

# ANNOUNCING **ULTRA-TECH™ LIGHTING**



## **A Totally New Approach to Roadway, Highway, and Lighting That saves 60% to 85% With Magnetic Induction Lights (MIL)**

Now there is a comprehensive lighting solution that provides maximum design flexibility with the most extraordinary power-savings and maintenance-savings in the world. Street-Bright™ fixtures employ unique **LUMENTEC®** spectral tuning that matches the light to the reflective properties of the road surface **and** a proprietary full diffusion nano-reflector to provide the highest levels of uniformity in Type 1 – V patterns. These critical features solve the complexities of roadway illumination that include:

- New Dark Sky compliance
- Extraordinarily high color rendition index (CRI) above 90
- No flicker/no strobe effect
- Instant strike – no warm-up or cool-down
- Full spectrum tuned to match blacktop or white-top surfaces
- Low maintenance/long life cycle exceeding 100,000 hours (11 years 365x24)
- Ultra high power efficiency with Power Factor > .95
- Easy-to-install retrofits and/or new lamping
- Low light loss factor (LLF) of less than 15% over lifecycle (low lumen depreciation factor LDF)
- IP66 rated models for longevity and high pressure cleaning
- Low wind profile
- Fully controllable

### **What Makes the Street-Bright™ System Different?**

Until now, most roadway lighting has been either metal halide (MH), mercury vapor (MV), high pressure sodium (HPS), or low pressure sodium (LPS). New technologies include magnetic induction lighting (MIL) and light emitting diode (LED), however LEDs suffer from spectral bias, are very expensive, and may cause eye damage when directly viewed. Sodium lights have a monochromatic output with a very low color rendition index. This severely impairs visual acuity and makes colors indistinguishable. Metal halide lamps have a high lumen depreciation factor,

losing as much as 40% of original luminosity within the first third of their life cycle. LEDs, MH, HPS, and LPS all suffer from flicker that causes “strobe effect.” Only MIL lamps can provide full spectrum, flicker-free operation. Equally important, only MIL technology has the lowest glare.

To properly address all aspects of roadway, highway, and street illumination, it requires a high intensity, full-spectrum light that can be “tuned” for maximum effectiveness on either blacktop or cement pavements. The geometry should provide the lowest BUG rating with the highest visual acuity while driving. This is what Ultra-Tech™ Lighting has created in Street-Bright™. Consider these unique features:

FEATURES	HID	HPS	LED	Street-Bright™	Other MIL
100,000 hour life cycle	No	No	No	YES	Some
60% - 80% energy savings	No	No	No	YES	No
Wide Dispersion Bulb	No	No	No	YES	Yes
Nano-Reflector with 98% efficiency	No	No	No	YES	No
Proprietary Geometry	No	No	No	YES	No
Instant strike - no warm up or cool down	No	No	No	YES	Yes
Full Spectrum with CRI > .90	No	No	No	YES	Some
Exceptionally high power factor > .95	No	No	No	YES	Some
Unparalleled Warranty 5 years 50K hrs	No	No	No	YES	Some
Fully recyclable, no special disposal	No	No	No	YES	Yes
<b>Lease Financing Available</b>	No	No	No	YES	No

Street-Bright™ lighting is the first holistic approach to roadway illumination that fully considers the dynamics of intensity, spread, contrast, color rendition while also addressing, maintenance, energy savings, reliability, recyclability, capital cost, and return on investment.



Street-Bright™ lighting adds totally new dimensions to roadway lighting that allows the effective use of color on pavements and signage. It is likely to become the new *standard* by which all other roadway lighting is judged.

In fact, Street-Bright™ lighting is so reliable and cost effective that projects can receive up to 100% lease financing. In today’s environment of tight capital and operating budgets, a leased Street-Bright™ installation can fully cover payments with energy and maintenance savings. Only Ultra-Tech™ Lighting offers such unique and flexible programs.

Don’t design your project without the benefit of the Street-Bright™ System. See how you can save substantially more while spending significantly less. The choice for any retrofitting or new tunnel project is clear – the Street-Bright™ System from Ultra-Tech™ Lighting.

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