

LED Panel Light  
**Anti  
Bacterial  
Medical  
Series**



## Introduction

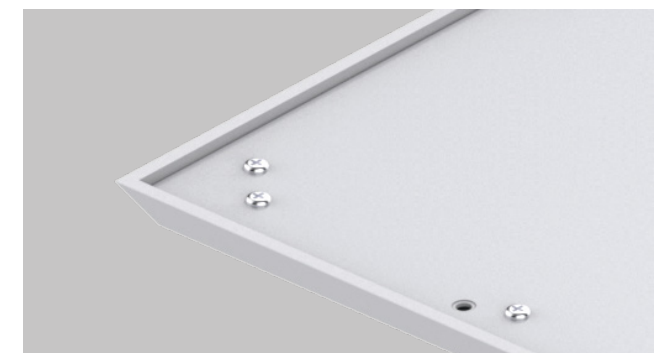
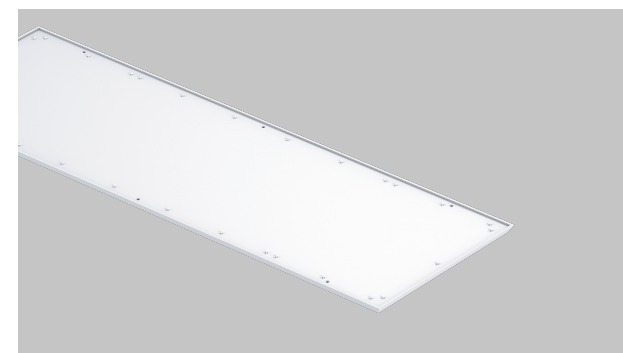
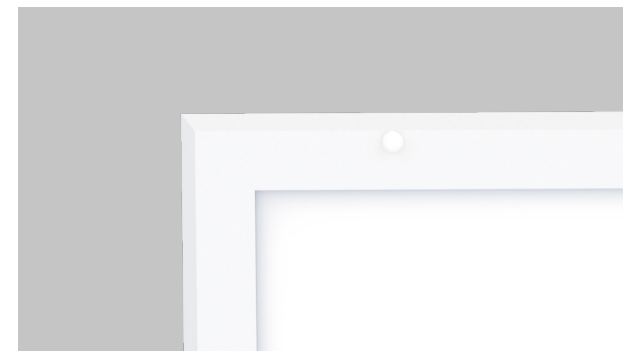
This is a medical antibacterial clean panel. It is manufactured with high quality AL6063 aluminum and uses the high lumen SMD4014, which has a great heat dissipation to ensure a long lifespan. CRI90 light source ensures a better colour rendering,  $R9 > 50$  which ensures a richer colour saturation of the illuminated subject. The fitting has a PMMA light guide plate, which has the advantages of anti yellowing, high optical conversion efficiency, uniform luminous effect and can effectively relieve eye fatigue. The lamp is manufactured with high strength in the structure, the diffuser is made of PS antibacterial material, which can effectively prevent the residual bacteria on the fitting surface.

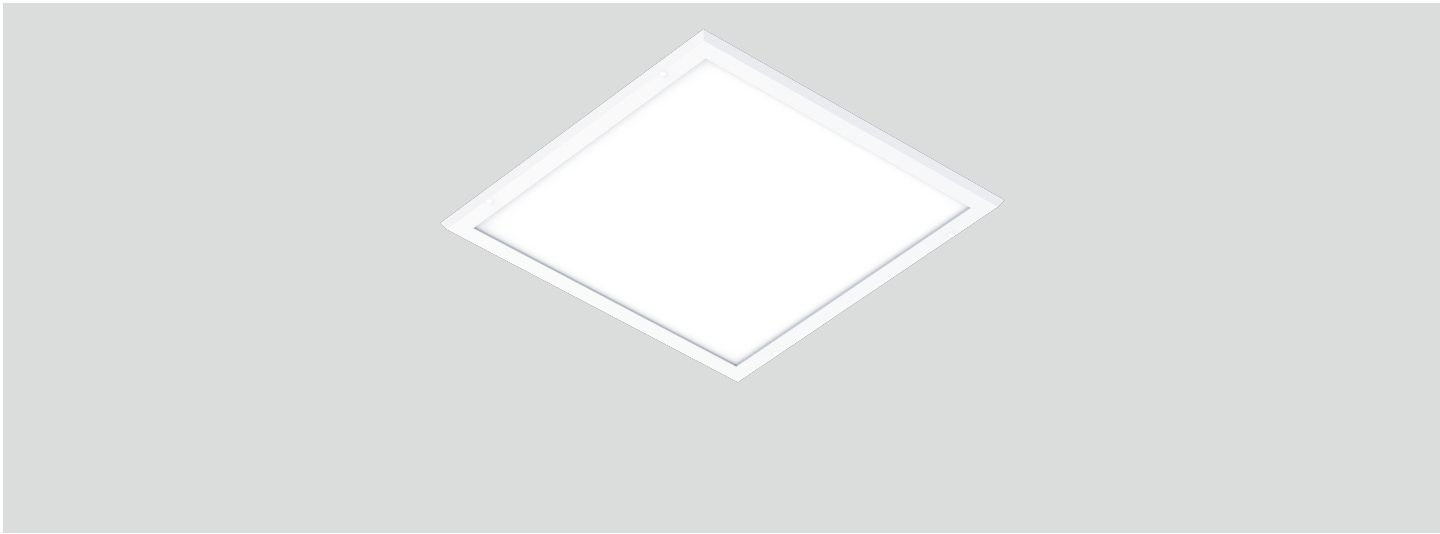
## Features

- The diffuser is made of antibacterial material to prevent residual bacteria on lamp.
- SDCM < 3 for the luminaire.
- CRI > 90,  $R9 > 50$ .
- Wide beam angle 120 degree.
- High lumen efficiency, 100lm/W.
- External flicker free driver.
- Dimming methods: triac dim, 0-10V, DALI.
- Installation way: Surface mounted (With screws).

## Application Areas

It's specially designed for medical locations, such as hospital corridor, nurse station, therapeutic room, pharmacy, clinical process room, private clinic etc.





Technical Data Sheet

Code No.			PAM39N/3340U	PAM123N/4040U	PAM66N/4040U
Dimension(mm)			300*900*13	300*1200*13	600*600*13
Cutout (mm)			-		
Watt(W)			33W	40W	40W
Rated Input Voltage(V)			AC230V		
Input Voltage(V)			AC220-240V		
LED Module Input			33-38V DC 850mA CC	33-38V DC 1000mA CC	33-38V DC 1000mA CC
Light Source			SMD		
SDCM			<3		
CCT(K)			3000K/4000K/5000K		
CCT Selection DIP Switch			-		
Luminous Flux (lm) ±5%	Non-DIM	1-CCT	2900-3470	3440-4200	3440-4200
	DIM		2800-3400	3300-4100	3300-4100
	Non-DIM	3-CCT	-		
	DIM		-		
CRI			≥90		
Beam Angle (°)			120°		
UGR			-		
LED Driver			Built-out		
Dimming Option			Triac/ DALI/ 0-10V		
Sensor			-		
Emergency Kits			-		
Electrical Class			Class II		
Ingress Protection (IP Rating)			IP44 in front		
Impact Resistance (IK Rating)			-		
Product Finishing(Base)			White		
Materials of Optics			PS(diffuser)+PMMA(LGP)		
Materials of Housing			Aluminum(frame)		
Lifetime (hr)			50,000h		
Glow wire test (°C )			650°C		
Operating Temp. (°C )			-10°C ~40°C		
Storage Temp. (°C )			-10°C ~50°C		
Installation			Surface mounted(With screws)		



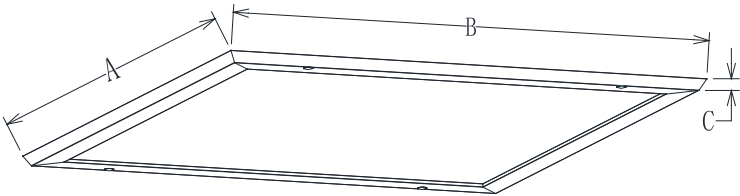
120°

PF 0.9

CRI ≥90







Measurement

Code	Dimension(mm)				Size(mm)	Product Weight (Kg)		Package weight (Kg)		Carton Size(cm)	Qty/CTN	20GP (pcs)	40HQ (pcs)
	A	B	C	D		N.W/PC	G.W/PC	N.W/CTN	G.W/CTN				
3090	300	900	13	—	300*900*13	2.16	2.56	10.8	14.1	100*26*41	5	1175	2970
30120	300	1200	13	—	300*1200*13	2.74	3.2	13.7	17.7	130*26*41	5	850	2160
6060	600	600	13	—	600*600*13	2.8	3.25	14.0	18.3	70*26*71	5	1150	2400

Driver Datasheet (Non-dimmable)

Total load wattage		33W	40W
Output	Output Voltage range	DC30-40V	
	Rated output current	850mA	1000mA
	Line Regulation	±5%	
	Setup, Rise Time	500ms @230V	
	Flickering Index	0.5%(NO RISK)	
Input	Input Voltage	AC220-240V	
	Rated Input Voltage(V)	AC230V	
	Frequency	50/60Hz	
	Input Current	≤0.183A	≤0.22A
	Rated Input Current	≤0.175A	≤0.21A
	Power Factor	≥0.9	
	THD	<20% @230V	
	Efficiency	≥90%	
	No load wattage	<0.5w @230V	
Protection	Short circuit protection	Pass	
	Over voltage protection	Pass	
	Over temperature protection	Pass	
Safety &EMC	Withstand voltage	I/P-O/P:3.75kVac, <5mA 60S	
	Isolation Resistance	I/P-O/P: 500VDC, ≥100M Ω	
	Surge	IEC/EN61000-4-5(L-N:0.5kV)	IEC/EN61000-4-5(L-N:1kV)
	EMC Emission	IEC/EN55015, IEC/EN61000-3-2	
	EMC Immunity	IEC/EN61000-4-2,3,4,5,6,8,11; IEC/EN61547	

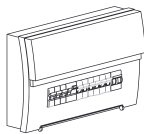
Driver Datasheet (Triac Dimmable)

Total load wattage		33W	40W
Output	Output Voltage range	DC30-40V	
	Rated output current	850mA	950mA
	Line Regulation	<20% @230V	
	Setup, Rise Time	500ms @230V	
	Flickering Index	3%(LOW RISK)	
Input	Input Voltage	AC90-305V	
	Rated Input Voltage(V)	AC220-230V	
	Frequency	50Hz	
	Input Current	≤0.183A	≤0.22A
	Rated Input Current	≤0.175A	≤0.21A
	Power Factor	≥0.9	
	THD	<20% @230V	
	Efficiency	≥84%	
	No load wattage	<0.5w @230V	
Protection	Short circuit protection	Pass	
	Over voltage protection	Pass	
	Over temperature protection	Pass	
Safety &EMC	Withstand voltage	I/P-O/P:3.75KVac, <5mA 60S	
	Isolation Resistance	I/P-O/P: 500VDC, ≥100M Ω	
	Surge	IEC/EN61000-4-5(L-N:1KV)	
	EMC Emission	IEC/EN55015, IEC/EN61000-3-2	
	EMC Immunity	IEC/EN61000-4-2,3,4,5,6,8,11; IEC/EN61547	

Installation Procedure

WARNING ⚡

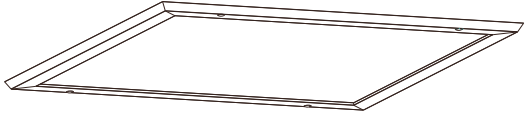
- 1.Switch off before installation.
- 2.Switch on only after complete installation and examination of the circuit.
- 3.Professional electrician for installation and maintenance only.





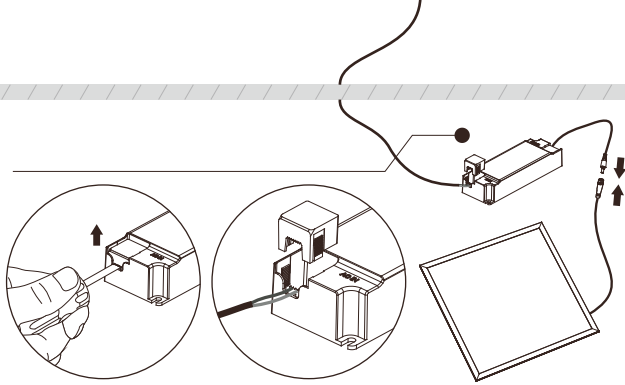
Turn Off  
Power Supply

Turn Off power supply before starting any installation. Read instructions & check you have all the tools & accessories to complete the installation correctl y.

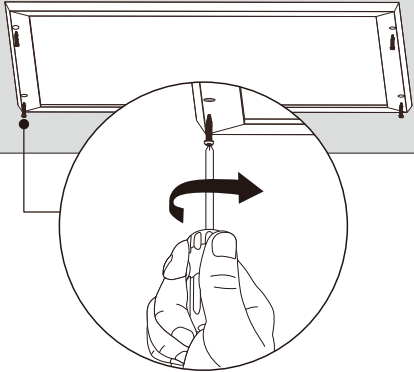
■ Surface mounted(With screws)



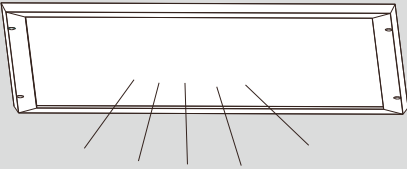
	3090	30120	6060
	6	6	4
	6	6	4



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COMPLETE

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*The Professional Choice in LED Lighting*