PIXELS TUNABLE WHITE
LED Light Sheet

WAC

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 white light sheet that delivers precise color consistency and brightness throughout the area. With a high lumen output, choose a Color Temperature anywhere from 1800K to 5000K for a unique and custom lighting effect.

FEATURES

- With a lightweight, ultra-thin 1/8" profile
- Tune to desired CCT from 1800K to 5000K 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:	1800-5000K
Operating Temp:	-4ºF to 104ºF (-20ºC to 40ºC)
Standards:	UL & CUL Listed for Dry and Damp Locations

Model		Dimension		LED Lumens	Watt	Color Temp		Color
LED	**P05** **P10**	**1224**	*12" x 24"*	*10 W/sqft* *17W/sqft*	*425lm/sqft* *950lm/sqft*	**1850**	*1800K - 5000K*	*White*

Example: **LED-P10-1224-1850**
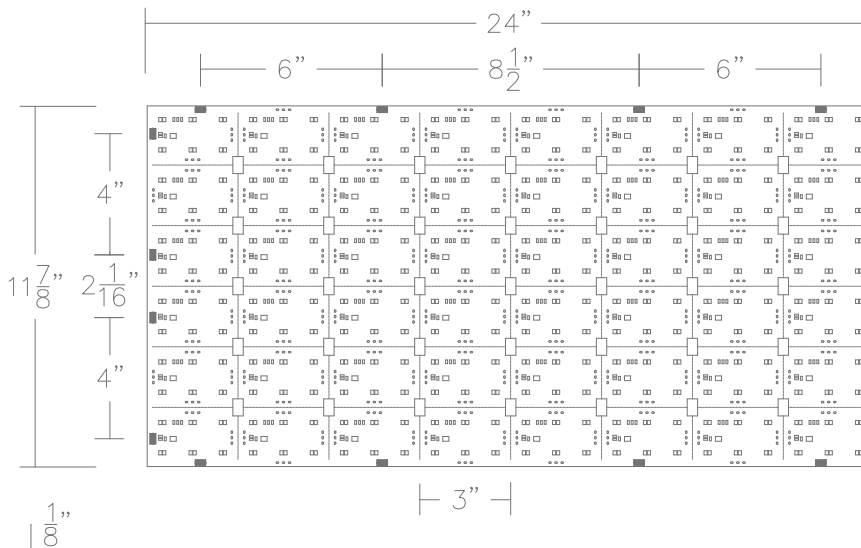
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PIXELS TUNABLE WHITE
Accessories

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	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 Tunable White. (pack of 10)*	*0.5 in* *0.75 in* *1 in*	

PIXELS TUNABLE WHITE
Components

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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
	Inlcudes: 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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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 10 W/sqft or 20W per LED-P05-1224-1850 sheet for layout planning to maximize CCT adjustable range.

Note: 1 Sheet = 2 Square feet

CCT (K)	Power (W)/sheet	Lumen/sheet	CH1: 1800K	CH2: 2700K	CH3: 5000K	CH4: 18/27/50
1800K	12.7	354	255	0	0	255
1900K	14.0	449	255	6	0	255
2000K	14.8	490	255	20	0	255
2100K	16.1	582	255	70	0	255
2200K	17.5	693	170	255	0	255
2300K	16.2	614	75	255	0	255
2400K	15.3	560	35	255	0	255
2500K	14.3	496	9	255	0	255
2600K	13.5	448	1	255	0	255
2700K	12.8	405	0	255	0	255
2900K	13.5	460	0	255	1	255
3000K	14.0	500	0	255	5	255
3100K	14.5	536	0	255	12	255
3200K	14.9	570	0	255	22	255
3300K	15.6	625	0	255	45	255
3400K	16.3	682	0	255	80	255
3500K	16.9	730	0	255	120	255
3600K	17.8	803	0	255	200	255
3700K	18.3	844	0	255	255	255
3800K	17.4	780	0	165	255	255
3900K	16.8	735	0	115	255	255
4000K	16.3	696	0	80	255	255
4100K	15.7	652	0	50	255	255
4200K	15.2	615	0	30	255	255
4300K	14.8	590	0	20	255	255
4400K	12.9	574	0	15	255	255
4500K	14.6	546	0	8	255	255
4600K	14.0	530	0	5	255	255
4700K	13.7	507	0	2	255	255
4800K	13.5	494	0	1	255	255
5000K	12.9	444	0	0	255	255

PIXELS TUNABLE WHITE
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 17 W/sqft or 34W per LED-P10-1224-1850 sheet for layout planning to maximize CCT adjustable range.

Note: 1 Sheet = 2 Square feet

CCT (K)	Power (W)/sheet	Lumen/Sheet	CH1: 1800K	CH2: 2700K	CH3: 5000K	CH4: 18/27/50
				DMX Value		
1800K	19.7	779	255	0	0	255
1900K	22.5	982	255	6	0	255
2000K	24.1	1103	255	20	0	255
2100K	27.0	1310	255	70	0	255
2200K	30.1	1559	170	255	0	255
2300K	27.2	1378	75	255	0	255
2400K	25.3	1256	35	255	0	255
2500K	23.0	1112	9	255	0	255
2600K	21.2	1004	1	255	0	255
2700K	19.7	909	0	255	0	255
2800K	19.3	1119	0	236	12	255
2900K	21.3	1032	0	255	1	255
3000K	22.3	1120	0	255	5	255
3100K	23.4	1201	0	255	12	255
3200K	24.3	1276	0	255	22	255
3300K	25.8	1398	0	255	45	255
3400K	27.4	1522	0	255	80	255
3500K	28.7	1627	0	255	120	255
3600K	30.8	1792	0	255	255	255
3700K	31.9	1884	0	255	255	255
3800K	30.0	1739	0	165	255	255
3900K	28.6	1639	0	115	255	255
4000K	27.4	1553	0	80	255	255
4100K	26.1	1456	0	50	255	255
4200K	25.0	1373	0	30	255	255
4300K	24.2	1317	0	20	255	255
4400K	23.7	1283	0	15	255	255
4500K	22.9	1123	0	8	255	255
4600K	22.4	1189	0	5	255	255
4700K	21.7	1135	0	2	255	255
4800K	21.3	1107	0	1	255	255
4900K	19.3	1248	0	15	235	255
5000K	19.3	1252	0	10	240	255
5100K	19.8	994	0	0	255	255