

ASME Hong Kong Section Student Design Competition 2024

Harvesting the Sun and Wind

Questions and Answers (Dated 9 February 2024)

1. In Rule 3, it is mentioned that the height of lamp stand can be adjusted. Does it mean that each team can adjust the height to suit their needs, e.g., 300mm above the ground?

Reply: Each team can adjust the height of lamp stand to suit their needs. It is suggested to use the following lamp stand (or a similar one) in the setup. For the following configuration,

- The size of AI profile is 40mm X 40mm.
- The distance from the lamp to the ground is 450mm. This distance is adjustable. It can be reduced from 450mm to 250mm, or increased from 450mm to 650mm, i.e., the range the distance varies from 250mm to 650mm.
- A total of 8 screws are used to adjust the height of lamp stand.

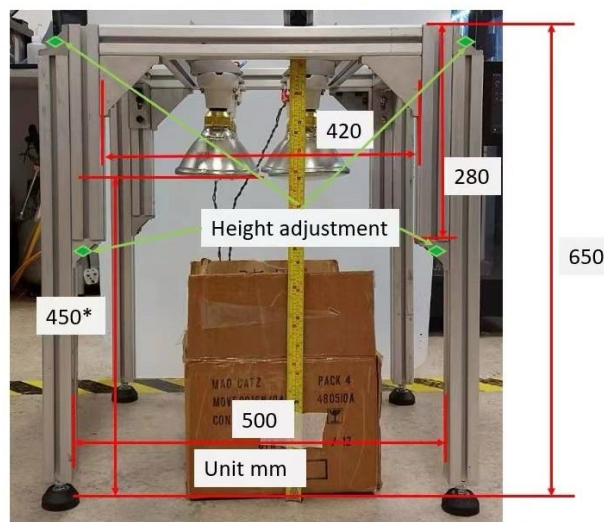


Figure: ASME Lamp standard.

2. In Rule 15, what is the type of testing area surface? Can it be confirmed now?

Reply: Unless otherwise announced on or before 20 March 2024, the venue for competition will be at the Purple Zone, 4/F podium, City University of Hong Kong. A picture of the ground condition is shown below. All intended participants are welcome to visit the venue.



Figure: Purple Zone, 4/F podium, City University of Hong Kong

3. In Rule 6, additional batteries may be used to control the movement of the device, not for propelling. Does it mean that any kind of batteries can be used, not just AAA battery?
Reply: Only AAA battery supplied can be used.
4. Does the energy used for automatically unloading need to be collected?
Reply: Any form of energy for unloading is acceptable, whether or not it comes from energy collected or from the AAA battery.
5. Should the energy required to receive remote control signals be collected? (Not for the remote controller).
Reply: No condition, any form of energy is allowed.