

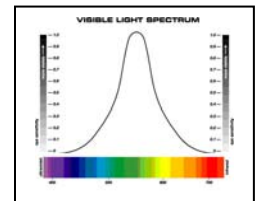


# Your Ultimate Breeding Solution!

**SAVE 85% ON POWER... 600% ON MAINTENANCE!**  
**EXCLUSIVE SEASONAL PERCEPTION MODIFICATION MAGNETIC INDUCTION**

Introducing a totally unique lighting technology featuring our exclusive **BRIGHT-TECH**® System that combines our **LUMEN-TEC**® spectral tuning with proprietary nano-particle reflectors to help bring mares into ovulation through seasonal perception modification. All-new Equine-Bright™ breeding lights use a targeted high-intensity spectrum that emphasizes wavelengths known to alter the reproductive cycle for horses. Equine-Bright™ breeding fixtures employ magnetic induction lighting (“MIL”) to provide these essential features:

- ◆ Full spectrum concentration in the equine visually perceptible range from 400nm to 700nm
- ◆ Daylight color temperatures representing hazy spring/summer sunlight
- ◆ High intensity diffused light to mimic outdoor environment
- ◆ No flicker, hum, or resonance
- ◆ Safe lighting intensity will not harm retina
- ◆ **No dispersed mercury, no hazardous materials handling**



Equine-Bright™ breeding technology is the first lighting using the known science of seasonal perception modification for horses, concentrating intensities in wavelengths that influence luteinizing hormone production to stimulate ovulation. Studies show that light levels between 10 and 13 foot candles is sufficient to maintain seasonal perception modification; however, this is based upon the spectral output of a standard 200-watt incandescent bulb that has significant concentration in the near infrared and infrared range. Better light means less guesswork and more consistent results. Enhancing the 420nm to 455nm range while truncating shorter wavelengths is more effective and safer. Consider these features:

FEATURES	Metal Halide	Halogen	LED	Equine-Bright™	Other MIL
100,000 hour life cycle (11 yrs @ 24hrs x 365 days)	No	No	No	<b>YES</b>	Yes
85% energy savings	< 30%	< 30%	Some	<b>YES</b>	Some
Equine-Bright™ Breeding Spectrum	No	No	No	<b>YES</b>	No
Proprietary Geometry	No	No	No	<b>YES</b>	No
Instant strike - no warm up or cool down	No	Yes	Yes	<b>YES</b>	Yes
Full Spectrum with CRI > .90	No	No	No	<b>YES</b>	Some
Color Temperatures up to 10,000K	No	No	No	<b>YES</b>	Some
Exceptionally high power factor > .98	No	No	No	<b>YES</b>	Some
Unparalleled Warranty 5 years 50K hrs	No	No	No	<b>YES</b>	Some
Fully recyclable, no special disposal	No	No	No	<b>YES</b>	Yes
<b>Lease Financing Available</b>	No	No	No	<b>YES</b>	No

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### **Energy Efficient –**

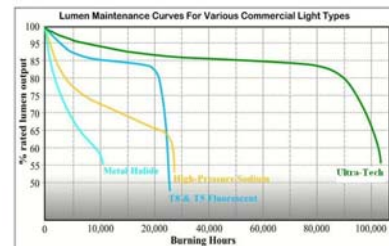
Equine-Bright™ lighting is up to 85% more efficient than traditional metal halide or halogen bulbs and more than 40% more efficient than conventional fluorescent T8 and T12 lamps. Equine-Bright™ will not disturb animals with excessive glare or flicker like LEDs. With Equine-Bright™ lighting, you reduce your electric bill and carbon footprint. An extra power-saving bonus comes from lower in-rush current – the electricity required to initially light the fixture.

### **Saves up to 600% on maintenance –**

Typical T8 and T12 fluorescent lamps have a bulb life of less than 10,000 hours while LEDs may last 20,000 hours. This means Equine-Bright™ fixtures last 1,000%... ten times longer than new fluorescents and 500% longer than most LEDs. When considering labor and inventory overhead associated with maintenance, overall savings average 600%. Equally important, *there is no dispersed mercury which means no special handling*. The solid amalgam slug is removable and recyclable.

### **Better Service Lifecycle –**

Equally important, Equine-Bright™ lighting retains more than 85% of its luminosity over the 100,000 hour lifecycle while T8/T5, T12, and LEDs rapidly deteriorate from the first moment they are installed and turned on. This means the performance you think you're getting from other vendors may be *far less* and not what you paid for! This is vitally important for academic settings where light quality and intensity is critical to the overall work environment.



Graph of lumen maintenance of lamp lifecycles

In addition, Equine-Bright™ lamps have no electrodes to burn out. This means they are not sensitive to on/off cycling and do not require a warm-up or cool-down between on and off. On/off cycles do not adversely affect lamp longevity as with other fixtures.

### **Financing Exclusively for Equine-Bright™ Projects –**

At a time when capital budgets are constrained, Ultra-Tech™ Lighting is pleased to introduce unique financing packages where the lease costs are likely to be covered by savings. This means your facility can begin saving from day one without capital allocations or dipping into reserve funds. Terms can be tailored to maximize net savings over lease payments.

### **Don't Wait! Act While Government and Power Utility Incentives are in Place! –**

Depending upon your lighting configurations and power utility, your facility may be entitled to special incentives that can be worth as much as 20% or more of the entire project cost. Government grants, utility rebates, and fungible tax incentives have never been better.

Call now for an evaluation.

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