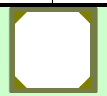
Lumiotec

Specifications of OLED Lighting Panels --P03･P04 Series--

LTS-10030-0

Models				Standard *1										
Product Numbers				P04B0909L -A12A	P03B0909N -A12A	P04A0404L -A12A	P03A0404N -A12A	P04C1312L -A12A	P03C1312N -A12A	P04D0909L -A12A	P03D0909N -A12A	P04E0606L -A12A	P03E0606N -A12A	Measurement Procedure
Externals			【Tolerance】											
Size （W x L）		mm	±0.7	145 x 145		97.6 x 97.6		287 x 97		287 x 74		287 x 59.5		Caliper
（T）		mm	±0.30	2.30		2.10		2.30						Micrometer
Active Area（W x L）		mm	±0.5	125 x 125		77.8 x 77.8		264 x76.8		264 x 53.8		264 x 39.3		Caliper
Weight		g	±15%	107		43		143		107		84		Microbalance
Operating Temperature Range *2		℃	—	5 ～ 40										
Storage Temperature Range		℃	—	-20 ～ 50										
Correlated Color Temperature		K	±20%	2,800 (Warm White)	4,900 (Cool White)	2,800 (Warm White)	4,900 (Cool White)	2,800 (Warm White)	4,900 (Cool White)	2,800 (Warm White)	4,900 (Cool White)	2,800 (Warm White)	4,900 (Cool White)	Spectroradiometer(SR3-AR)、20min driven
Maximum Luminous Flux		lm	±20%	99		40		134		94		68		Integrating Sphere、Sprctroradiometer(CS-2000)、20min driven
Maximum Luminance		cd/m^2	±20%	2,800	2,700	2,800	2,700	2,800	2,700	2,800	2,700	2,800	2,700	2D Color Analyzer（UA-1000A）、20min driven
Luminance Uniformity		%	—	≦20										（Standard Deviation/Average Luminance）
Color Rendering Index			±10%	82	81	82	81	82	81	82	81	82	81	Spectroradiometer(SR3-AR)、20min driven
Chromaticity Coordinates (x , y)			±0.04	(0.45, 0.42)	(0.35, 0.38)	(0.45, 0.42)	(0.35, 0.38)	(0.45, 0.42)	(0.35, 0.38)	(0.45, 0.42)	(0.35, 0.38)	(0.45, 0.42)	(0.35, 0.38)	Spectroradiometer(SR3-AR)、20min driven
Rated Current		A	±0.02	0.90		0.36		1.22		0.85		0.62		Digital Multimeter
Rated Voltage *3		V	±10%	10.7	10.5	10.7	10.5	10.7	10.5	10.7	10.5	10.7	10.5	Digital Multimeter、20min driven
Energy Consumption		W	—	9.63	9.45	3.85	3.78	13.05	12.81	9.10	8.93	6.63	6.51	(Rated Current) x (Rated Voltage)
Luminous Efficacy		lm/w	—	10.3	10.5	10.3	10.5	10.3	10.5	10.3	10.5	10.3	10.5	(Maximum Luminous Flux)/(Energy Consumption)
Life-time *4 LT50	(L_0=1000 cd/m^2)	h	—	50,000	100,000	50,000	100,000	50,000	100,000	50,000	100,000	50,000	100,000	
	(L_0=3000 cd/m^2)	h	—	10,000	20,000	10,000	20,000	10,000	20,000	10,000	20,000	10,000	20,000	
LT70	(L_0=1000 cd/m^2)	h	—	25,000	50,000	25,000	50,000	25,000	50,000	25,000	50,000	25,000	50,000	
	(L_0=3000 cd/m^2)	h	—	5,000	10,000	5,000	10,000	5,000	10,000	5,000	10,000	5,000	10,000	

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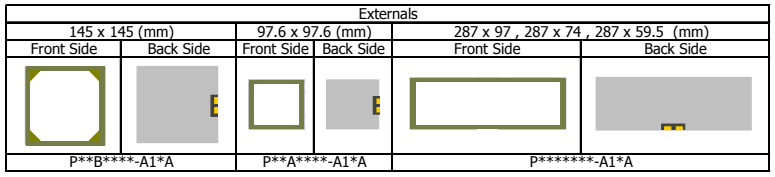
*1 The figures here are subject to be changed without any notice. The above performance data (except for life-time data @1000/cd/m2) are values when operating at the rated current.
*2 Surface temperature of the driving panel must be not more than 60℃.
*3 A constant current power source is needed since 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 6V , the power should be shut off.
*4 We accept no responsibility for product life-time since the above life-time data are design values.

Product Number System

(ex.) P04 B 09 09 L - A 1 2 A
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

Item	Details
① Model	See the specifications above
② Size (W x L x T)	See the specifications above
③ Energy Consumption	See the specifications above
④ Rated Current	See the specifications above
⑤ Color Temperature	L : Warm White (Lump Color) N : Cool (Natural) White
⑥ Electrode Structure	A
⑦ Heat Sink Type	1
⑧ Out-coupling Film Type	2
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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