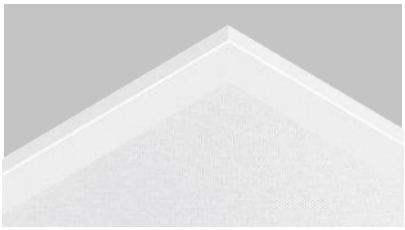
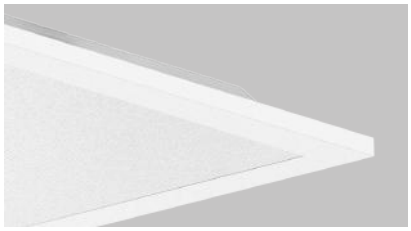
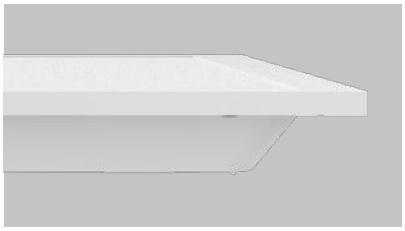
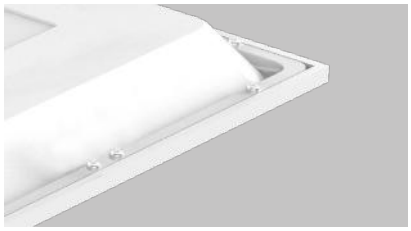
Tel: 0161 850 0905
Email: info@britektechnologies.com

LED Panel PL30120US30C/N/W 30W







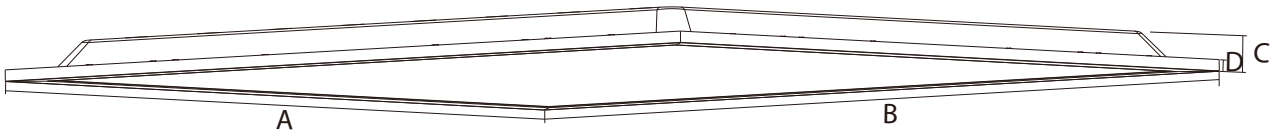


Specification

Sku:			PL30120US30C/N/W
Dimensions			295*1195*32
Wattage (W)			30W
Rated Input Voltage			AC230
Input Voltage			AC200-240V
LED Module Input			30-42V DC 750mA CC
Light Source			SDM
SDCM			-
CCT(K)			1-CCT: 3000K/4000K/5000K/5700K 3-CCT: 3000K + 4000K + 5700K
CCT Selection DIP Switch			Yes
Luminous Flux (lm) +5%	NON-DIM	1-CCT	3600-3340
	DIM		3450-4000
	NON-DIM	3-CCT	3600-4000
	DIM		3450-4000
CRI			>80

UGR	<19
LED Driver	Built Out
Sensor	-
Emergency Kits	-
Electrical Class	Class II
Ingress Protection (IP Rating)	IP40
Impact Resistance (IK Rating)	-
Product Finishing(Base)	White
Materials of Optics	PMMA(Lens)+PS(Diffuse)
Material Of Housing	Aluminium(Frame)
Lifetime (hr)	50,000hr
Glow Wire Test (°C)	650°C
Operating Temp (°C)	-10C°C ~ 40°C
Storage Temp (°C)	-20C°C ~ 65°C
Installation	Surface mount / Pendant
Beam Angle	90°

Dimensions



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				
30120	295	1195	32	9	295*1195*32	2.05	2.49	10.3	13.8	126*29*37.5(1PCS/inner box)	5	930	2250
							4.68	12.3	15.4	126.30*30*37.5(2PCS/inner box)	6	1116	2664

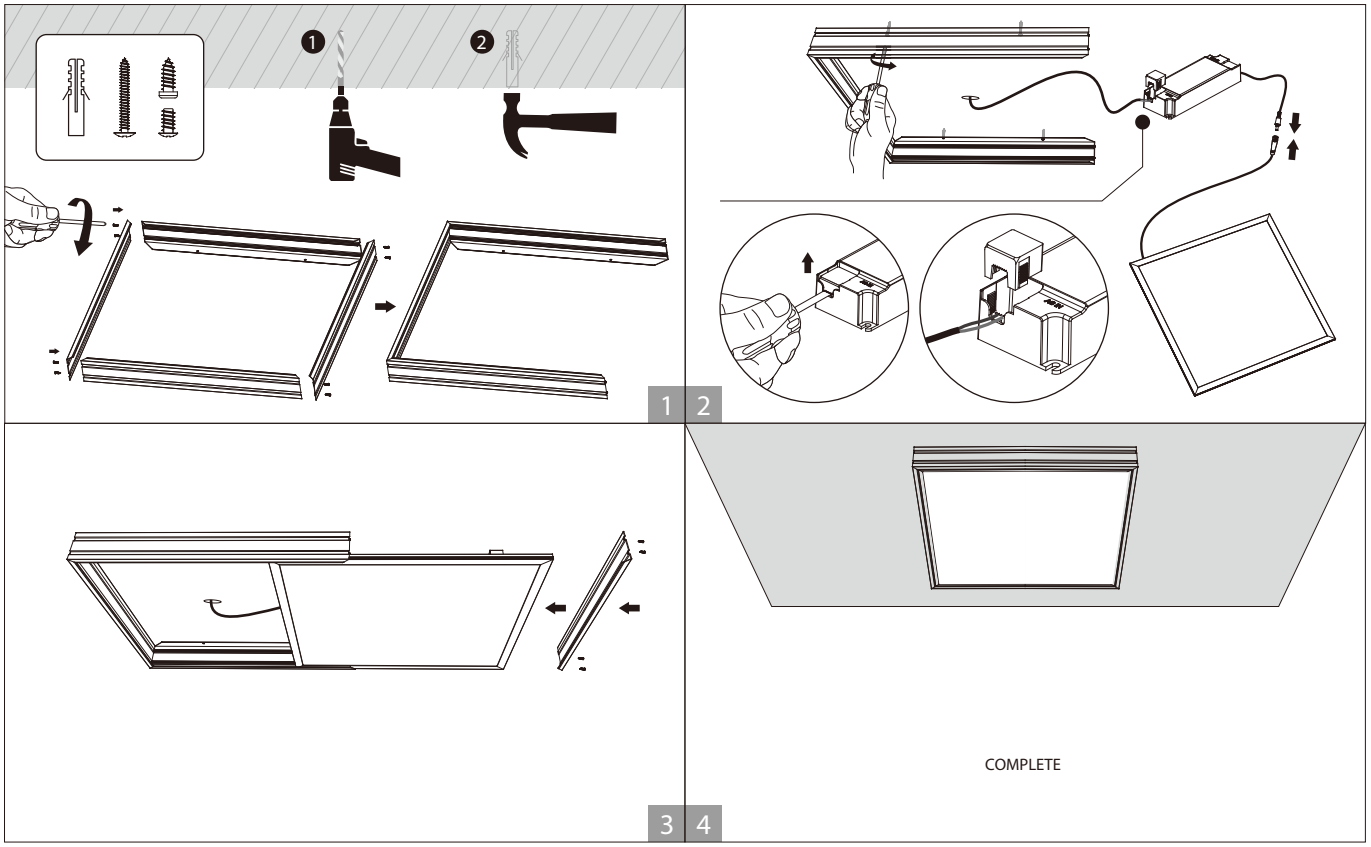
Driver Datasheet (Triac Dimmable)

Total load wattage		25W	50W
Output	Output Voltage range	DC30-42V	
	Rated output current	650mA	1300mA
	Line Regulation	±5%	
	Setup, Rise Time	≤1S	
	Flickering Index	–	
Input	Input Voltage	AC200-240V	
	Rated Input Voltage(V)	AC230V	
	Frequency	50Hz	
	Input Current	≤0.17A	≤0.28A
	Rated Input Current	≤0.15A	≤0.25A
	Power Factor	≥0.9	
	THD	<20% @230V	
	Efficiency	≥85%	≥85%
	No load wattage	<1W	
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 ; I/P-FG:1.6KVac,<5mA 60S ; O/P-FG:0.5KVac,<5mA 60S	
	Isolation Resistance	I/P-O/P: 500VDC, ≥100M Ω	
	Surge	IEC/EN61000-4-5(P ＜25W; L-N:500V, L/N-PE:1KV);IEC/EN61000-4-5 (P≥25w L-N:1KV, L/N-PE:2KV)	
	EMC Emission	EN55015, EN61000-3-2	
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547	

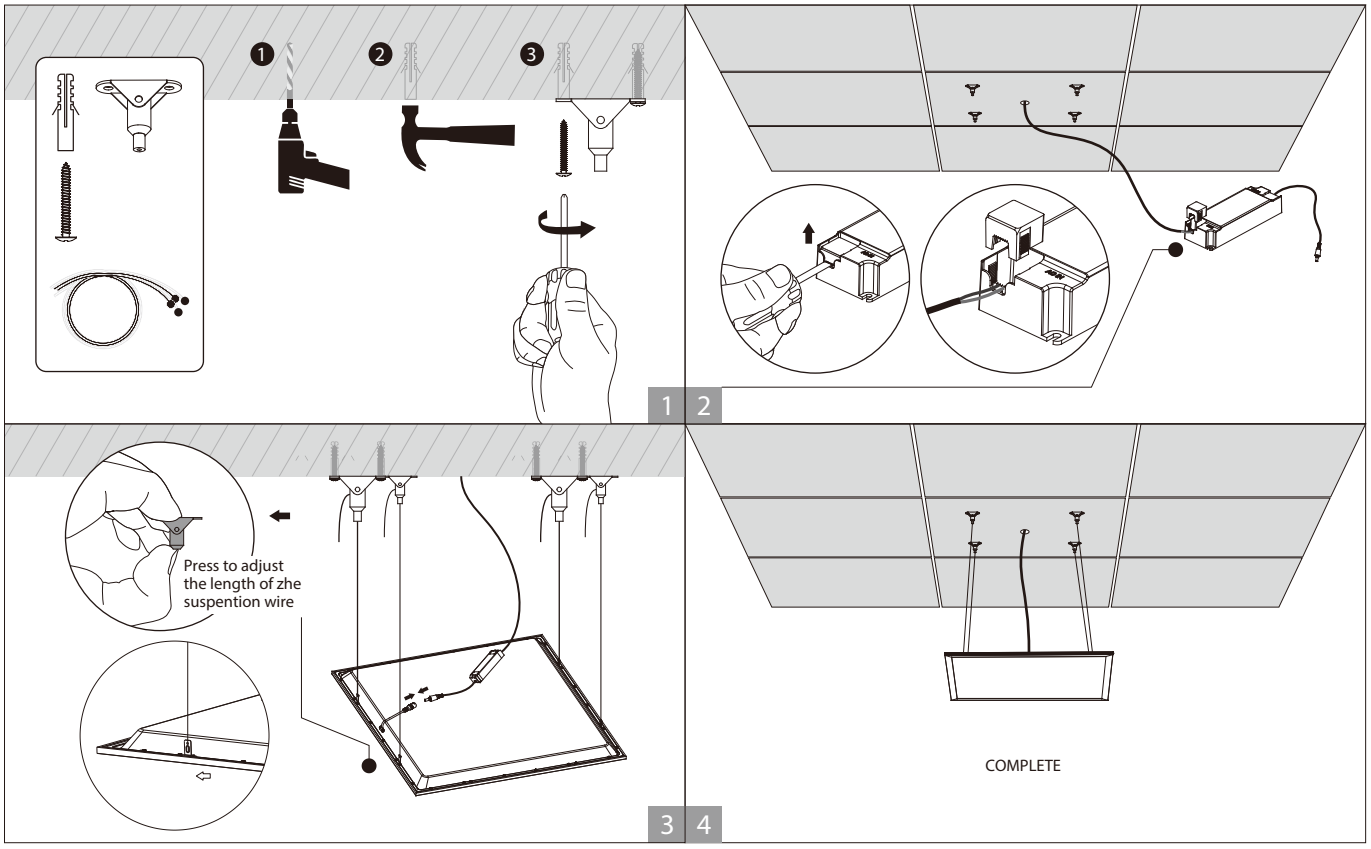
Driver Datasheet (Non-Dimmable)

Total load wattage		25W	50W
Output	Output Voltage range	DC30-42V	
	Rated output current	650mA	1300mA
	Line Regulation	±5%	
	Setup, Rise Time	≤1S	
	Flickering Index	–	
Input	Input Voltage	AC200-240V	
	Rated Input Voltage(V)	AC230V	
	Frequency	50/60Hz	
	Input Current	≤0.17A	≤0.28A
	Rated Input Current	≤0.15A	≤0.25A
	Power Factor	≥0.9	
	THD	<20% @230V	
	Efficiency	≥88%	≥88%
	No load wattage	<0.5W	
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 ; I/P-FG:1.6KVac,<5mA 60S ; O/P-FG:0.5KVac,<5mA 60S	
	Isolation Resistance	I/P-O/P: 500VDC, ≥100M Ω	
	Surge	IEC/EN61000-4-5(P ＜25W; L-N:500V, L/N-PE:1KV);IEC/EN61000-4-5 (P≥25w L-N:1KV, L/N-PE:2KV)	
	EMC Emission	EN55015, EN61000-3-2	
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547	

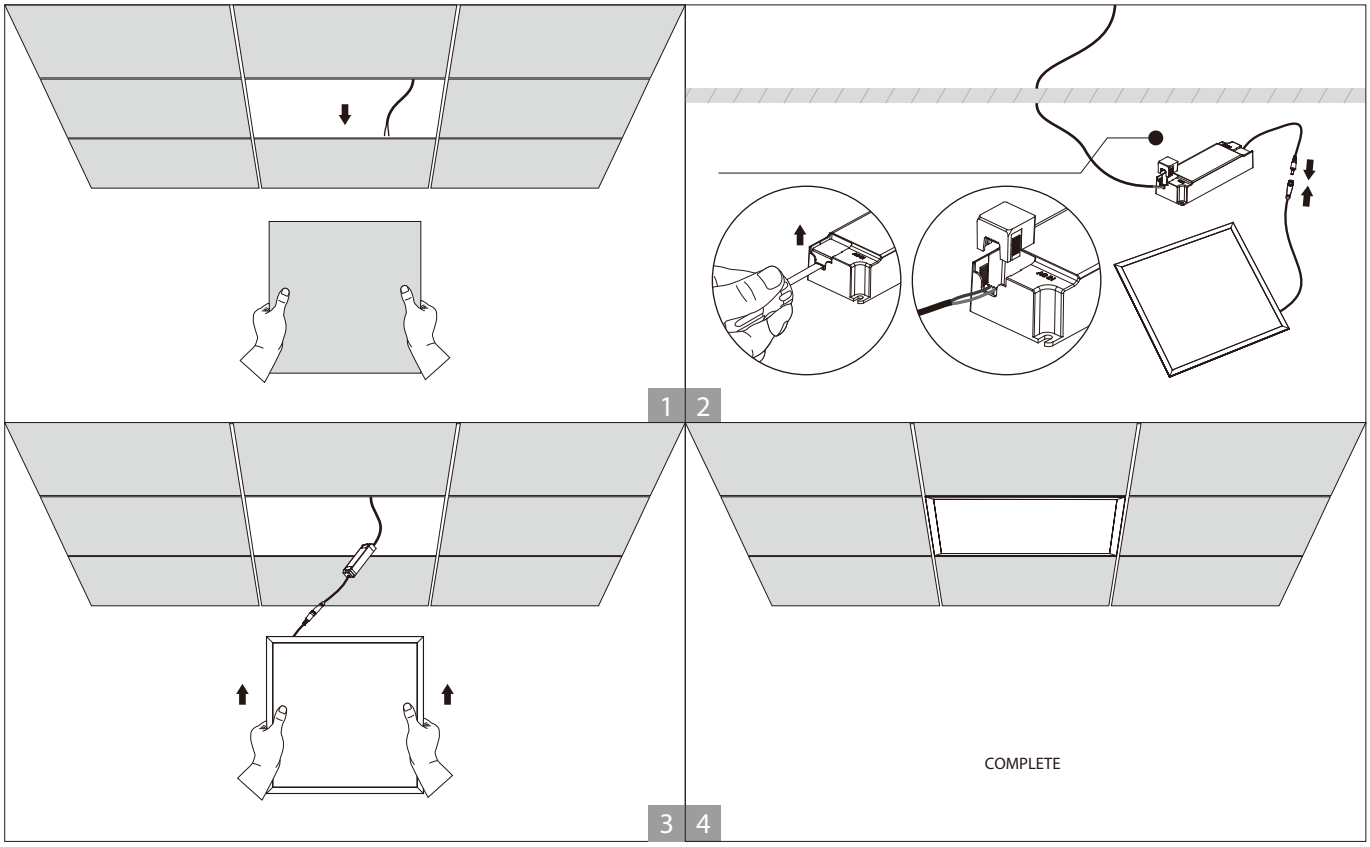
Surface mount



Pendant



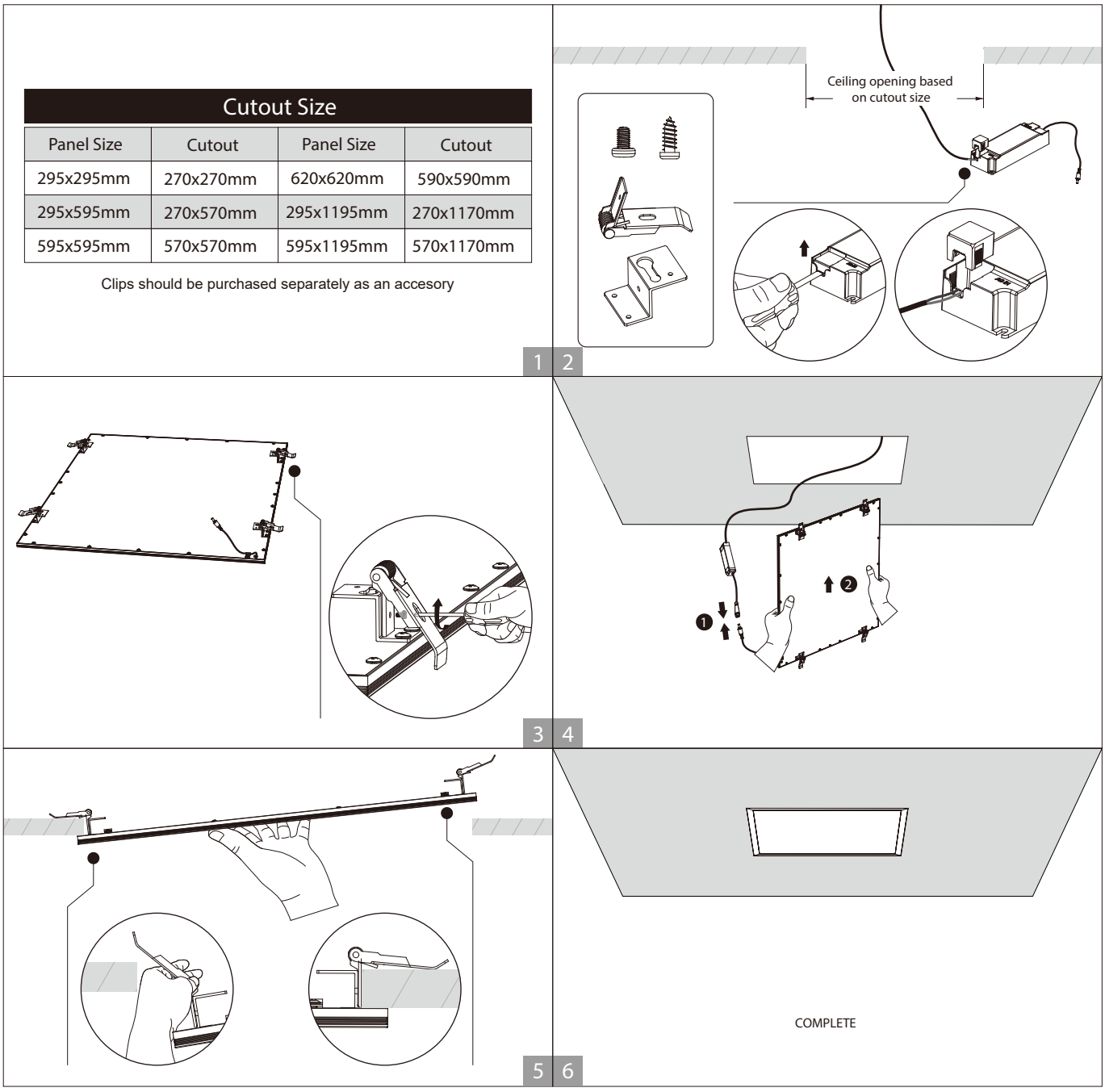
Recessed(1)



Recessed(2)

Cutout Size			
Panel Size	Cutout	Panel Size	Cutout
295x295mm	270x270mm	620x620mm	590x590mm
295x595mm	270x570mm	295x1195mm	270x1170mm
595x595mm	570x570mm	595x1195mm	570x1170mm

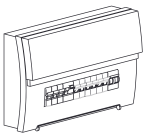
Clips should be purchased separately as an accesory



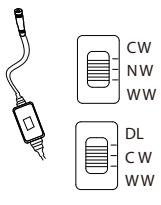
Installation Procedure

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

For color changeable model(controlled by Slide Switch in lamp), please select light color before installation,see below picture.

choose color by slide switch with corresponding color temperature.