



STRING LIGHTS
OUTDOOR

Electrical Requirement Guidelines Bioclimatic Pergolas

Electrical Requirement Guidelines for Bioclimatic Pergolas

To connect our **Bioclimatic Pergola** to the electric cable (as seen in the link below) we require:

FLEXIBLE CABLE 3-CORE 2.5MM² WHITE | [Link](#)

(Please note this is a guidance link only. The cable colour will be determined by the customer. The cable measurement will be advised by your electrician, therefore the price will be based on measurement.)



(This is what we require from the electrician, so once we come to install the product it should be ready for us to connect. Please note this is a guidance link only. The waterproof switch will be determined by the customer.)

The number of required outlets can be easily calculated:

1

SCENARIO 1: PERGOLA ON ITS OWN



All images used are for illustrative purposes only. These and the dimensions given are illustrative for this model, individual projects may differ from those shown. Please check with your Technician in respect of individual projects.

(x1) 13amp outlet is required for the motor of the pergola which can either be: (x1) BG Storm 13A Weather-proof Switched Fused Spur OR (x1) MK Masterseal Plus 13A 2 Gang Switched Socket.

2

SCENARIO 2: PERGOLA & 1 OPTIONAL ITEM

(Lighting / Heater / Motorised Blind / Guillotine Glazing System)



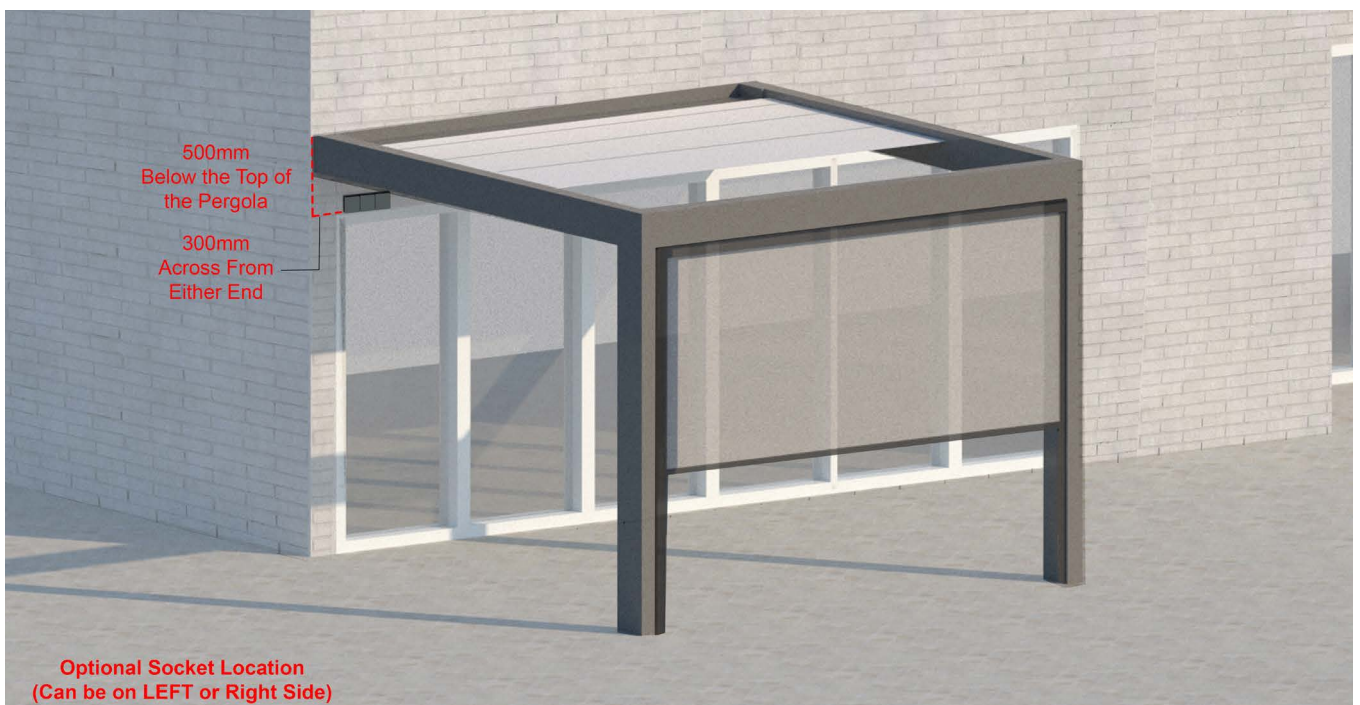
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(x2) 13amp outlets are required which can either be: (x2) BG Storm 13A Weather-proof Switched Fused Spur OR (x1) MK Masterseal Plus 13A 2 Gang Switched Socket.

3

SCENARIO 3: PERGOLA & 2 OPTIONAL ITEMS

(Lighting / Heater / Motorised Blind / Guillotine Glazing System)

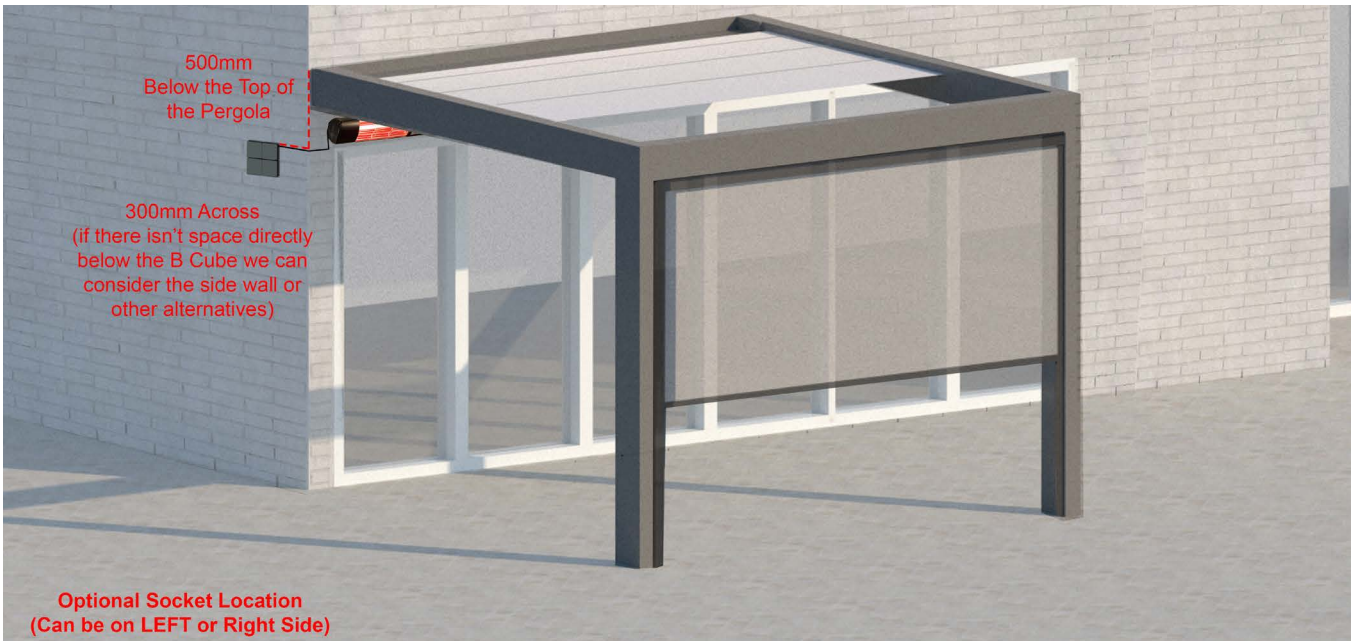


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(x3) 13amp outlets are required which can either be: (x3) BG Storm 13A Weather-proof Switched Fused Spur OR (x2) MK Masterseal Plus 13A 2 Gang Switched Socket.

4

SCENARIO 4: PERGOLA & 3+ OPTIONAL ITEMS (Lighting / Heater / Motorised Blind / Guillotine Glazing System)



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(x4) 13amp outlets are required which can either be: (x4) BG Storm 13A Weather-proof Switched Fused Spur OR (x2) MK Masterseal Plus 13A 2 Gang Switched Socket.

Each piece of equipment, or an additional optional item such as heaters would require an additional 13 amp outlet as per [link](#). As can be seen from diagrams above we can connect the electrics to either the left or the right hand side. Please refer to the diagram for advised socket location. This should be placed approximately 500mm below the top of the pergola, and 300mm from either side of the wall.

IMPORTANT

- Please make sure the power supply isn't coming off the lighting circuit. It should ideally be a separate supply of the consumer unit or at least off the main power ring.
- We recommend a separate dedicated supply for the outdoor installations. **Seek advice from an approved electrician.*
- The power outlets **must** be RCD protected as they are placed outdoors.
- Your electrician must check the supply of electrical connections, and you must show our team a valid installation certificate for the outlets the pergola will be connected to completed by a qualified electrician prior to our team coming to install your pergola.
- If your project has more than 3 heaters, the heaters may require a separate supply from the consumer unit, or you would have to supply a power outlet capable of carrying them.
- If the project has more than one heater, and therefore they would need to be placed further away from the power supply, the client would have to organise connections to the power outlet after installation of heaters.
- The voltage supply must be within standards of 207-253V. If your supply is outside of this you would need to install a voltage stabiliser.
- Heater(s) must be placed at least 2100mm above ground and 500mm away from any pergolas.
- If a heater doesn't have a remote control, an on/off switch may be installed by a certified electrician which must be max 1200mm above ground (for disabled access).
- The socket for any heaters must be placed separately from the socket of the pergola - preferably within 300/500mm of the heater.

Project Specific Electrical Requirements

DISCLAIMER

In the case of failure to comply with above outlined standards, our installation team reserves the right to refuse installation or delay installation until standards have been met to ensure the safety of our installation team as well as your site and the product. If the product motor fails due to failure to meet standards this will void the warranty. String Lights Outdoor does not take commitment in providing electrical connections, therefore any fault in the electrics will be the responsibility of the customer. All images provided are indicative only and must be checked by an approved electrician.

Customer Reference Number	#
Customer Name & Surname	
Installation Address	

Equipment	Description	Voltage (V) Rated Power (W)	Outlet Supply	Tick If Applicable	Quantity
Bioclimatic Pergola	ALTUS 60 RTS 120/12	230V / 400W	13A		
Led Lights	Warm Light IP65	24V / 14,6W/m	13A		
RGB Lights	RGB Including White IP65	24V / 17,2W/m	13A		
Integrated Speaker Module	N/A	N/A	13A		
2kW Heater (String Lights Outdoor)	AQUA 2kW GSA20 / SOLAMAGIC S1 / S3 / D3 IO IR 05070	230V / 2000W	13A		
4kW Heater	SUPRA PLUS 4kW GSS40	230V / 4000W	25A		
Motorised Blind System	SOMFY BOOST 15 RTS KIT	230V / 240W	13A		
Guillotine Glazing System	ALTUS 60 RTS 120 / 12	230V / 400W	13A		

Total number of equipments for this project	
Total number of outlets required	
Total load (current in W)	

(To be completed by operator) / The table above is for guidance only. Refer to your approved electrician.

I confirm that I have read all above points and will prepare the electrical connections for the installation team to meet the outlined requirements. I understand that if these requirements are not met, the team withhold the rights to return for installation on another date and I will be responsible to reimburse any extra costs caused due to the team being unable to carry out the installation on the original date, to be paid before the second attempt for installation.

Full Name	
Signed	
Date	

(To be completed by customer)