Dutch Lighting™
Innovations

DLI UV 150W Fixture

This is a 150W UV fixture fitted with the #FLOWERSONLY reflector for superior light spread throughout your crop.
This technology is special because it's the only lightfixture for plantgrowth that contains UV-A, UV-B and UV-C.

UV light improves the quality of your crop.
Ultraviolet light (UV-light) is a type of radiation that is emitted by the sun.
When growing indoor, we try to mimic the sunlight with either HPS or LED fixtures, but HPS and LED fixtures do not emit UV-light.
For this reason, DLI have developed a fixture that emits pure UV-A, UV-B and UV-C light.

Benefits of UV during veg-stage (growing-stage):
During the growth-stage of the plant, UV-light is essential. This part of the light spectrum promotes prevents your plant from stretching in order to create shorter internodes, so a shorter and bushier plant. It also triggers the plants development of the rootzone because energy is not used excessively for vertical growth.

Benefits of UV during flowering stage:
During the flowering stage of the plant, UV-light is even more important. As with humans, UV radiation can be harmful for plants. Where the human skin can be protected by using sunscreen, plants will produce their own sunscreen to protect themselves from the potentially harmful UV radiation. When exposed to UV radiation, the plant will be triggered to produce more oils that act as a natural sunscreen. This is done in the form of extra trichome production. Plants that are not exposed to UV radiation, which is the case in most indoor growing environments, will not receive this additional stimulus.

Our technology includes UV-C:
UV-C protects your crops against fungi, bacterial diseases like Xanthomonas and Erwinia, mold diseases like mildew and botrytis, and viruses. UV-C is deadly for diseases. UV-C also reduces the chance of diseases developing before storage and drying.

UV-C also helps to reduce population sizes of common insects:

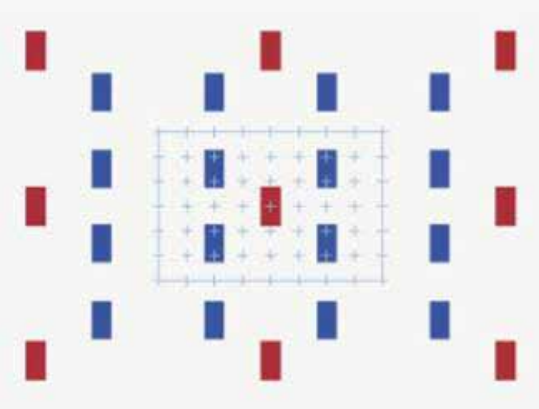
- White flies
- Spider mites (other types of mites)
- Thrips & other small insects

Key features:

- Shorter internodes
- Higher production of Trichomes
- Increased THC concentration
- Increased weight due to increased trichome production
- Increased Terpene content and flavonoids
- Decreased fungal pathogen growth
- Increased development of the rootzone
- Decrease of bacteria and mold diseases
- Decrease of insect (pests) populations

How to use the DLI 150W UV-Fixtures:

The fixture can be used in combination with both HPS and/or LED.
The ideal situation is to use 1 x UV-150W on every 4 HPS fixtures or 4 LED fixtures as shown below.
The UV fixtures need to be used for 2 to 4 hours a day during the lighting cycle.



Red = UV Blue = HPS or LED

Lifespan of the UV-Lightbulp

DLI 150W UV is supplemental lighting and is only used for 2 to 4 hours per day.
Which is 250 hours per growing cycle. In this fixture, 65% output of the lamp is reached after 3000 hours.
That means, the UV-lamp will work efficiently for 12 growing cycles. After that you can re-lamp the UV fixture with a new light-bulp, instead of changing the entire fixture.

Final Thought

Nobody has UV-C in their LED product. See above the benefits of UV-C!
Our technology can't be compared with just UV-A and UV-B