

Models		Standard *1				Measurement Procedure
Product Numbers		P11A0000L-A14A	P11B0000L-A14A	P11D0000L-A14A		
Externals						
	[Tolerance]					
Size (W x L)	mm	±0.7	97.6 x 97.6	145 x 145	287 x 74	Caliper
(T)	mm	±0.30	2.10	2.30		Micrometer
Active Area (W x L)	mm	±0.5	81.2 x 81	128.4 x 128.4	269.8 x 58.4	Caliper
Weight	g	±10%	43	107	105	Microbalance
Operating Temperature Range *2	°C	—	5 ~ 40			
Storage Temperature Range	°C	—	-20 ~ 50			
Correlated Color Temperature	K	±15%	2,800 (Lamp Color)			Integrating Sphere, Spectroradiometer(CS-2000)
Maximum Luminous Flux	lm	±15%	95	240	230	Integrating Sphere, Spectroradiometer(CS-2000)
Maximum Luminance	cd/m ²	±15%	4,700			2D Color Analyzer(UA-1000A)
Luminance Uniformity	%	—	≤20			(Standard Deviation/Average Luminance)
Color Rendering Index		±10%	80			Integrating Sphere, Spectroradiometer(CS-2000)
Chromaticity Coordinates (x , y)		±0.020	(0.456, 0.398)			2D Color Analyzer(UA-1000A)
Rated Current	A	±0.01	0.24	0.59	0.56	Digital Multimeter
Rated Voltage *3	V	—	8.9	9.2		Digital Multimeter
Energy Consumption	W	—	2.1	5.4	5.2	(Rated Current x Rated Voltage)
Luminous Efficacy	lm/w	—	45			(Maximum Luminous Flux)/(Energy Consumption)
Life-time *4	(L ₀ =3,000 cd/m ²)	h	40,000			
LT70	(L ₀ =5,300 cd/m ²)	h	15,000			

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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.

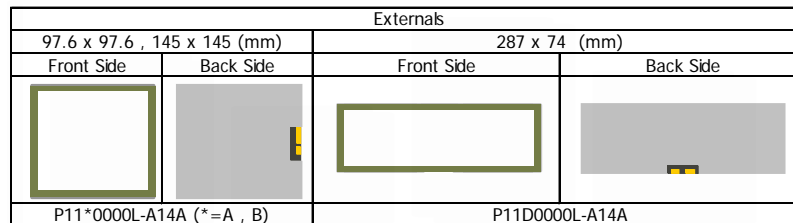
*2 Surface temperature of the driving panel must be less than 50°C.

*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.) P11 B 00 00 L - A 1 4 A

Item	Details
① Model	See the specifications above (P11)
② Size (W x L x T)	See the specifications above (B,D)
③ Administration Number	
④ Administration Number	
⑤ Color Temperature	L : Lump Color
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



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

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