


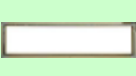



Specifications of OLED Lighting Panels –P05 Series–

LTS-90197
Mar.26.2012

Models		Standard *1*4					Measurement Procedure	
Product Numbers		P05B0405L-A13A	P05A0102L-A13A	P05C0506L-A13A	P05D0304L-A13A	P05E0203L-A13A		
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	Micrometer Caliper
(T)	mm	±0.30	2.36	2.16	2.36	2.36	2.36	Micrometer Caliper
Active Area (W x L)	mm	±0.5	125 x 125	77.8 x 77.8	264 x 76.8	264 x 53.8	264 x 39.3	Micrometer Caliper
Weight	g	±10%	110	44	146	110	86	Microbalance
Operating Temperature Range*3	°C	—	5~40°C					
Storage Temperature Range	°C	—	-20~50°C					
Correlated Color Temperature	K	±15%	2,800 (Warm White)				2D Color Analyzer (UA-1000A)	
Maximum Luminous Flux	lm	±15%	145	55	185	130	95	Integrating Sphere ,Spectroradiometer(CS-2000)
Maximum Luminance	cd/m ²	±15%	3,000				2D Color Analyzer (UA-1000A)	
Luminance Uniformity	%	—	≤15				(Standard Deviation/Average Luminance)	
Color Rendering Index		±10%	80				Integrating Sphere ,Spectroradiometer(CS-2000)	
Chromaticity Coordinates		±0.025	(0.465, 0.425)				2D Color Analyzer (UA-1000A)	
Rated Current	A	±0.01	0.45	0.17	0.58	0.41	0.30	Digital Multimeter
Rated Voltage *2	V	—	8.0				Digital Multimeter	
Energy Consumption	W	—	3.6	1.36	4.6	3.3	2.4	(Rated Current)×(Rated Voltage)
Luminous Efficacy	lm/w	—	40				(Total Luminous Flux)/(Energy Consumption)	
Life-time *5	h	—	50,000				2D Color Analyzer (UA-1000A), Life-time at 3000 cd/m ² : Estimated at the rated current under 25 °C,	
50% luminance	h	—	10,000					
Life-time *5	h	—	25,000				Life-time at 1000 cd/m ² : Calucrated from the above data.	
70% luminance	h	—	5,000					

*1 The figures here are subject to be changed without any notice.

*2 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.

*3 Surface temperature of the driving panel must be not more than 50 °C.

*4 The above performance data (except for life-time data at 1000cd/m²) are values when operating at the rated current.



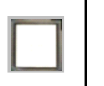
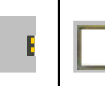


*5 We accept no responsibility for product life-time since the above life-time data are typical values.

120326A

Product Number System

(例) P05 B 04 05 L - A 1 3 A
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

Item	Details
① Model	See the specifications above (P05)
② Size (W x L x T)	See the specifications above (A, B, C, D or E)
③ Energy Consumption	See the specifications above
④ Rated Current	See the specifications above
⑤ Color Temperature	L: Warm White (Lump Color)
⑥ Electrode Structure	A
⑦ Heat Sink Type	1
⑧ Out-coupling Film	3 : With Out-coupling Film
⑨ Contact Pattern	A: On center of the long side without lead wires

Externals				Externals			
145 x 145 (mm)		97.6 x 97.6 (mm)		287 x 97, 287 x 74, 287 x 59.5 (mm)			
Front Side	Back Side	Front Side	Back Side	Front Side	Back Side		
							
P0*B**** - A1*A		P0*A**** - A1*A		P0***** - A1*A			

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

Lumiotec Inc.

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Yonezawa-shi, Yamagata, 992-1128 JAPAN

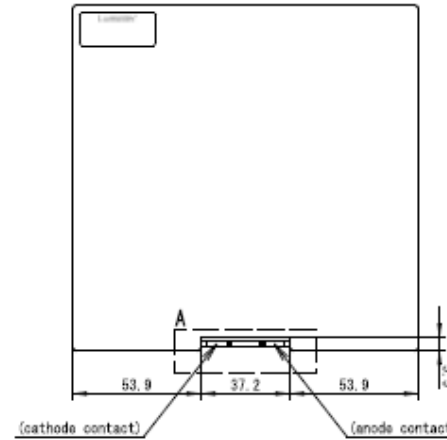
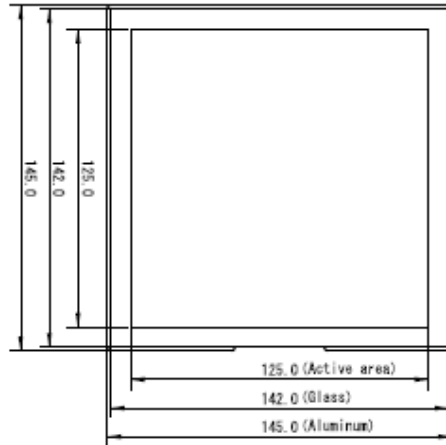
E-mail : lumiotec-support@lumiotec.com
Web Site : <http://www.lumiotec.com>

External View of OLED Lighting Panels

<Front Side>

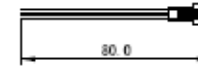
<Back Side>

P05B0405L-A13A
Thickness 2.36 mm



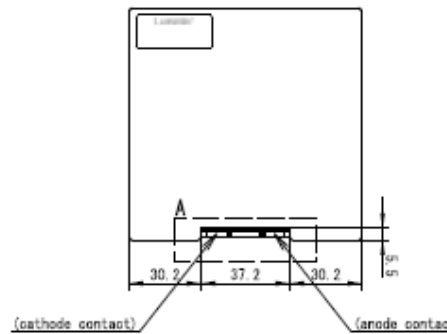
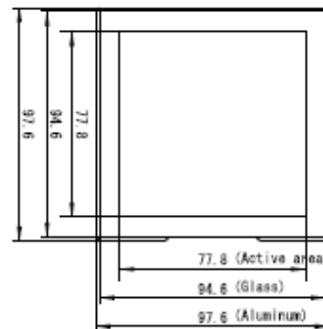
<Option>

Connector type JST products SMR-02V-N

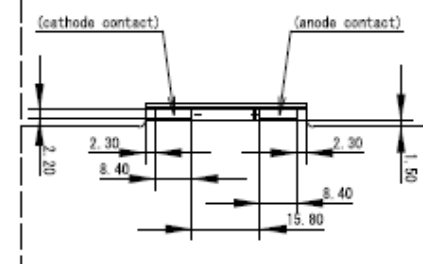


Lead wires can be connected to electrode contacts with option.

P05A0102L-A13A
Thickness 2.16 mm



Extended A

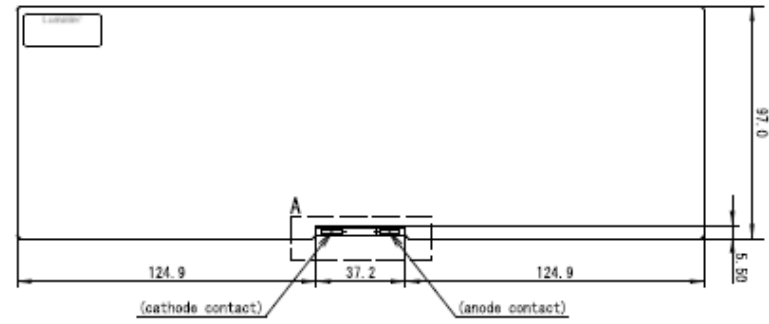
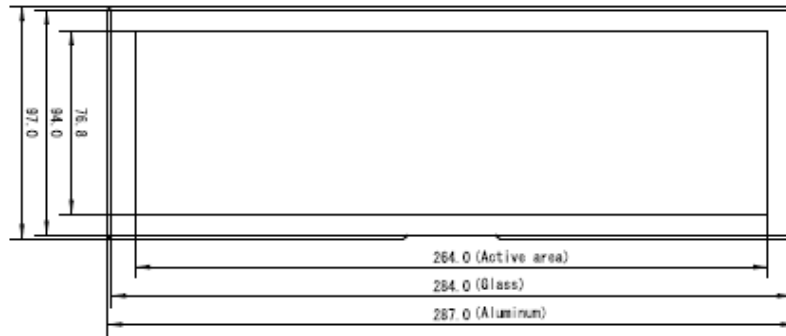


(unit : mm)

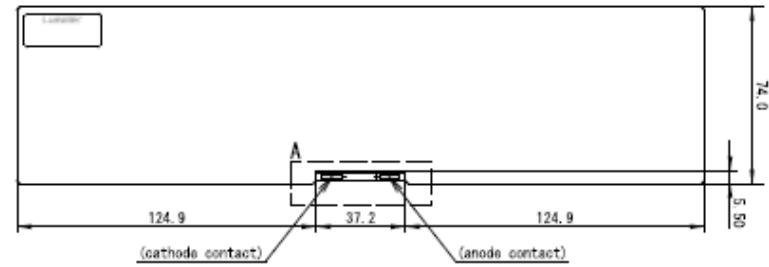
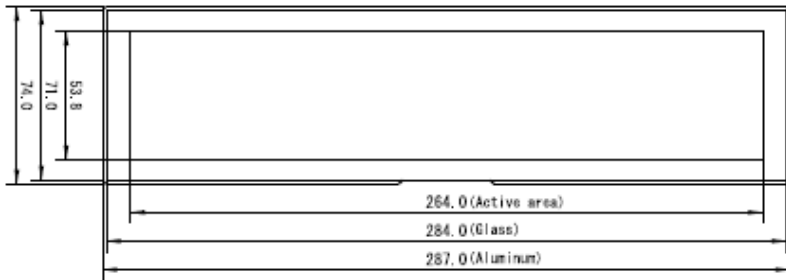
<Front Side>

<Back Side>

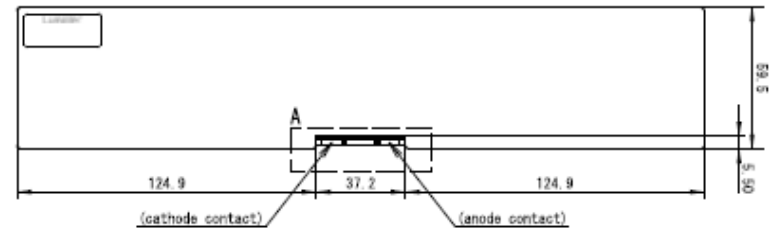
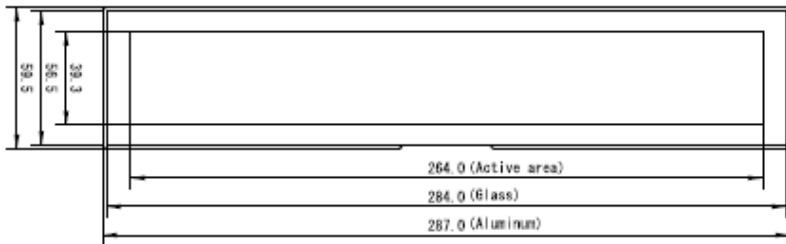
P05C0506L-A13A
Thickness 2.36 mm



P05D0304L-A13A
Thickness 2.36 mm



P05E0203L-A13A
Thickness 2.36 mm



(unit : mm)