





# SPECIFICATION

<b>Product</b>	H0.9 Indoor COB die-casting aluminum cabinet 600mm×337.5mm
<b>Type</b>	H serie---H0.9

<b>Version NO: V2.0</b>
<b>Release Date: 2024-8-17</b>

<b>Model</b>	H serie HP0.9	<b>LED Lamp</b>	<b>COB</b>	
<b>(1) LED Chip</b>				
No.	Color	Luminous intensity	Wavelength	Notes
1	Red (test conditions: 5mA, 2.0V)	22mcd	620nm	Both the brightness and wavelength are typical
2	Green (test conditions: 2mA, 3.0V)	38mcd	520nm	
3	Blue (test conditions: 2mA, 3.0V)	5mcd	470nm	
<b>(2) Pixel</b>			R: G: B/3: 6: 1.	
1	LED Lamp		COB	

2	Pixel pitch	0.9375mm
3	Pixel composition	COB
<b>(3) Module</b>		
1	Module resolution(W×H)	320*180 pixel
2	Pixel Density (pixels/m2)	1,137,778
3	Module size (W×H)	300mm*168.75mm*3mm
4	Drive Method	1/54
<b>(4) Cabinet</b>		
1	Cabinet resolution(W×H)	640*360
2	Module No.(W×H)	2×2
3	Flatness of modules	≤0.1mm
4	Cabinet size(W×H xT)	600mm×337.5mm×35mm
5	Brightness	200 -800cd/m2
6	Installation	Standing/Hanging
<b>(5) Screen</b>		
1	Pixel density	1,137,778 pixels/m2
2	Brightness (Colour temperature 6500K)	200cd~800cd/ m <sup>2</sup> adjustable
3	Viewing angle	140°/120°
4	Flatness	≥98%
5	Uniformity of chromaticity	±0.003 Cx,Cy
6	Contrast ratio	10000:1
7	Display Color	16.7 million
8	Grey Scale	16bits
9	Waterproof	Front: IP41 back : IP41
<b>(6) Control system</b>		
1	Signal color processing bits	Red、 Green、 Blue ≥16bit respectively
2	Drive method	Constant current drive
3	Frame rate	60 frame/sec or 120 frame/sec
4	Refresh Rate	High refresh rates
6	Color temperature	2000K ~ 9500K adjustable

7	Brightness adjustment	Manual/Automatic/Program control
8	Pixel Correction	Correction pixel to pixel
9	Control system	Synchronous
10	Control distance	CAT, fibre-optic for more than 100m
11	Software	Windows XP /7/8/10/11
12	Signal Input	HDMI, DVI (extendable interface)

**(7) Operational parameters**

1	Working voltage	AC: 110V~240V、50~60Hz
2	Peak power	≤600W/ m <sup>2</sup>
3	Average power	≤250W/ m <sup>2</sup>
4	Consecutive working hours	≥7×24hrs
5	MTBF	≥10000hours
6	LED lifetime	100,000hours
7	Dead pixel discrete	≤0.0001, 0 when deliver
8	Blind spot rate	≤0.0001, 0 when deliver
9	Screen warming (operative condition)	≤5°C
10	Environmental temperature	-10°C ~ 60°C
11	Environmental humidity	10% ~ 90%RH, No Condensation



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