





Specifications of OLED Lighting Panels --P13 Series--

Models		Standard *1				Measurement Procedure	
Product Numbers		P13A0000N-A14A	P13B0000N-A14A	P13D0000N-A14A	P13F0000N-B04A		
Externals							
	[Tolerance]						
Size (W x L)	mm	±0.7	97.6 x 97.6	145 x 145	287 x 74	44.7 x 46.7	Caliper
(T)	mm	±0.30	2.10	2.30		1.46	Micrometer
Active Area (W x L)	mm	±0.5	81.2 x 81	128.4 x 128.4	269.8 x 58.4	36.7 x 35.9	Caliper
Weight	g	±10%	43	107	105	7	Microbalance
Operating Temperature Range*2	°C	—	5 ~ 40				
Storage Temperature Range	°C	—	-20 ~ 50				
Correlated Color Temperature	K	±15%	5,400 (Cool White)				Integrating Sphere, Sprctroradiometer(CS-2000)
Maximum Luminous Flux	lm	±15%	92	230	225	20	Integrating Sphere, Sprctroradiometer(CS-2000)
Maximum Luminance	cd/m ²	±15%	4,600				2D Color Analyzer(UA-1000A)
Luminance Uniformity	%	—	≤20				(Standard Deviation/Average Luminance)
Color Rendering Index		±10%	90				Integrating Sphere, Sprctroradiometer(CS-2000)
Rated Current	A	±0.01	0.31	0.78	0.75	0.063	Digital Multimeter
Rated Voltage *3	V	—	9.8	10.2		10.4	Digital Multimeter
Energy Consumption	W	—	3.04	7.96	7.65	0.66	(Rated Current x Rated Voltage)
Luminous Efficacy	lm/w	—	30				(Maximum Luminous Flux)/(Energy Consumption)
Life-time *4 LT70	(L ₀ =3,000 cd/m ²)	h	30,000				
	(L ₀ =4,600 cd/m ²)	h	10,000				

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*1 The figures here may be changed without any notice. The above performance data (except for **life-time** data @3,000cd/m²) are values when operating at the rated current.





*2 Surface temperature of the driving panel must be less than 60°C.

*3 A constant current power source is needed since a rated current defines a rated voltage. A protection circuit to turn off electricity is needed in case of short circuit. When driven by a constant current, if the voltage applied to the panel is less than 4V, the power should be shut off.

*4 We accept no responsibility for product life-time since the above life-time data are typical values.

Product Number System (ex.) P13 B 00 00 N - A 1 4 A
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

Item	Details
① Model	See the specifications above (P13)
② Size (W x L x T)	See the specifications above (A,D,F)
③ Administration Number	
④ Administration Number	
⑤ Color Temperature	N : Cool (Natural) White
⑥ Electrode Structure	A
⑦ Heat Sink Type	1
⑧ Out-coupling Film Type	4
⑨ Contact Pattern	A: On center of the long side without lead wire

Externals			
97.6 x 97.6, 145 x 145 (mm)		287 x 74 (mm)	
Front Side	Back Side	Front Side	Back Side
			
P13*0000L-A14A (*=A, B)		P13D0000L-A14A	

*Please contact us about contact patterns or lead wires connected to them.

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