

FUNCTION DESIGN



### Function Clarification



According to the research in the last chapter, the keys of grow succulent plants are sunlight, watering, temperature and protection.









WATERING

SUNLIGHT

**TEMPERATURE** 

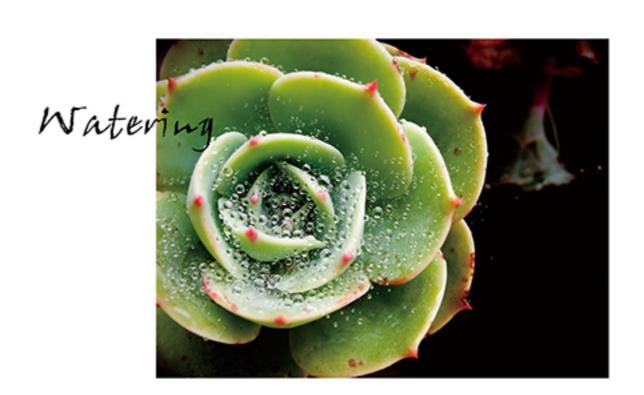
**PROTECTION** 

# Water of Succulent

All the succulent plants has period of dormancy, some in the summer and the other in the winter. The water demand in growing period is:

65% ~ 75% RH











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According to the tesearch, the sun is very important for succulent, if the sun is not enough the plant will grow higher to get more photosynthesis. And become ugly. And a lot people put their plants on their desk where is lack of sunshine. So the supplementary lighting source is necessary.

The best lighting for the succulent is:



5~7 hours a day
5~7 hours a day
30000 ~ 60000 lux

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Temperature for Succulent

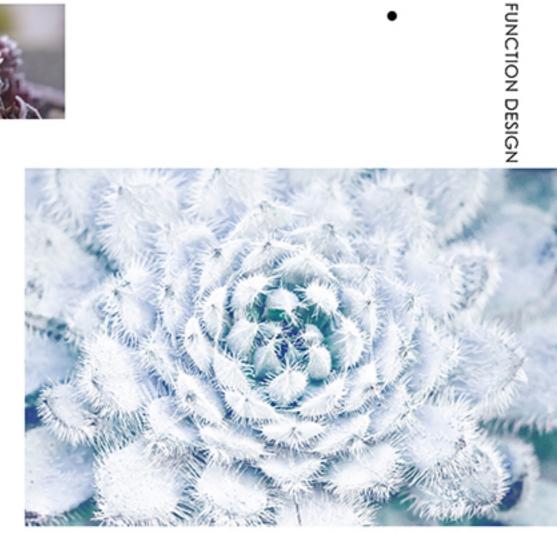
Temperature is very important for succulent. If the temperature is too hot or too cold the succulent will stop grow even died. So the perfect temperature for succulent is:



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18 ~ 28°C at daytime

10 ~ 18°C at night









Because the succulent often be put on the desk, so if the grower will broke the leaf by accident. Or if the plant be put on the balcony, birds and bugs will eat it. So that, the succulent need a protective cover.



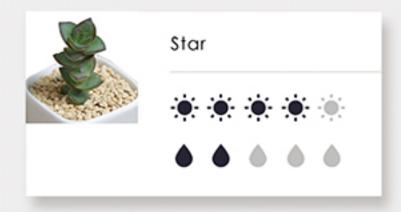


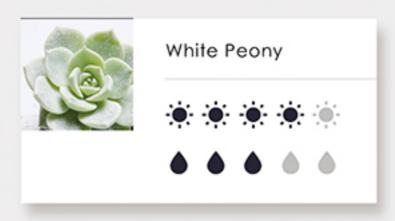
And sometimes, the grower want to touch and observe their plant closely to know the health condition of the succulent. So the protection cover need to be removable.

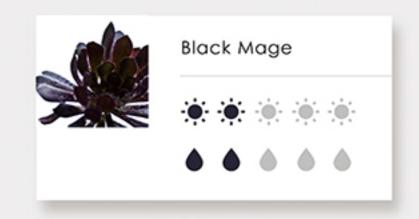


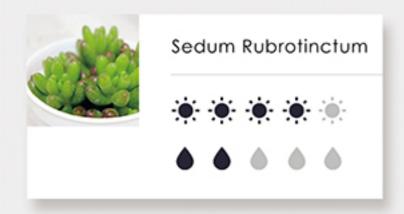


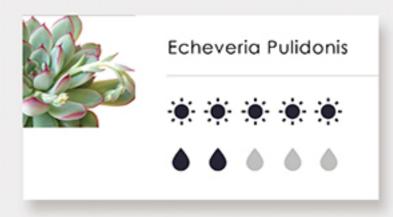




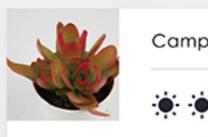






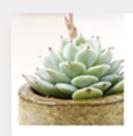






#### Campfire





#### Silent Night





#### Baby Beaar





#### Echeveria Secunda





#### Lilacina





#### Astridia Velutina





Rabbit Ear





Sedum Adolphii





#### Gyokuro





## FUNCTION DESIGN

## Function Setting



After these research, considering the need of target user and the babits of succulent plants, the function is designed.





Automatic watering plants.



**SUNLIGHT** 

Simulate the sunlight.



**TEMPERATURE** 

Control the temperature.



**PROTECTION** 

Detachable protective cover.