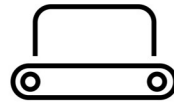


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IRRIGATION



TREADMILL



SAFETY WALL

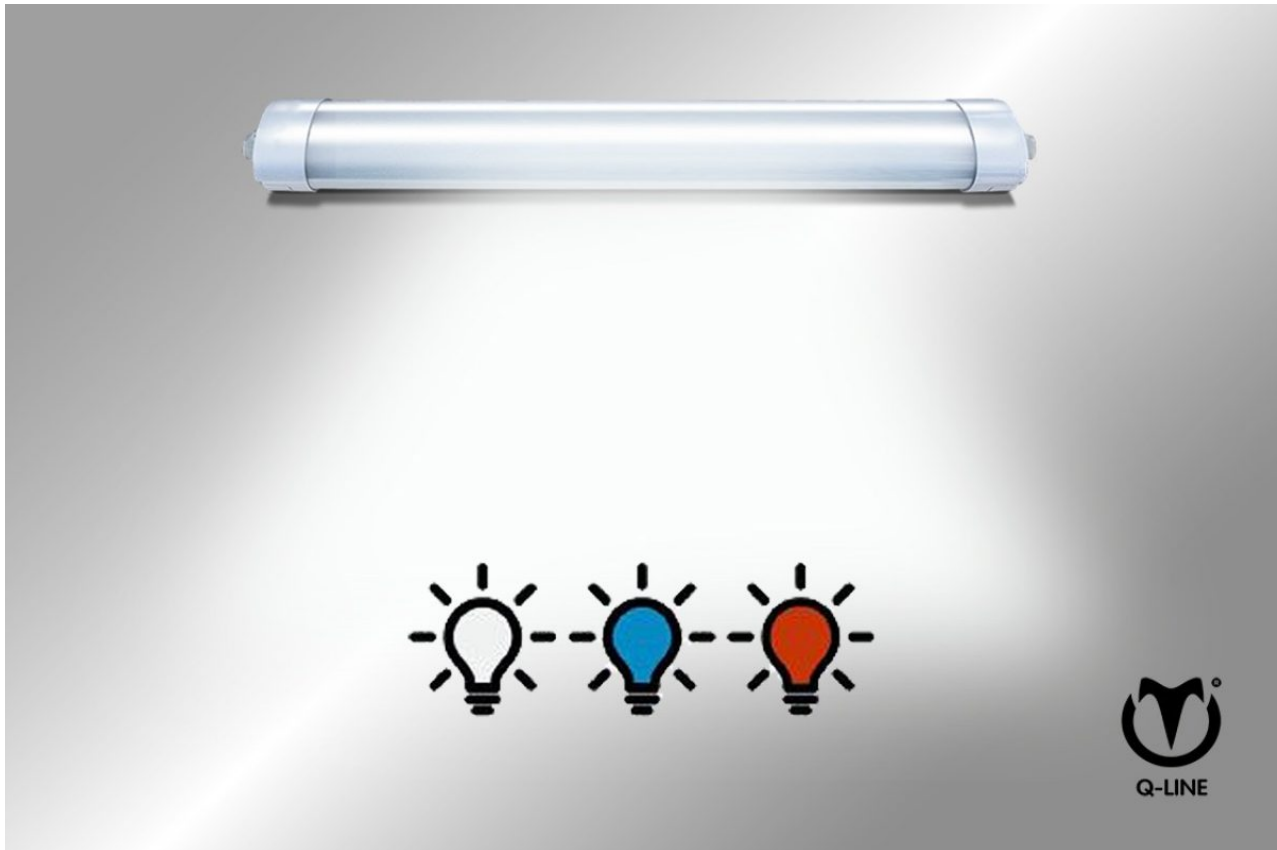


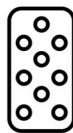
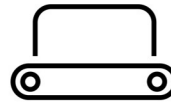
WALKER

## Horselight

Blue / White / Red

HorseLight Sublime lamp / Article no. 35-1-00-00020



**SOLARIUM****IRRIGATION****TREADMILL****SAFETY WALL****WALKER****Not just a stable light, this is equine light therapy.**

HorseLight is an equine blue light therapy system that has been developed to enhance performance and breeding for all horses. This unique type of stable lighting system delivers the health benefits of summer daylight to indoor stabling.

Each light delivers the correct amount of high intensity white and blue spectrums that have been proven to positively impact the horse's body clock (circadian rhythm). This cannot be achieved by standard LED or fluorescent lighting.

Our easy to install, cost effective systems are suitable for a single stable or for a large professional yard.

Our Single Stable DIY kit comes complete with stable light, controller, cabling and plug.

For more than one stable you can purchase individual HorseLight stable lights and run them all from one controller.

Horse health and performance is simple with HorseLight

HorseLight is a whole new concept delivering equine health, well-being and performance at the flick of a light switch. Illuminate your horse all year round and see the amazing results.

Scientifically proven lighting therapy

**Suitable for all horses**

As owners we all want the best for our horses. Whether you are a racing trainer, professional rider, breeder or leisure rider, the health, happiness and well-being of our horses is a must for them to perform at whatever level or discipline

The horse's body, like many mammals, prefers the summer months.

They put and keep on body condition, their coat and skin glows, they have the high amounts of Vitamin D required to help the body's internal processes, they are much happier and they decide it's time to breed!

Studies have shown that HorseLight optimise the biological performance of all horses and ponies including:

- Enhanced health & well-being
- Improved sports performance
- Faster recovery times
- Improved breeding
- Reducing pathogens in the stable
- ?- Reduced electricity costs compared to standard florescent lighting

**Duration of exposure**

The natural circadian rhythm

In the northern hemisphere the daylight hours vary greatly between the summer months and the winter. For example in December we have 8 hours of daylight and 16 hours of darkness. March to September there is equal day and night (Equinox). June has the longest day (summer solstice).

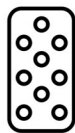
**The physiology of melatonin control**

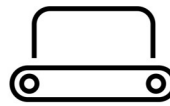
Using specific blue light with correct lux and duration

Light enters through the retina of the eye and suppresses the release of Melatonin from the pineal glands, thus allowing the resumption of hormones to be released from the hypothalamus of the brain.

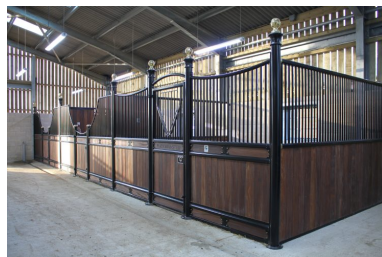
**Why you should invest in horselight**Modern management methods mean that horses can spend a large proportion of the twenty four hour period in their stable with no exposure to daylight and many are disrupted by illumination at night. This system negatively impacts the horse's circadian rhythm (body clock) and can result in lack of appetite and poor performance, impaired growth and diminished immune response.

- ✓ Shiny coat
- ✓ Improved alertness
- ✓ Prolongs summer condition
- ✓ Fewer stable bacteria
- ✓ Improved health and well-being
- ✓ Improved sports performance
- ✓ Faster recovery times
- ✓ Improved breeding
- ✓ 5-year warranty


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## Features

### Horselight Sublime

Electrician required.

Features the unique HorseLight blue and white LED daylight therapy and a red night light designed for observation and rest/recuperation time for the horse.

Suitable for a 4m x 4m stable size.

Designed to be used in conjunction with HorseLight Controller which will automatically switch the daylight lights on according to the pre-programmed seasonal and day timer and automatically switch over to red lights at night.

### Natuurlijke Fokkerij

Paarden hebben een natuurlijk fokseizoen dat zich uitstrekt van april tot september op het noordelijk halfrond, een periode die samengaat met langere daglengte, grasgroei en zachter weer. Het noordelijk halfrond specificeert een universele geboortedatum voor paarden van 1 januari. Fokkers willen daarom veulens die vroeg in het jaar geboren zijn, om meer volwassen jaarlingen te produceren en 2-jarige paarden klaar te maken voor de races.

Studies tonen aan dat de jaarlijkse inkomsten aanzienlijk hoger zijn voor paarden die geboren zijn in januari-februari dan voor die geboren in april-juni. Om hun paarden in het bijzonder in de races te maximaliseren, is het gebruikelijk om de reproductief actieve periode van de merries te manipuleren, om aan de officiële startdatum van het dekseizoen op 15 februari te voldoen.

Een kunstmatige fotoperiode van 16 uur licht: 8 uur donker. Deze vorm van lichttherapie kan het dekseizoen (cycli van de merrie) met wel 3 maanden vervroegen. Dit kan worden bereikt door lichttherapie te starten op 1 december. Het is nu gebruikelijk om de daglengte gedurende 8-10 weken vanaf deze datum te verlengen door merries bloot te stellen aan kunstmatig licht gedurende 16 uur, eindigend om 23.00 uur, gevolgd door 8 uur duisternis of gebruik van licht dat melatonine niet onderdrukt (rood licht). Een natuurlijke dageraad kan dan plaatsvinden tijdens de meest gevoelige fase van de 24-uurscyclus.

### Natural Breeding

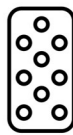
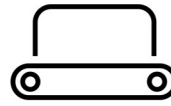
Horses have a natural breeding season that extends from April to September in the northern hemisphere, a time coinciding with longer day length, grass growth and milder weather. The northern hemisphere specifies a universal birthday for horses of 1st January. Breeders therefore desire foals born early in the year to produce more mature yearlings and ready to race 2-year-old horses.

Studies show that annual earnings are significantly higher for horses born in January–February than for those born in April–June. For breeders to maximize their horses potential in racing in particular, it is common place to manipulate the mares' reproductively active period, to meet the official start date of the breeding season on 15th February.

An artificial photoperiod of 16 hours light: 8 hours dark. This kind of Light Therapy can advance the breeding season (cycling of the mare) by as much as 3 months. This can be done by starting light therapy on 1st December. It is now commonplace to extend day length for 8–10 weeks from this date by exposing mares to artificial light for 16 hours, ending at 23.00 hours, followed by 8 hours of darkness or using non melatonin suppressing light (Red Light). A natural dawn can then occur during the most sensitive phase of the 24 hour cycle.

### Natural Light

Research has shown that the hours of daylight are the major factor controlling the mare's reproductive function, the

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hormone melatonin is produced during the hours of darkness and is the primary regulator of the mare's breeding cycle. As the days lengthen in spring, melatonin production decreases signaling the approach of the breeding season. We know now that Blue light within the short-wavelength spectrum (465–485 nm) is most effective at inhibiting melatonin. Melanopsin is particularly sensitive to short wavelength, blue light. This is most effectively done with an optimized stable light.

A common side effect of early foaling is longer gestation periods and lower birth weights. Using light therapy has also shown to improve the birth weight and shorten the gestation period by up to 10 days in mares with early foaling dates. Gestation periods and foaling dates which are more regular can also shorten the period of time the mare has to be kept under supervision before foaling. This has a direct benefit to the breeder.

- Mares come into season earlier with stronger signals and have a more reliable ovulation pattern
- Stallions display an earlier reproductive capacity
- ?-Competition mares who are embryo transfer candidates will benefit from an earlier breeding season
- ?-Can help with producing earlier foals
- ?-Red night light acts as an observation light during foaling

By installing HorseLight you can be assured that your horse will gain from the huge range of health benefits that this unique light offers.

#### **Improved food conversion leading to increased condition and muscle mass**

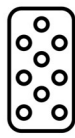
Owners have reported having to feed less hard feed as the uptake in nutrients is significantly higher than that of horses stabled without HorseLight. A saving on feed bills.

#### **?Improved vitamin D and Calcium absorption**

Horses get their much-needed Vitamin D which is essential for calcium absorption through their skin. Stabled horses during the summer miss out on this vital sunshine ingredient which can lead to tying up, skin and coat conditions and many other health implications.

?Summer coat extending well into late autumn

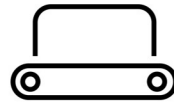
A less dense winter coat, means less clipping is needed.



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## Standard options



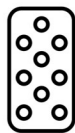
Horse Light Controller 500W



Horse Light Controller 1200W



Horse Light Controller 3600W

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## Specifications

<b>Power supply</b>	230V 50Hz
<b>nr of horses</b>	stable 4x4 mtr
<b>Fuse with</b>	16 A
<b>Ampere</b>	0,3 A
<b>Basic material</b>	Polycarbonate
<b>Width</b>	115 mm
<b>Thickness</b>	77 mm
<b>IP rating</b>	IP 65
<b>Cable length</b>	6 meters between lamp and control
<b>Quality mark</b>	TUV/SAA/CE&RoHS
<b>Colour</b>	white
<b>Length</b>	120cm / 4 ft
<b>Power cord</b>	2 meters with plug
<b>Power usage</b>	66 Watt 147Lm/W
<b>Suspension</b>	2x clamp/screws/clips
<b>Optional</b>	Control
<b>Other</b>	White / Blue / Red light
<b>Number of LED lamps</b>	1 X 66W/5W

## Contact details

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