EXC-P85GM LED Pixel Light



Crystal lens

Application Environment:
Indoor
Outdoor

Description

EXC-P85GM series are a string LED pixel light with extruded aluminum alloy housing, which are designed for outdoor landscape lighting by EXC-LED. Each EXC-P85GM pixel is a separate lighting pixel, and each pixel can realize 8bit/16bit grades gray scale changing. They can be used for indoor and outdoor applications, Customized pixel pitch, and easy installation.

Features

- The newest generation technology: DMX512 parallel bus design
- Clip on-off style connection and anti-pull connection without connector design
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- High thermal conductivity transformer and full-sealed filling waterproof method by German imported glue
- Outdoor lighting protection and electrostatic discharge (ESD) protection design
- The product fixtures withstand the sea salt and harsh environment
- Anti- UV
- High Resistance of Salt Spray

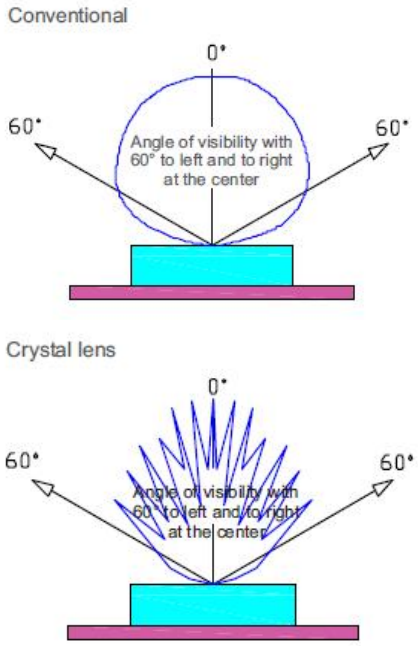
Basic Specifications

Color	W(2200K-6500K), RGB, RGB+W, RGBW, etc...
Working Voltage	DC24V
Max. Power Consumption	3W/4W/5W
Light Source	12/18/24pcs SMD LEDs
CRI	80
Control	DMX512, ON/OFF
Grey Scale	8bit, 16bit
Source Life	50,000h
RDM	Optional

LED chip Brand	Optional(Cree, OSRAM, Lumileds, Epistar, etc...)
Cover	PC(Transparent, Opal, Crystal)
Housing	High strength extruded aluminum（others:PC+ABS）
Weight	250g
Dimensions	105mm x 105mm x 62.5mm (L x W x H, exclude Mounting Bracket)
Installation	Installation with screws or adhesive
Working Temperature	-40°C to 60°C
Storage Temperature	-40°C to 70°C
Protection Rating	IP66
Luminous Flux	25LM/W(RGB), 50LM/W(White), 30LM/W(RGBW)
Central Light Intensity	54/81cd(W), 30cd(RGB), 38cd(RGBW)
Beam Angle	≥110°

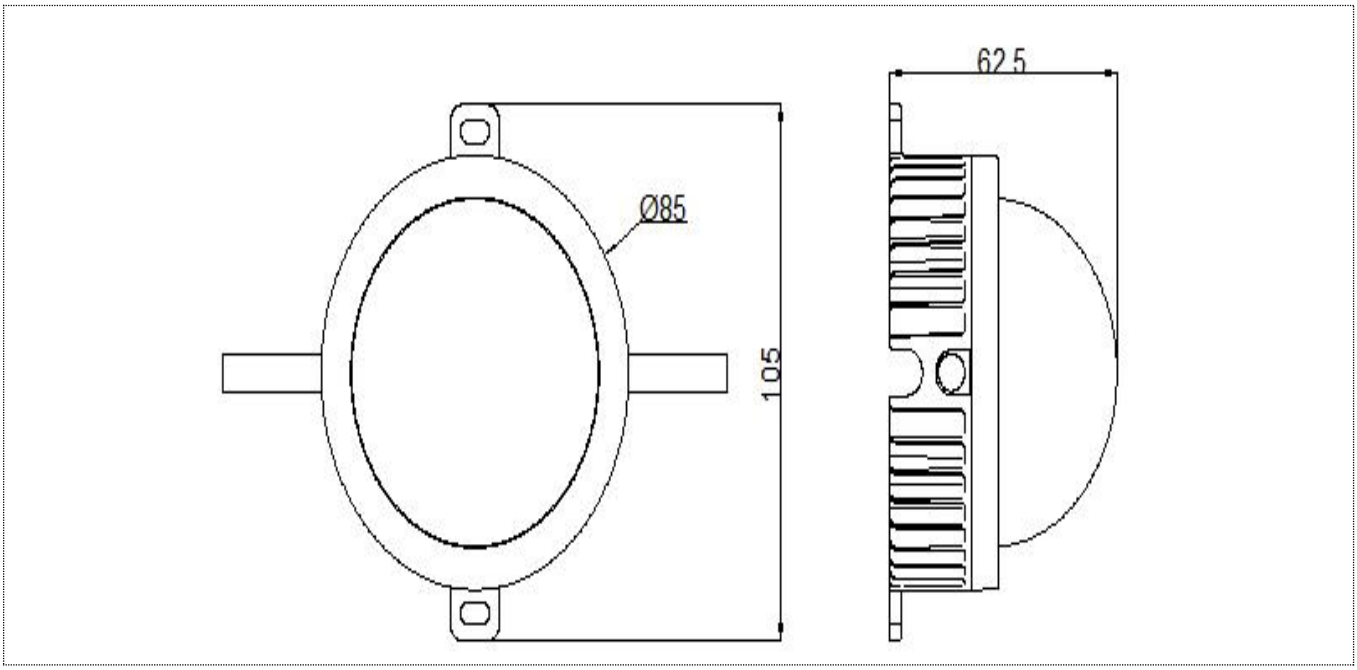
Light Intensity Distribution

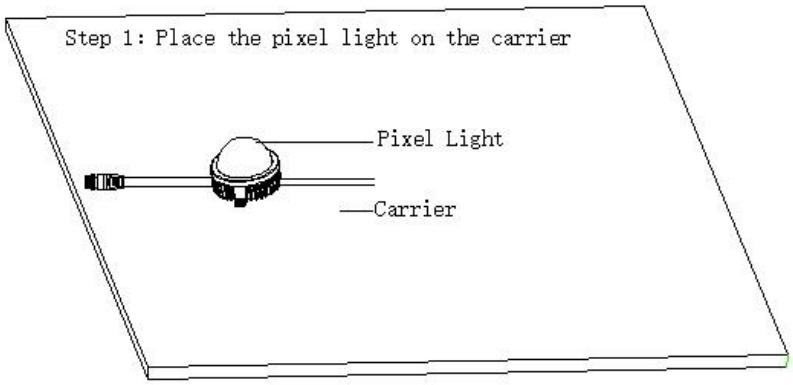
Light Intensity Chart

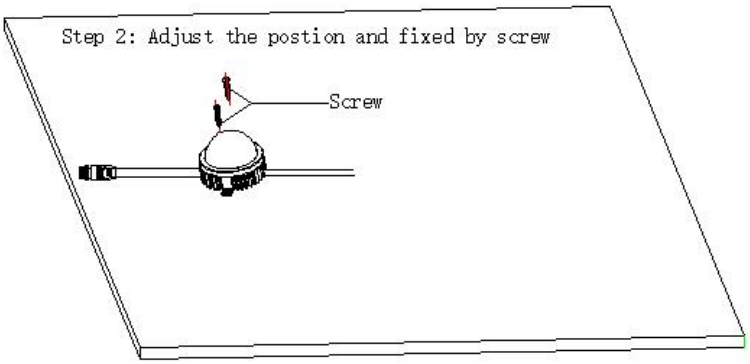


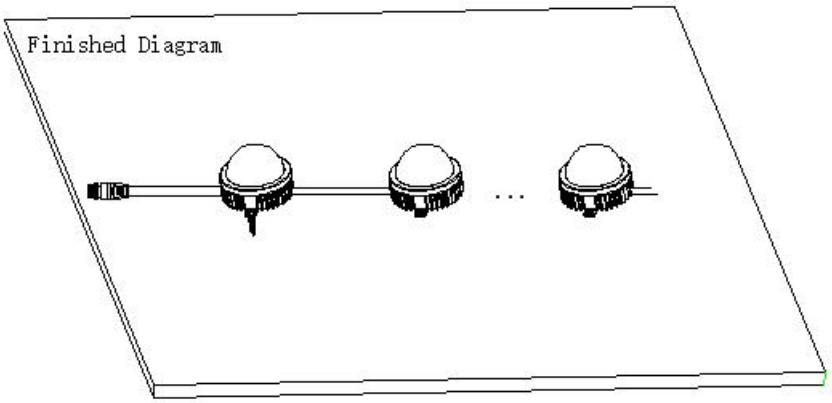
Physical Dimension

Unit：mm


62.5
Ø85
105


Step 1: Place the pixel light on the carrier
Pixel Light
Carrier


Step 2: Adjust the postion and fixed by screw
Screw


Finished Diagram

System connection diagram:

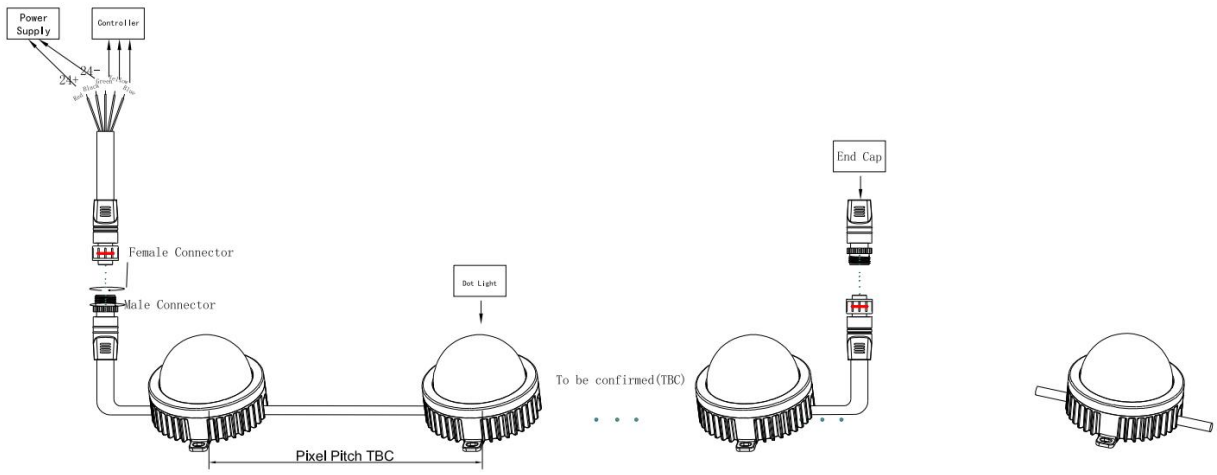
1,Host controller should connect with slave controller. Working voltage for controllers are AC220V.

2,On-line main controller should connect with slave controller, on-line main controller and sub controller working voltage are AC220V.

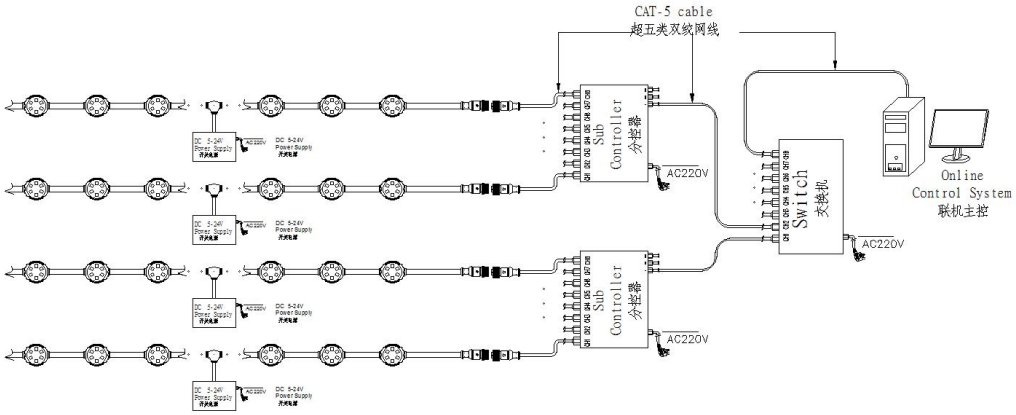
3,each sub-controller with 8 ports, with each port 512 pixels, supporting data converter, supports 100 meters ultra-long haul transmission.

4,The CAT-5 e. cable distance should be within 100 meters between host controller and slave controller, between slave controllers and switch, etc.

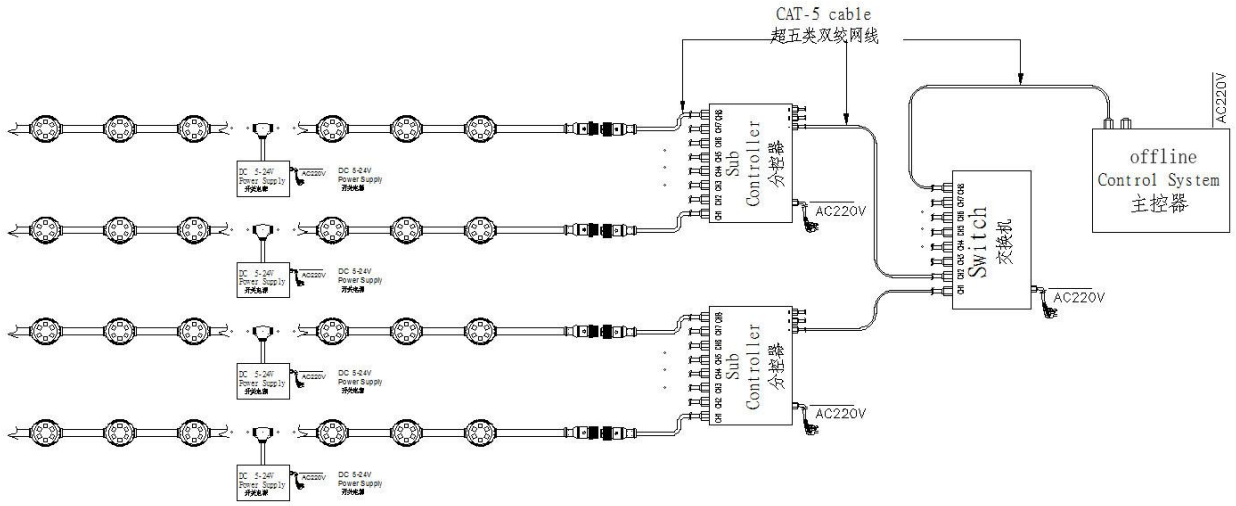
Basic System Diagram



Online Controlling System Diagram

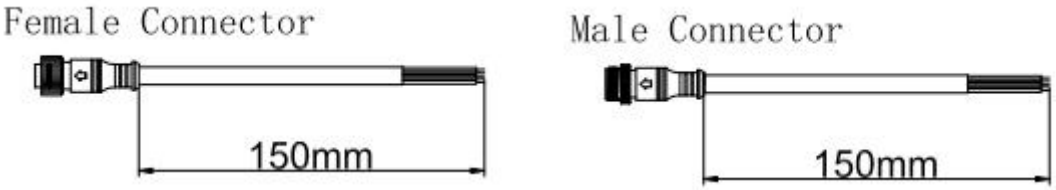


Offline Controlling System Diagram

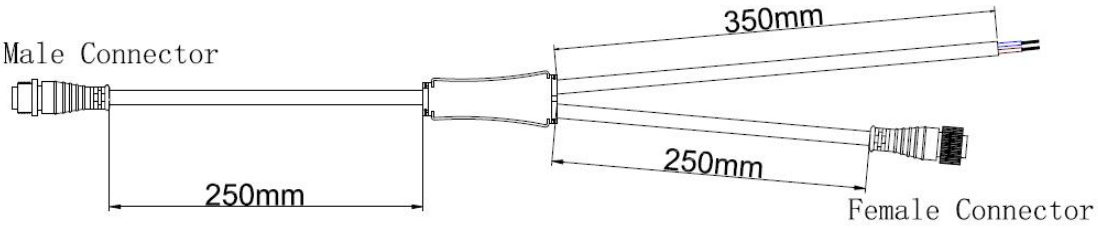


Accessories :

1: Female and Male Connector(Connect to first dot light for signal transmission)



2: Y Shape Connector(For power Distribution)



3: Interconnection Cable(1.3M,3M,5M is standard length)



4: End Cap

