

Plant requirements

Everything a plant needs during it's grow cycle!

- Iceberg Lettuce (Lactuca Savita)

Iceberg Lettuce (*Lactuca Savita*)

Seed types

- Danilo (bought at Hornbach)

Plant requirements

Germination phase

- Germination temperature: 20 - 24 degC
- Germination: 7 - 10 days
- Make sure you keep germinating seeds in cooler temperatures. Gradually adjust them to warmer temperatures before transplanting them to your hydroponic system

Seedling phase

- Seedlings: 100 $\mu\text{mol}/\text{m}^2/\text{s}$ (PPFD)
- Seedlings lighting interval: 18 hours
- Seedling development: 2 - 3 weeks

Transplanting phase

- Use similar conditions during transplanting (temp, light)
- Transplanting: >3 - 4 true leaves + grown to 5 - 8 cm tall + long enough roots

Mature phase

- Vegetative/Mature Stages: 200-300 $\mu\text{mol}/\text{m}^2/\text{s}$ (PPFD)

- Mature stage: 12-16 hours of light per day, with 8-12 hours of darkness
- Sowing to harvest: 7 - 10 weeks

General requirements

- Light height: 8 - 12 inch (20 - 30 cm)
- DLI of 11.5 mol/m²/day
- Best grow temperature: 10 - 21 degC
- Bolting above: 21-24 degC!
- Nutrient Root Zone Temperature: 15 - 21 degC
- Nutrient volume: 4 - 6 liter
- pH range: 5.5 - 6.5
- EC range: 0.8 - 1.2 mS/cm
- Nutrients: Plenty of nitrogen (N), some phosphorus (P), but not much potassium (K)