



SUPER BLOOM
A series of photovoltaic panels. The sun is a precious energy resource and in this sprawling city in Masdar City we are farming the resource and distributing it to the city with each flower.

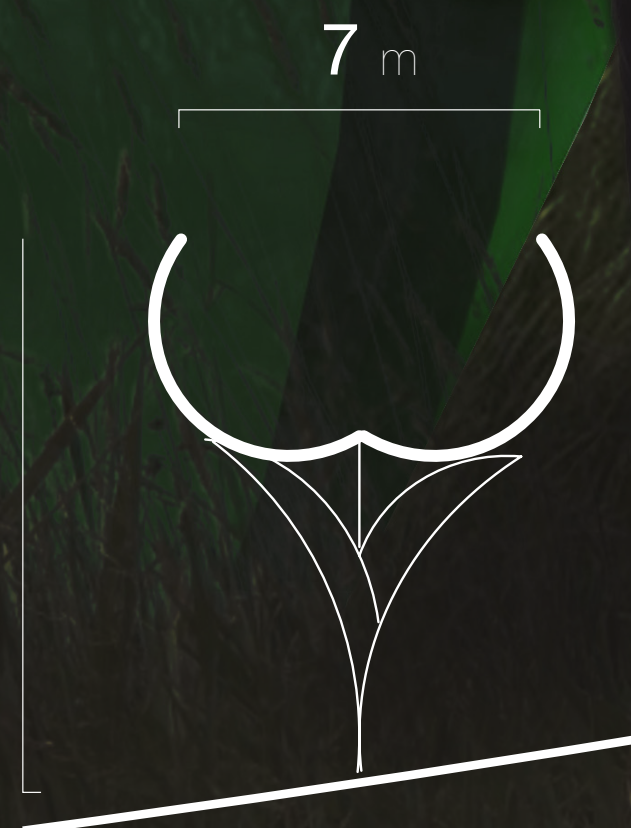
Each flower is composed of 2 flower petals. SUPER BLOOM consists of 214 flowers for a total of 428 petals of surface area for photovoltaic panels.

There are 4 solar panels per petal for a total of 17 solar panels on each flower for a total of 2,596 solar panels.

These petals open during the day to capture the energy of the sun, then slowly begin to close at the end of the day to protect itself from the environmental conditions during the night while the energy it has collected goes to the battery bank located in the central lightbulb. SUPER BLOOM can be seen from the surrounding area.

DAY

These petals open during the day to capture the energy of the sun, then store it below. They also create shade under the hot sun providing a park that can be used throughout the year that is significantly cooler than the surrounding suburban area.



NIGHT

At sunset, the petals slowly begin to close to protect themselves from the surrounding environment throughout the night. The central lightbulb of each flower will continuously glow from sunset to sunrise to provide light, and will turn off if there is improper functioning of the panels.

