Productsheet: Sunlamp

Q-line ® Sunlamp

UV Lamps

Most Stabled horses don't come into contact with direct sunlight very often. The lack of exposure to sunlight can lead to a disorder referred to as vegetative dystony This disorder cause heightened sensitivity, quick fatigue and an overall drop in performance.

The UV lamps in Q-line® Solaria can effectively counter this and provide your horses with a healthy burst of sunlight.

Why is sunlight so important

Our daily routine does not leave us much time to make proper use of the benefits of sunlight: its vital, health preserving radiation.
The ever increasing industrialization has forced us to restrain our activities to enclosed rooms into which the sunlight can enter only trough filters or not at all. This affects not only human being but also the horses, since the blanket of smog which spreading in an alarming way over our cities and industrial areas, absorbs the most important rays of sunlight.
The lack of sunlight leads among others to medical disorders which are generally known as "vegetative dystony". Its symptoms are increased sensitiveness, less endurance, decreased efficiency and higher susceptibility to inflectional diseases.

What has Q-line to offer?

Q-line can offer a specially developed sunlamp which since decades has proved itself over and over again as a reliable "substitute sun" which is always available: the Ultra Vitalux sunlamp for use in horse solaria.

Q-line Sunlamp

The Ultra Vitalux sunlamp consists of a quartz burner and a tungsten filament which are blended in such a way that, in combination with the special glass bulb and its interior reflector, a radiation is emitted the effect of which is practically the same as the radiation of the natural sun.

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Biological effects

Over the years it has been the general conclusion that the combined effects of ultraviolet + light + infrared(=heat) as emitted by the sun is of special importance for ray-treatment and that the radiation effect is not confined to the skin which is first and foremost exposed but that other areas of the body which do not receive direct radiation can also be reached. During the last 20 years many medical publications have been published on the subject of the biological effects of the Ultra-Vitalux sunlamp. The following interesting points were observed

1. The regulative effect on the vegetative nervous system and increased elasticity and reaction of the redox-system. For the organism this means preservation or even increase of the resilience and efficiency. This biological effect can be compared with the effect of sportive training but not with the stimulating effect of for instance coffien.
2. improved capability to recover from strenuous work or illness.
3. prevention of inflectional diseases on account of the bactericidal effects.
4. reactivation of active substances , raising or regulation of the calcium level.
5. improved blood circulation of the skin which becomes more elastic and smoother
6. Excellent results in the treatment of furuncles etc

How to use the sunlamp

Medicines which as side-effect increases the UV sensitiveness should be discontinued: in cases of doubt please ask your veterinarian. During exposure it will be sufficient to close the eyes and if necessary to vover them with a cotton wool. For treatment of diseases the exposures should be carried out only under medical supervision.

Exposure plan

Exposure plan with distance between sunlamp and horse of 50-75 cm. if the distance between sunlamp and horse is approx. 50cm the biological effect is approx. 6-7 times greater than that of normal sunlight. For a normally reacting type erythema (reddening of the skin) is reached after approx. 3 minutes exposure time. The same effect could be reached after 35 minutes exposure too sunlight at noon on a mid-summer day.

Day	1.	2.	3. + 4.	5.	6.	7. + 8.	9. + 10.	11. – 14.
Exposure time	3	4	6	7	-	9	11	14 minuten
Do not expose again until after an interval of at least 4 weeks								

Directions for use of the sunlamp.

Screw the lamp into the unit and connect to mains supply. After switching the lamp on, wait about 2 minutes before use. After use, allow the lamp to cool down for 2 to 3 minutes before switching on again. The distance between lamp and person during exposure should be al least 50cm. During exposure it is sufficient to close the eyes and if necessary cover them.