



12V RGBW Pixel Dots

O-12V-MOD-5050-D4PD-RGBW-8904B

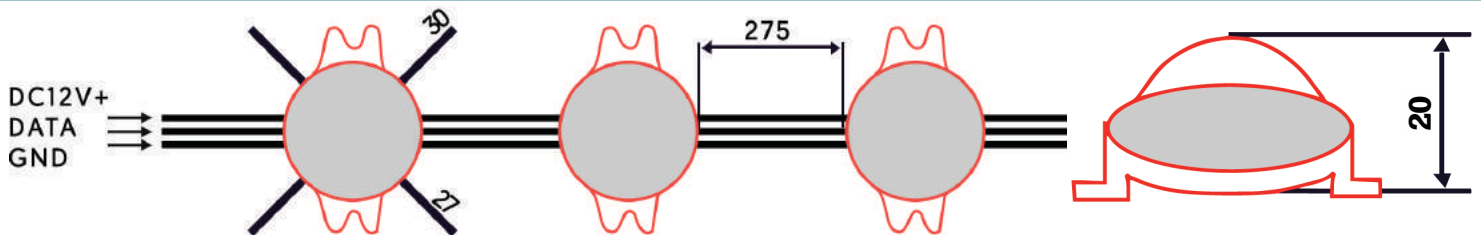
30MM Diameter LED Surface Mount-Able Domes Operating Under 8904B Pixel Protocol

This is a highly responsive RGBW individually controlled pixel product. Each pixel dot can change colour independent of one another. Ideal for installations that require individual control. Colour chasing, strobing, and virtually limitless effect options are capable once paired with a capable controller.

Compatible with our LFXFBX & PixlArt416 controllers or theoretically any device that outputs 8904B pixel protocol. Industry standard strings of 50 dots.

Controller, power supply and extension cables sold separately. Custom colour and colour temperature wavelengths are available.

PIXEL DOT	12V DC	15m	180° BEAM ANGLE	RGB+W	5 years	Dimmable
RoHS	CE	30MM ø	IP66	CUSTOMIZE		



Dimensions in MM
Custom Cable
Lengths & Connectors Available

TECHNICAL SPECIFICATIONS

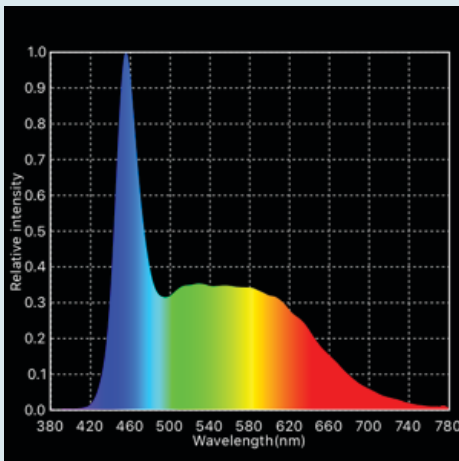
NO:	RGBW	
1	PRODUCT TYPE	RGBW DIFFUSED PIXEL MODULE
2	PRODUCT CODE	180° O-12V-MOD-5050-D4PD-RGBW-8904B
3	CRI / TLCI	91 / 87
4	KELVIN	8000K (+/- 1000K) [custom colour temperatures available upon request]
5	HOUSING COLOUR	WHITE
6	CURRENT, RATING	0.04A / PIXEL
7	VOLTAGE	12 VDC
8	WATTAGE	0.96 W / PIXEL
9	CC / CV	CONSTANT VOLTAGE
10	IP RATING	IP66
11	LUMENS @ FULL	N/A
12	LUMEN / WATT	N/A
13	LIFETIME*	30,000 HOURS*
14	PIXEL PITCH	11.8" [30CM] (CABLE DISTANCE = 10.8" [27.5CM])
15	LED QUANTITY	4 X RGBW LEDs
16	NUMBER OF CONTACTS	3
17	LED TYPE	5050
18	PCB COPPER QUANTITY	3 oz.
19	OPERATING TEMPERATURE RANGE	-20° ~ 60° C
20	AGENCY RATINGS	CE, RoHS
21	DIMENSIONS	30MM DIAMETER
22	MAXIMUM RECOMMENDED LENGTH	200 PIXEL DOTS (POWER INJECTION REQUIRED EVERY 50 DOTS)
23	VIEWING ANGLE	180°
24	ADHESION	MECHANICAL FASTENER REQUIRED
25	PIXEL PROTOCOL / FREQUENCY	UCS8904B / Input at right of SKU, output at left / 4KHZ

* - NOMINAL LIFETIME BASED ON IDEAL INSTALLATION LOCATION CONDITIONS & ASSUMING MAXIMUM OF 16 HOURS PER DAY OF USE

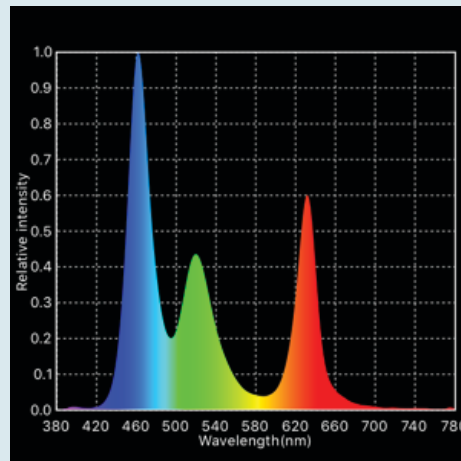
12V RGBW PIXEL DOT SKU ORDERING CODES

O	12	V	MOD	5050	D4PD	RGBW	-	8904B	-
1	2	3	4	5	6	7	8	9	10
IP Rating (IP65)	Operating Voltage	Voltage	Series	LED Type	Style	Colour Range	Kelvin	Protocol	Connector

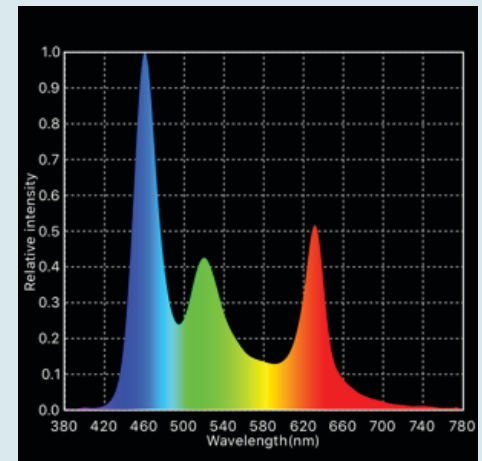
1 IP Rating I IP41 - Indoor Use Only O IP65 - Weatherproof W IP68 - Waterproof	2 Voltage 12V 12VDC (Standard) 5-36V Custom Order	3 Operating Mode V Constant Voltage	4 Series MOD Module	5 LED Type 5050 5050
6 Module Style D4PD D4PD	7 Colour Range RGBW Red, Green, Blue, White	8 Kelvin - 8000k +/- 100k (Standard)	9 Control Protocol 8904B UCS 8904B	10 Connector - No Connector (Standard) DC DC 2.5 X 5.1MM Barrel Connector



PHOTOMETRIC OUTPUT DATA (8000K WHITE)



PHOTOMETRIC OUTPUT DATA (RGB)



PHOTOMETRIC OUTPUT DATA (RGB+WHITE)

⚠ DO NOT install with power applied to device. DO NOT expose device to excessive moisture.