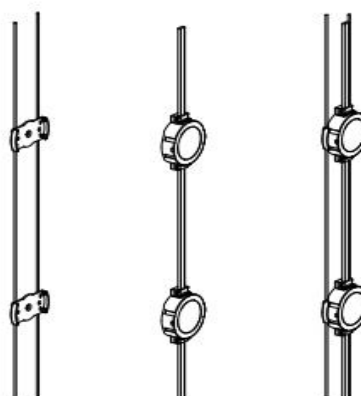
1. Aluminum Profile



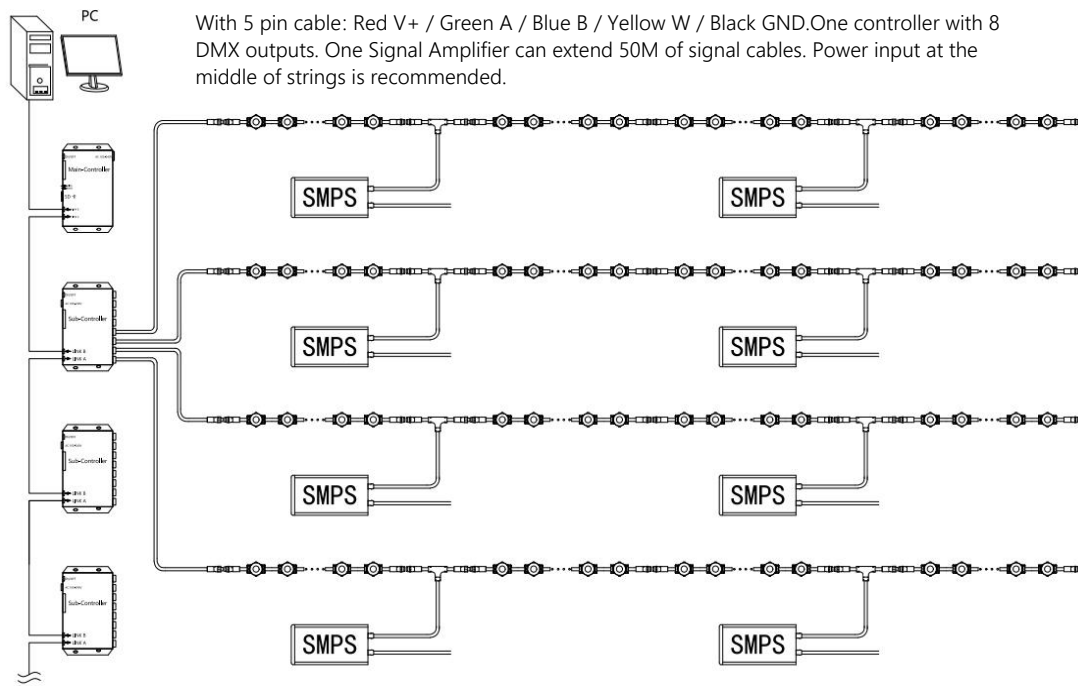
2. Mounting Clip



3. Steel Wire



Control System Diagram



✘ The actual system diagram may subject to change from the above example.

Project Cases

