

PIXELS RGBWW

LED Light Sheet



Fixture Type:

Catalog Number:

Project:

Location:

PRODUCT DESCRIPTION

Professional flexible light sheet creates uniform and linear illumination. Easy installation in any minimal size application with no heat sink needed. Architectural grade RGB and white light sheet that delivers precise color consistency and brightness throughout the area. With a high lumen output, choose a Color Temperature anywhere from 2700K to 5000K and entire visible color spectrum for a unique and custom lighting effect.

FEATURES

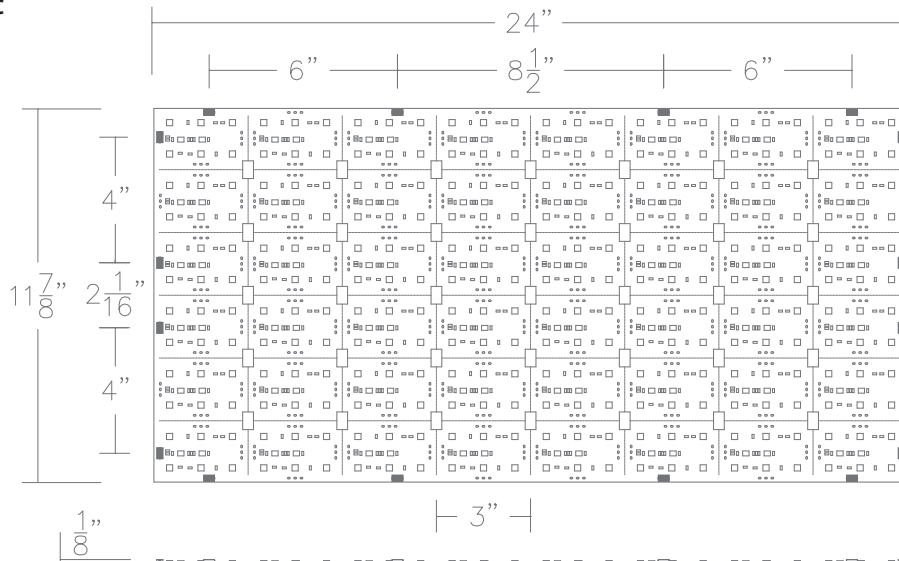
- With a lightweight, ultra-thin 1/8" profile
- Tune to desired CCT from 2700K to 5000K and visible color spectrum with DMX/RDM control, mobile app or WAC Wallstation
- Even illumination of translucent surfaces from as little as 1/2" behind
- May be field-cut vertically or horizontally, in unique shapes or around obstructions
- Powers easily by daisy chaining with Gold plated connectors or from any square at soldering points provided
- Versatile Mounting Options:
3M-construction adhesive adheres to most surfaces (flat or curved), or open rectangles indicate where it can be stapled through
- Can be installed in either exposed or fully enclosed spaces

SPECIFICATIONS

- Input:** 24VDC
- Wiring:** 3 conductor wire between Pixels and power supply
- Control:** Hardwired DMX options, Wireless Mobile App, or Wallstation
- CRI:** 90+
- McAdams Steps:** 3
- Color Temp:** 2700-5000K, R/G/B
- Operating Temp:** -4°F to 104°F (-20°C to 40°C)
- Standards:** UL & CUL Listed for Dry and Damp Locations

Model	Dimension	LED Lumens	Watt	Color Temp	Color
LED P05 P10	1224 12" x 24"	13W/sqft 24 W/sqft	435 lm/sqft 1000 lm/sqft	CC R/G/B/2700K-5000K	White

Example: LED-P10-1224-CC



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






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Accessories

WAC

	Model	Finish		
	T24-MM-002-WT T24-MM-006-WT	White White	Joiner Cable Connects between Pixels	2 in 6 in
	T24-MM-FLEX-WT	White	I Connector Connects between Pixels	
	T24-TI-WT	White	T Connector Connects Pixels sections	
	T24-XI-WT	White	X Connector Connects Pixels sections	
	T24-LI-WT	White	L Connector Connects Pixels sections	
	T24-FF-WT	White	Joiner Cable Extender Connects joiner cable to joiner cable, female on both sides	
	T24-B-WT	White	5-3 Low Voltage Wiring Box Connects between 5 wires and 3 wires cable	
	T24-Y-WT T24-Y-BK	White Black	Flex Y Connector Connects Pixels sections	
	T24-X-WT T24-X-BK	White Black	Flex X Connector Connects Pixels sections	
	T24-IC-002 T24-IC-006 T24-IC-012 T24-IC-036 T24-IC-072 T24-IC-144 T24-IC-240	WT White BK Black	In Wall Rated Joiner Cable Connects Pixels sections, 2 male ends	2 in 6 in 1 ft 3 ft 6 ft 12 ft 20 ft Example: T24-IC-002-WT
	T24-EX3-072 T24-EX3-144 T24-EX3-240 T24-EX3-1200	WT White BK Black	In Wall Rated Extension Cable Extends distance between a hard wire power supply or a wiring box to a Pixels section	6 ft 12 ft 20 ft 100 ft Example: T24-EX3-072-WT
	P-SO-050-10 P-SO-075-10 P-SO-100-10	Clear	Stand Off Allows for Translucent materials (Granite, stones, etc...) to be installed on top of Pixels RGBWW. (pack of 10)	0.5 in 0.75 in 1 in


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LED Controller / Power Supplies / User Interface Controller (REQUIRED)

LED Controller	Model	Input	Output	Dimension	Description
	CTR-WDMX-3CH	1 to 3 X 24VDC (96W) or 1 X 24VDC (300W)	3 X 24VDC (96W)	7 7/8" x 3 7/8" x 1 13/16"	UL Listed Class 2 Output 3 DMX/RDM Individual Addressable Output Channels DMX Port RJ45/XLR 3 Pins / Phoenix Connector Support both RGBWW / Tunable White Wireless interface with WAC mobile app and cloud access control
Includes: 3 pcs T24-EX3-072-WT					

Power Supplies	Model	Input	Output	Dimension	Description
	PS-24DC-U96R-S6	120-277VAC	24VDC, 96W	7 7/8" x 3 7/8" x 1 13/16"	UL Listed Class 2 Output 5 Years Warranty
	PS-24DC-U300R	120-277VAC	24VDC, 300W	11 7/16" X 5 3/16" X 1 15/16"	300W Output UL Listed, Class P, Type HL 5 Year Warranty

User Interface Controller	Model	Input	Output	Dimension	Description
	LED-WCT-WT	120-230VAC	N/A	4 5/8" X 2 3/8" X 1 5/8"	Wallstation Multi-scene selection, Raise/Lower, dedicated Off button Suitable for standard single NEMA wall box Setup and configuration via WAC mobile application, no physical adjustment needed

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DMX Value & Power Consumption



POWER CONSUMPTION AND MAXIMUM RUN

Power consumption depends on the color and dimming level. A lookup table below shows an actual recorded data of maximum light output at particular color or CCT with 96W power supply. Due to power consumption variation, please consider to use 13 W/sqft or 26W per LED-P05-1224-CC sheet for layout planning to maximize color/CCT adjustable range.

Note: 1 Sheet = 2 Square feet

Color & CCT (K)	Power (W)/sheet	Lumen/Sheet	DMX Value						
			CH1: RED	CH2: GREEN	CH3: BLUE	CH4: 2700K	CH5: 5000K	CH6: R/G/B	CH7: 27/50
RGB	23.8	708	255	255	255	0	0	255	0
RED	12.8	135	255	0	0	0	0	255	0
GREEN	12.9	462	0	255	0	0	0	255	0
BLUE	12.9	119	0	0	255	0	0	255	0
2700K	12.8	427	0	0	0	255	0	0	255
2800K	13.5	484	0	0	0	255	1	0	255
2900K	13.7	498	0	0	0	255	2	0	255
3000K	14.3	538	0	0	0	255	8	0	255
3100K	14.9	588	0	0	0	255	20	0	255
3200K	15.2	616	0	0	0	255	30	0	255
3300K	15.7	659	0	0	0	255	50	0	255
3400K	16.5	721	0	0	0	255	90	0	255
3500K	17.3	788	0	0	0	255	150	0	255
3600K	18.4	871	0	0	0	255	250	0	255
3700K	17.6	813	0	0	0	170	255	0	255
3800K	17.0	768	0	0	0	120	255	0	255
3900K	16.3	715	0	0	0	75	255	0	255
4000K	15.8	675	0	0	0	50	255	0	255
4100K	15.4	648	0	0	0	35	255	0	255
4200K	14.9	609	0	0	0	20	255	0	255
4300K	14.6	585	0	0	0	13	255	0	255
4400K	14.3	564	0	0	0	8	255	0	255
4500K	14.0	539	0	0	0	4	255	0	255
4600K	13.8	522	0	0	0	2	255	0	255
4700K	13.6	509	0	0	0	1	255	0	255
5000K	12.9	456	0	0	0	0	255	0	255

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DMX Value & Power Consumption



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Note: 1 Sheet = 2 Square feet

Color & CCT (K)	Power (W)/sheet	Lumen/Sheet	DMX Value						
			CH1: RED	CH2: GREEN	CH3: BLUE	CH4: 2700K	CH5: 5000K	CH6: R/G/B	CH7: 27/50
RGB	44.4	1353	255	255	255	0	0	255	0
RED	19.8	314	255	0	0	0	0	255	0
GREEN	19.8	839	0	255	0	0	0	255	0
BLUE	19.9	235	0	0	255	0	0	255	0
2700K	19.9	964	0	0	0	255	0	0	255
2800K	21.4	1094	0	0	0	255	1	0	255
2900K	21.8	1126	0	0	0	255	2	0	255
3000K	23.0	1227	0	0	0	255	8	0	255
3100K	24.4	1342	0	0	0	255	20	0	255
3200K	25.2	1408	0	0	0	255	30	0	255
3300K	26.3	1504	0	0	0	255	50	0	255
3400K	28.0	1646	0	0	0	255	90	0	255
3500K	29.9	1796	0	0	0	255	150	0	255
3600K	32.2	1986	0	0	0	255	250	0	255
3700K	30.4	1853	0	0	0	170	255	0	255
3800K	29.0	1749	0	0	0	120	255	0	255
3900K	28.0	1672	0	0	0	90	255	0	255
4000K	26.3	1545	0	0	0	50	255	0	255
4100K	25.5	1480	0	0	0	35	255	0	255
4200K	24.4	1393	0	0	0	20	255	0	255
4300K	23.7	1338	0	0	0	13	255	0	255
4400K	23.0	1288	0	0	0	8	255	0	255
4500K	22.3	1230	0	0	0	4	255	0	255
4600K	21.8	1193	0	0	0	2	255	0	255
4700K	21.4	1163	0	0	0	1	255	0	255
4800K	19.6	1020	0	0	0	15	240	0	255
4900K	19.6	1021	0	0	0	10	245	0	255
5000K	19.9	1043	0	0	0	0	255	0	255

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