

PIXEL MODULE SERIES | WHITE SIGNAGE

The SMXW is a compact, high-performance white-only LED module for signage, light boxes, and shallow illuminated surfaces. Its integrated lens ensures consistent light diffusion, even in tight or low-profile applications.

With IP68 protection, UV-resistant housing, and simple on/off operation via PWM control, the SMXW delivers clean, uniform white output and reliable outdoor performance.

Modules can be individually cut, mounted with adhesive or screws, and are ideal for depth-critical installations from 10-25cm.



At a glance

Emitters

White
(W = 2200K, 2700K, 3000K, 4000K, 6000K, 7000K)

SMX Run

Controls

Wattage

White (12W/pc)

Protection

Ingress - IP68

Temperature

-20°C to 60°C
-4°F to 140°F

Optics

Dimensions

FIXTURE PRODUCT CONFIGURATOR

| Prefix | Model | LED String Qty | LED Colour | White CCT | Control |
|--------|-----------|---|--------------------------|--|---------|
| SMX | W - White | 1 2 3 4 5 6 ... 75 | White - (2800K - 12000k) | 28K - 2800K 32K - 3200K 47K - 4700K 60K - 6000K 74K - 7400K 90K - 9000K 10k - 10000k 12k - 12000k | P - PWM |

EXAMPLE: SMX - 5 - RGBW - 27K - D

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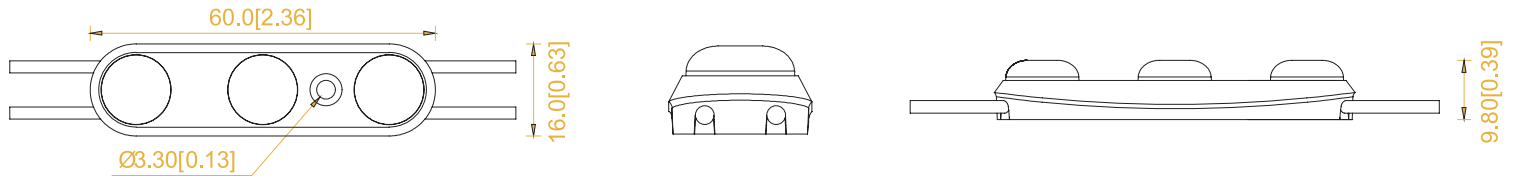
FIXTURE SPECIFICATIONS

| | | |
|--|--|--|
| ELECTRICAL | POWER CONSUMPTION OPERATING VOLTAGE OPERATING TEMPERATURE STORAGE TEMPERATURE | White (1.2W/PC) 24V DC -20°C TO 60°C (-4°F TO 140°F) -20°C TO 70°C (-4°F TO 158°F) |
| PHYSICAL | STANDARD FIXTURE DIMENSIONS LED QTY/PCS CRI IP RATING MOUNTING OPTIONS MAX RUN (PCS) SPACING | L: 60MM – W: 16MM – H: 9.8MM 3 LEDS 80+ IP68 ADHESIVE TAPE, SCREWS 75PCS 203MM (CENTRE TO CENTRE) |
| OPTICAL | BEAM ANGLE COLOUR RANGE LUMINOUS FLUX (LM(PC)) LED TYPE | 180° WHITE (2800K, 3200K, 4700K, 6000K, 7400K, 9000K, 10000K, 12000K) 110LM/PC SMD LEDS |
| DIMING & CONTROL | CONTROL PROTOCOLS | PWM ON/OFF |
| FIXTURE RATING & CERTIFICATIONS | CE / IP68 |   |
| LIMITED WARRANTY | 5 YEARS <small>*Extendable warranty available</small> |  |

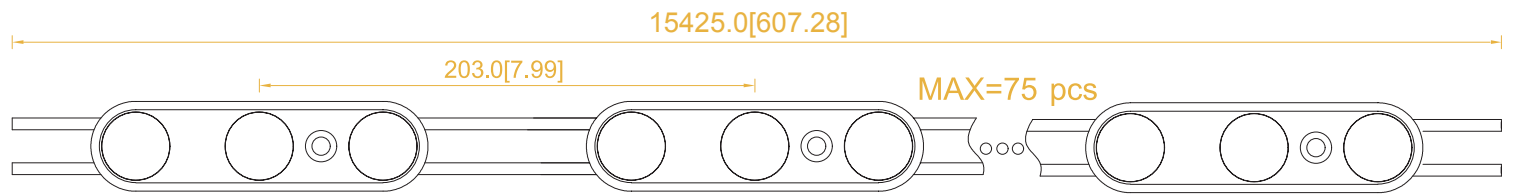
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FIXTURE DIMENSIONS

SIGNAGE WHITE MODULE DIMENSIONS



SIGNAGE WHITE MODULE MAX RUN



Note:
Dimensions tolerance: ± 0.2 mm length, height and width

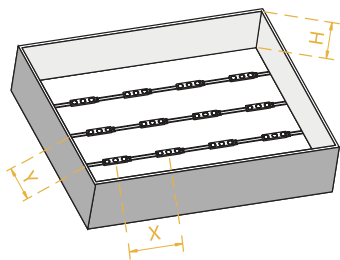
INSTALLATION REFERENCE

SIGNAGE MODULE INSTALLATION

| Model No. | Surface Material | Depth(H)cm | Illumination(lux) | Evenness | Density (pcs/m ²) | Spacing (X*Y)cm | Watt Density (W/m) | Visual Effects |
|-----------|------------------|------------|-------------------|----------|-------------------------------|-----------------|--------------------|----------------|
| SMXW | White Soft Film | 5 | 13300-15640 | 0.85 | 12*12 | 8*8 | 173 | OK |
| | | 6 | 8220-9670 | 0.85 | 10*10 | 10*10 | 120 | |
| | | 8 | 4830-5780 | 0.84 | 8*8 | 12*12 | 77 | |
| | | 10 | 3640-4260 | 0.85 | 7*8 | 14*12 | 67 | |
| | | 12 | 3110-3480 | 0.89 | 7*8 | 14*12 | 67 | |
| | | 15 | 2360-2590 | 0.91 | 7*8 | 14*12 | 67 | |
| | | 18 | 1960-2120 | 0.92 | 7*8 | 14*12 | 67 | |

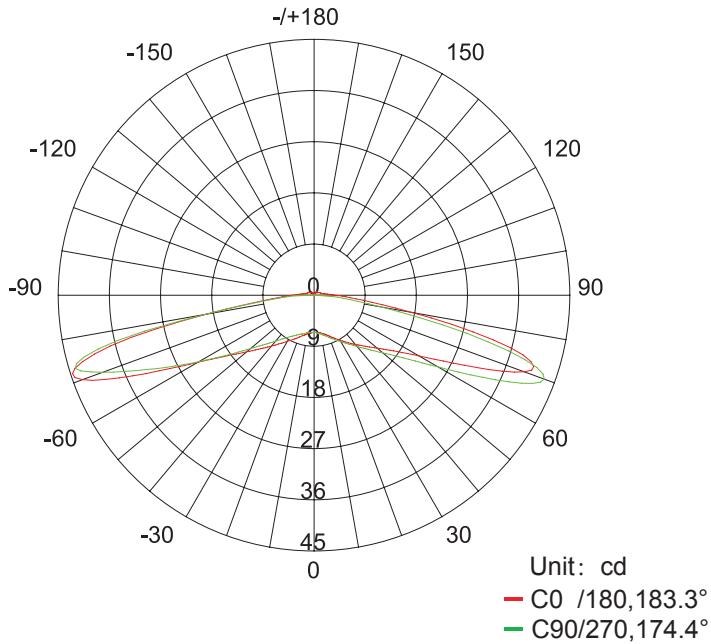
Note:

1. X indicates the horizontal center spacing between modules;
2. Y indicates the longitudinal center spacing between modules;
3. Single LED modules are arranged in a square, X= Y.
4. When the depth of light box H>18cm, use more products to satisfy Illumination demand
5. Please contact the sales for other data.
6. Customised wire length available.
7. The above data is for common demand , you can increase the density for actual demand.



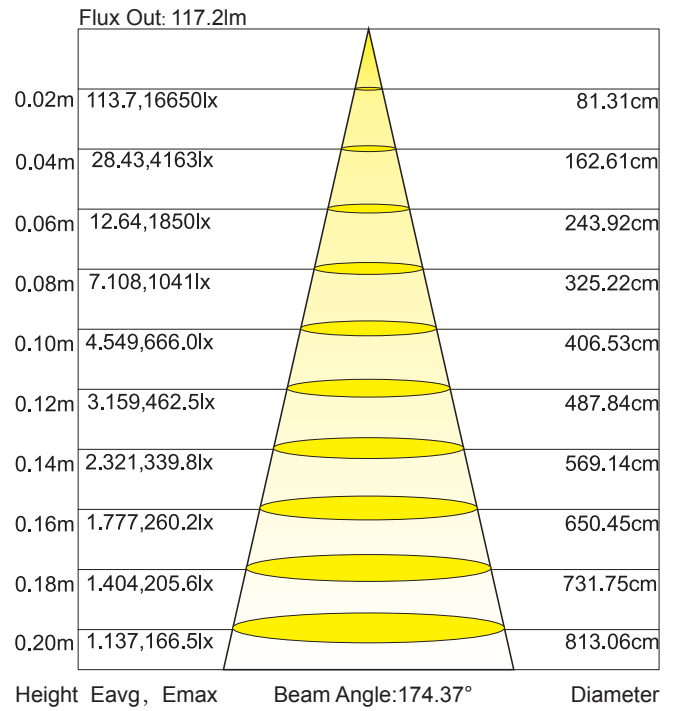
FIXTURES LUMINOUS CHARACTERISTICS

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%): 178.8°

AVERAGE BEAM ANGLE



WIRING CONSIDERATIONS

TYPICAL SYSTEM WIRING DIAGRAM

