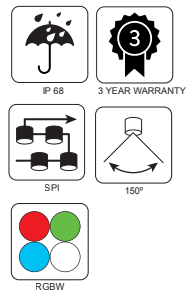


SMX | PIXEL MODULE SERIES

The SMX is a compact, high-performance RGBW pixel 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 compaibility with LED CTRL controllers (MX96PRO, PX24, SX), SMX delivers dynamic pixel-level control and reliable outdoor performance.

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



PART NUMBER CONFIGURATION

Prefix	LED String Qty	LED Colour	WhiteCCT	Control
SMX	1	RGBW	22K – 2200K	S – SPI
	2	DW – Dynamic White	27K – 2700K	
	3	(2500K-12000K)	30K – 3000K	
	...	W – White (2200K-	40K – 4000K	
	30	7000K)	60K – 6000K 70K – 7000K	

Example: SMX – 6 – RGBW – 27K – S

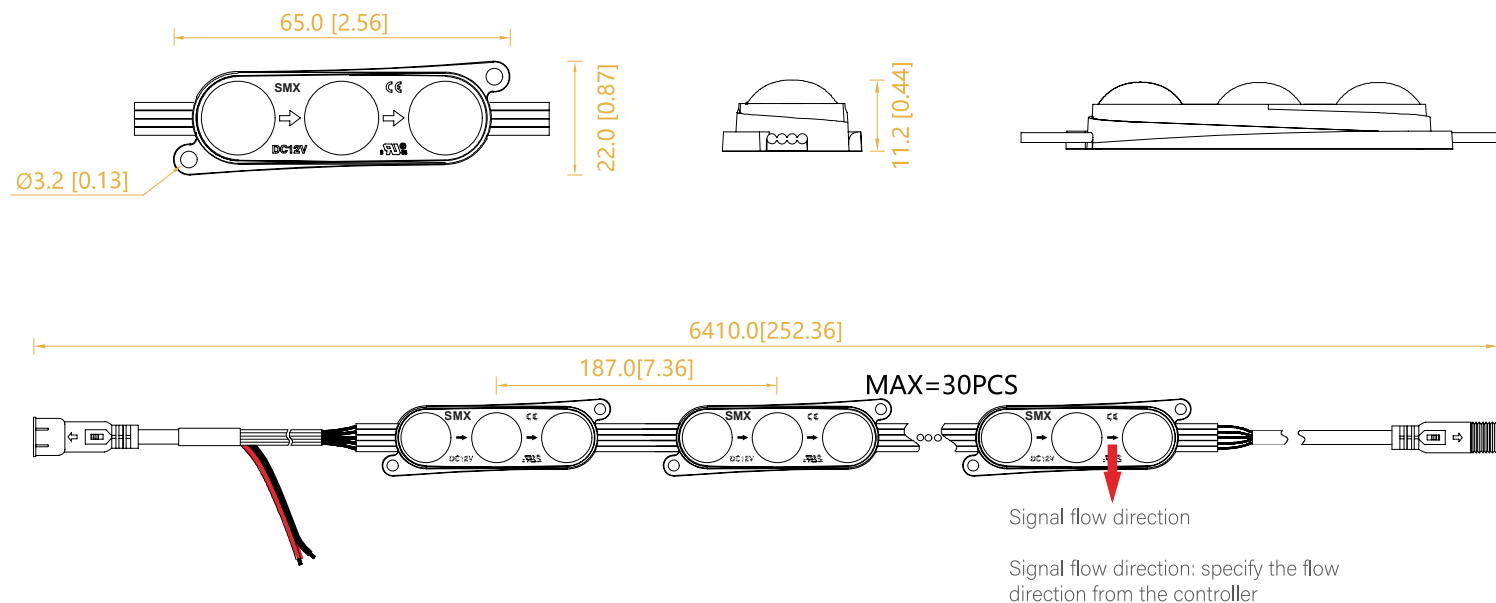
SPECIFICATIONS

Electrical	Power Consumption Operating Voltage Operating Temperature Storage Temperature	RGBW (0.8W/pcs) 12V -20°C TO 60°C – (-4°F TO 140°F) -20°C TO 70°C – (-4°F TP 158°F)
Physical	Dimensions LED Qty/pcs CRI IP Rating Mounting Options Max Run (pcs) Spacing	65mm (L) x 22mm (W) x 11.2mm (H) 3 LEDs 80+ IP68 Adhesive tape, Screws 30pcs 187mm (centre to centre)
Optical	Beam Angle Colour Range Luminous Flux (lm/pcs) LED Type	150° RGBW, Dynamic White (2500K – 12000K), White (2200K – 7000K) RGBW (19lm/pc) SMD 5050
Diming & Control	Dimming Protocols	SPI
Fixture Rating & Certifications	CE	
Limited Warranty	3 Years	Extendable Warranty Available

SMX | PIXEL MODULE SERIES

DIMENSIONS & CHARACTERISTICS

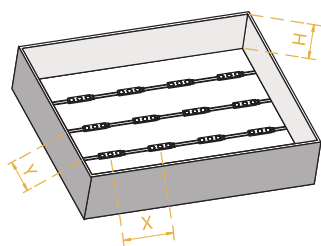
DIMENSIONS



Installation Reference

Model No.	Surface Material	Depth(H)cm	Illumination(lux)	Evenness	Density (pcs/m ²)	Spacing (X*Y)cm	Watt Density (W/m)	Visual Effects
SMX	White Soft Film	10	1287-1538	0.84	10*10	10*10	100	OK
		12	712-838	0.85	7*8	14*12	56	
		15	578-672	0.86	6*6	16*16	36	
		18	443-502	0.88	5*5	20*18	25	

Note:

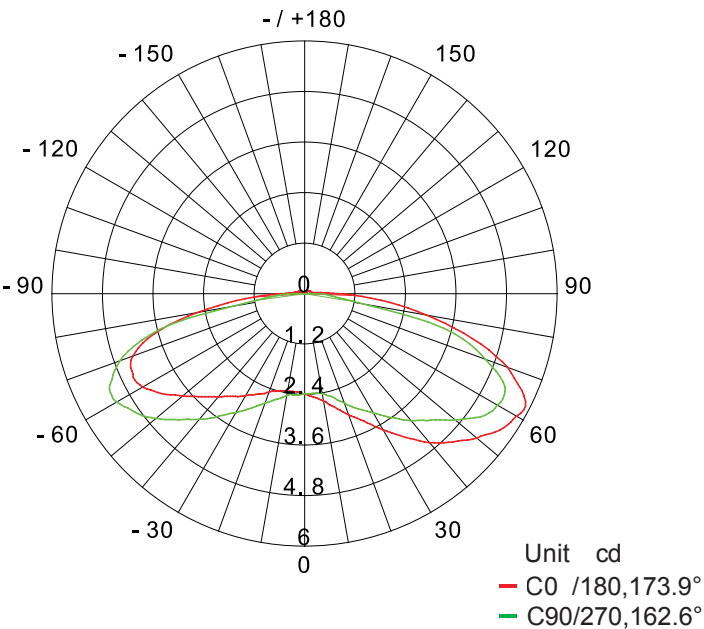


1. X indicates the horizontal center spacing between modules;
2. Y indicates the longitudinal center spacing between modules;
3. Single LED modules are arranged in a square, X=Y.
4. When the depth of light box H>18cm, use more products to satisfy Illumination demand
5. Please contact the sales for other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

SMX | PIXEL MODULE SERIES

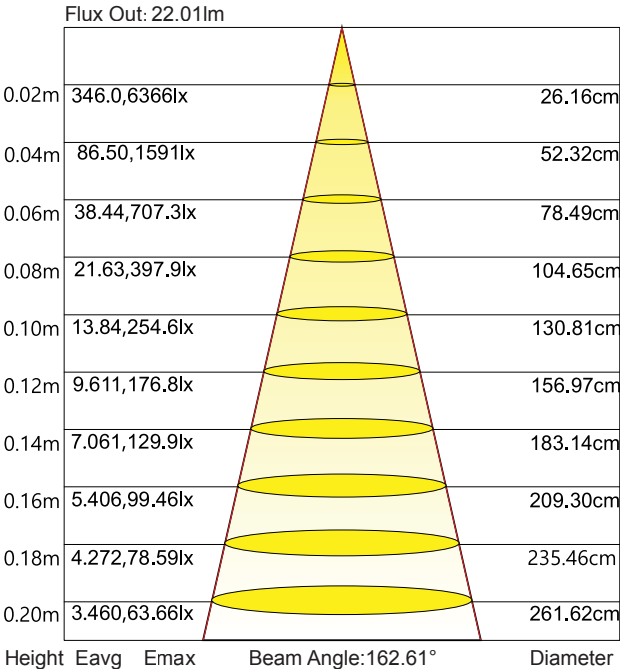
DIMENSIONS & CHARACTERISTICS

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%): 168.2°

AVERAGE BEAM ANGLE



Note: The above data are obtained from SMX - RGB.

WIRING CONSIDERATIONS

TYPICAL SYSTEM WIRING DIAGRAM

