

FDP
WHOLESALE

solacure

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FLOWER POWER UVR8 LAMP

INSTRUCTIONS

280-320NM

PART NO: 06296 / 06280

UVB

UVR8

Thanks for purchasing Solacure lamps.

Please read this leaflet carefully to familiarise yourself with the products installation and safety and handling instructions.

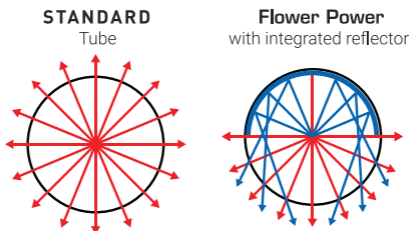
For best results use with our **Solacure Fixtures for Flower Power UVR8 Lamps.**

WHAT TO EXPECT FROM OUR LAMPS:

- Increase production of unique plant compounds from between 20% - 35%, with many growers reporting increases of 35%+. Our patented technology makes this possible through the stimulation of the UVR8 protein, which is triggered by UVB radiation at 288nm. This, in turn, stimulates plants to produce more compounds to protect itself from the increased UVB.
- Kill or suppress Powdery Mildew. Our lamps are proven to help eliminate PM and other moulds which cannot live in a high UV environment. They are not a substitute for good sanitation, but provide extra insurance that PM won't sneak up on you.
- Kill or suppress insects. The 66% UVA portion of our lamps is modelled after the sun, but is more intense. In a growroom, where there is nowhere to hide, insect populations will drastically reduce before they multiply.
- More compact, denser flowers and less 'legginess' during flowering. High UVB exposure reduces how much taller plants get during flowering, as the plant converts energy from growing taller stems into producing more unique plant compounds.

BUILT IN REFLECTORS

Solacure lamps are R-UV lamps. The 'R' stands for 'Reflector' because the lamps have reflectors built inside the tube. R-UV lamps increase the total UV output of the lamp and mean you don't need your own reflectors.



SETTING UP

1. **Make sure fixture is disconnected from mains supply before installing/replacing lamp**
2. Allow operational lamps to cool for 15mins prior to handling.
3. Insert lamp into fixture by locating lamp pins inside holder and twisting lamp to lock in place. Push lamp holders back towards lamp to complete installation. Make sure the logo on the lamp is facing your plants. **Failure to do this means the built in reflector will block all UVB from reaching your plants!!**

HOW TO USE

The exact UVB exposure time will depend on the strain of plant you are growing, the power output to the fixture, and the distance between the lamps and canopy. Some experimentation will be required for you to find the perfect amount of UVB for best results. Solacure recommend starting with 2 hours a day, split into 1hr intervals, to give the plants a chance to recover from each exposure and to start to harden to the increased UVB.

Increase exposure by 15min every two days. Check your plants regularly for any signs of burning on the leaf tips. Tiny amounts of damage on sugar leaves is ok, but the damage should not be too pronounced. When you see a little burn on the sugar leaves, reduce exposure by 30mins per day. You've found your perfect exposure time!

In close quarter setups, such as grow tents, this could be anywhere from 2 – 6hrs per day, or 12hrs in a greenhouse environment. For the stimulation of unique plant compounds, lamps are used throughout the entire flowering period from the first day you switch lights to 12/12. For suppression of moulds, mildew and pests, some growers will start to use lamps after plants are one month old.

LAMP LIFE SPAN

For the stimulation of the UVR8 protein, it is essential lamps are replaced after 3 flowering seasons of 2 month each. This is irrespective of whether the lamps are run continuously or cycled during this time frame. For suppression of moulds, mildew and pests, lamps can be operated until they fail to burn, approximately 3000-4000 hours.

TIP: Use old, spent lamps in vegetative rooms for two hours a day, for sanitation, mildew and insect control, and to have the plants hardened to high UVB ready for going to flower.

SAFETY ADVICE

⚠ DANGER ULTRAVIOLET RADIATION

You are at risk if you work near energised lamps.

THIS INCLUDES YOUR EYES. You should wear sunscreen and eye protection rated for 100% blockage of UVA and UVB and avoid exposure by switching lamps off prior to entering the room, when possible. There is serious risk of skin cancer and eye damage if you do not follow safety protocols.

- Read all instructions carefully and keep in a safe place for future reference.
- If in doubt about the installation of this item, please seek the advice of a professional electrician.
- Keep this product and its components away from water and never handle with wet or damp hands.
- Never use this product outdoors.
- Keep product away from children.
- Never use this product if there is any cracks or sign of damage to the glass or lamp ends.
- Always switch power off at the mains supply before inserting lamp into fixture.
- Allow lamp to cool for at least 15 minutes before handling.

⚠ GLASS HANDLE WITH CARE

SPECIFICATION

FR40T12 / FR1MT12 / HO multi-wattage, multi-peak
UVB/UVA horticultural lamp.

- Flower Power UVR8 Lamp 280-320nm 1200mm
(Commercial Applications, Rooms or Grow Tents 1.5 x 1.5m)

- Flower Power UVR8 Lamp 280-320nm 1000mm
(Grow Tents 1.2 x 1.2m)

Wattage: 32-40 watts standard
[Can be run as high as 80w for special applications]

Colour: white to violet

Colour Temperature: >10,000K

Dimension: 4ft x 1.5 inches (1200mm x 38mm)

..... 3ft x 1.5 inches (1000mm x 38mm)

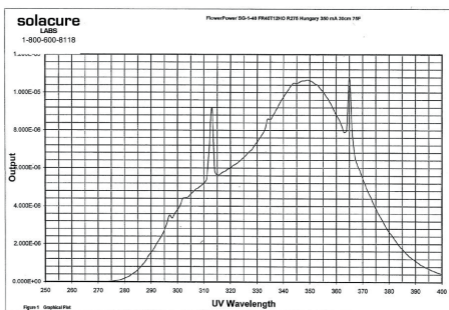
[Use with Solacure Fixture for Flower Power UVR8 Lamp]

Reflector: Built inside the Lamp
[No external reflector needed]

UVA/B: 5x the power of the SG-1 and Universal UV
[About 20 to 50x the power of reptile lights]

UVA/B rating: Equivalent to a 30% UVB lamp
[We do this in very different frequencies, so they don't equate]

Life: 1000 hours at 70% of original power



WARRANTY

Lamps are guaranteed against failure (no light) for 30 days from the date of purchase or delivery.

The warranty will only be considered as valid providing the following criteria are met:

- The product must be returned to the original retailer by the original purchaser alongside the original proof of purchase
- The unit has not been opened, modified or tampered with in any way.
- The product has not been damaged by inappropriate maintenance or misuse.
- The manufacturer shall not be held responsible for any damage caused by the operation of the unit, be it incidental or consequential or any type including, without limitation, damage or injury caused to other products or machinery or buildings. Nor will responsibility be accepted for loss of time or profit, loss of finished product, or for any inconvenience caused in any way whatsoever.
- To obtain warranty services please return the product to the place of purchase according to the retailer's policy on returns issues.

UVB

UVR8

solacure

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