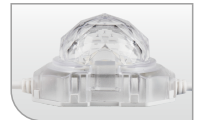


# PX1E

i-Pixel Series Pixel Lamp

i-Pixel Series PX1E



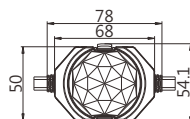
## ICON



## Features:

- Small size single pixel LED lamp, suitable for forming high pixel density LED pixel lamp array, usually used in building media, large-scale urban landscape and urban lighting.
- Polymer silicone material as a whole sealing waterproof anti-static, protection levels are up to IP 66.
- PC case, high light transmittance, face mask color can be customized.
- The maximum serial number of power supply 50 PCS (within 30 meters) , signal serial transmission distance of 100 meters.
- DC24V power supply, ensure feed, effective signal transmission, low line loss.
- Constant current drive, built-in PWM grayscale control, grayscale level 256/665536.

## Dimension Details: Unit:mm

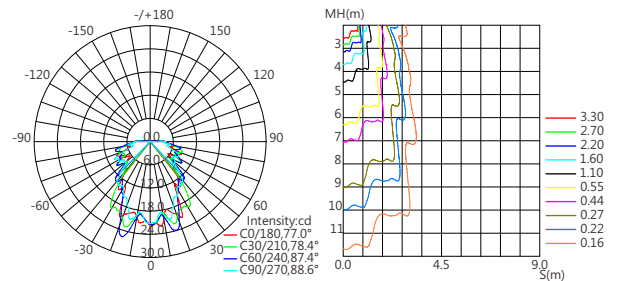


## Photometry:

- Lamp Source: SMD 3535+SMD 2835
- Beam Angle ( 50% ) : 80°

Average Beam Angle (50%):82.8°degree

Isolux Curve ( lx )



Note: Test data is based on PX1E-W0068-0009XTX-00 only.

## Beam Angle Curve:

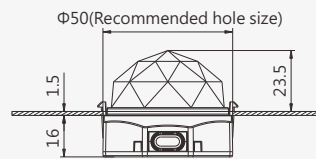


## Technical Specification:

| LED Type                  |                                                                                     | CREE / OSRAM / LUMILEDS SMD                                                         |  |
|---------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|
| LED Quantity              | 12 pcs                                                                              | 9 pcs                                                                               |  |
| Power Rating(MAX, ±10%)   | 2.9 <sub>(monochrome)</sub> /3.3 <sub>(RGB)</sub> /3.1 <sub>(RGB+W)</sub> W         | 3.6 <sub>(monochrome)</sub> /3.3 <sub>(RGB)</sub> /3.4 <sub>(RGB+W)</sub> W         |  |
| Luminous Flux             | 95 lm@3000K                                                                         | 157 lm@3000K                                                                        |  |
| Luminous Efficacy         | 33 lm/W                                                                             | 44 lm/W                                                                             |  |
| Grayscale Level           | 8bit*4 <sub>(256*256*256*256)</sub><br>16bit*4 <sub>(65536*65536*65536*65536)</sub> | 8bit*4 <sub>(256*256*256*256)</sub><br>16bit*4 <sub>(65536*65536*65536*65536)</sub> |  |
| Viewing Angle             | ≥80°                                                                                |                                                                                     |  |
| Input Voltage             | DC24V                                                                               |                                                                                     |  |
| Environment al Conditions | -40°C~50°C(Temperature) / 10%~95%RH(Humidity)                                       |                                                                                     |  |
| Material (Housing)        | PC housing                                                                          |                                                                                     |  |
| Cable Type                | Signal/power supply: Outdoor Special Rubber Sheath Wire                             |                                                                                     |  |
| Specification Size        | 68*54.1*41mm                                                                        |                                                                                     |  |
| Weight                    | 120g                                                                                |                                                                                     |  |
| Number of Pixel Dots      | 1                                                                                   |                                                                                     |  |
| Control Type              | DMX512                                                                              |                                                                                     |  |
| IP Rating                 | IP 66                                                                               |                                                                                     |  |
| Life Span                 | ≥50000 Hours                                                                        |                                                                                     |  |
| Application               | Outdoor                                                                             |                                                                                     |  |
| Light source color        |                                                                                     | Luminous flux                                                                       |  |
| 6500K                     | 126 lm Ra 80                                                                        | 174 lm Ra 80                                                                        |  |
| 5700K                     | 126 lm Ra 80                                                                        | 170 lm Ra 80                                                                        |  |
| 5000K                     | 118 lm Ra 80                                                                        | 162 lm Ra 80                                                                        |  |
| 4000K                     | 118 lm Ra 80                                                                        | 160 lm Ra 80                                                                        |  |
| 3000K                     | 95 lm Ra 80                                                                         | 157 lm Ra 80                                                                        |  |
| 2700K                     | 92 lm Ra 80                                                                         | 145 lm Ra 80                                                                        |  |
| 2200K                     | 84 lm -                                                                             | 125 lm -                                                                            |  |
| Red                       | 26 lm                                                                               | 54 lm                                                                               |  |
| Green                     | 76 lm                                                                               | 175 lm                                                                              |  |
| Blue                      | 26 lm                                                                               | 60 lm                                                                               |  |
| RGB                       | 64 lm                                                                               | 80 lm                                                                               |  |
| RGB+W                     | 90 lm ( 6pcs 3535+3pcs 2835 )                                                       | 125 lm ( 6pcs 3535+6pcs 2835 )                                                      |  |

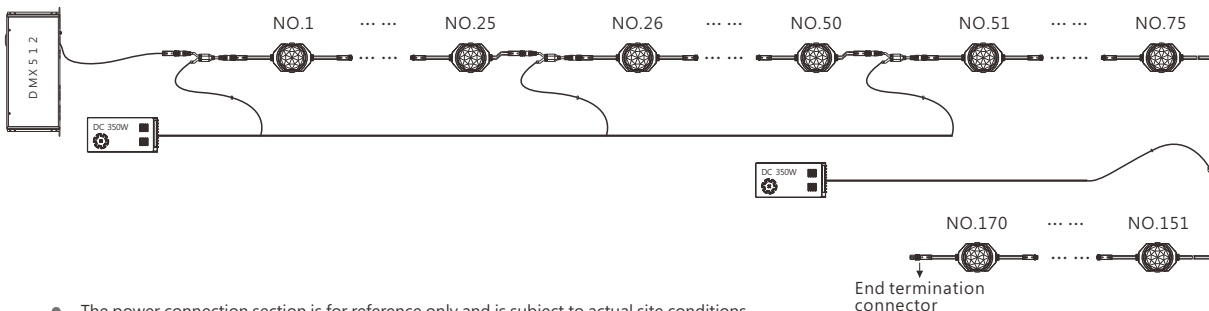
## Installation Details:

Unit:mm



## System Schematic Diagram:

Note: The lighting fixtures are 12 light RGB+W (125mm point spacing) , one pixel per luminaire.



- The power connection section is for reference only and is subject to actual site conditions.
- Product specifications are updated, if you need, please contact us!

IP1-07-11-24-V4