

ULTRA-TECH™ LIGHTING

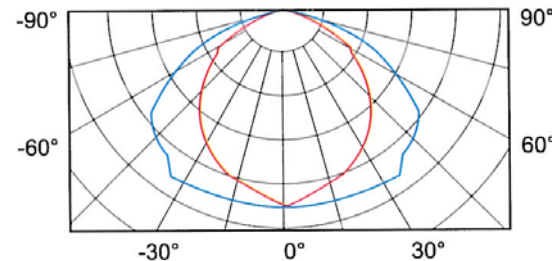
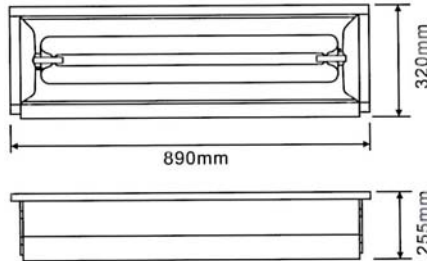
TUNNEL BRIGHT™

TB-TL-400WA3

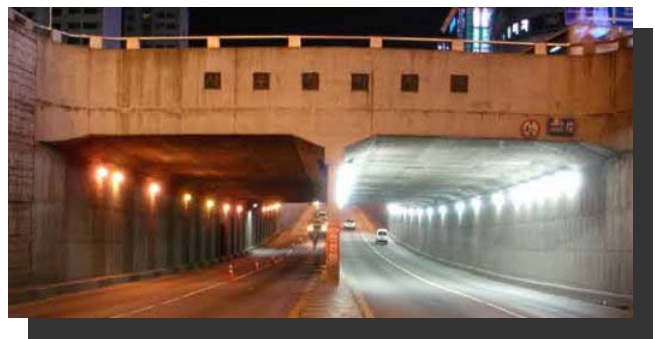


- Tunnel-Bright™ LUMENEC® tuned spectrum
- Color Rendition Index (CRI) > .95
- 100,000 hour life cycle
- 110V ~ 277V auto-sensing ballast
- Instant strike/re-strike
- Nano-reflector technology
- VARI-BEAM® focus technology
- Powder-coated all-weather aluminum
- IP65 rated WF2 anti-corrosion grade

The Tunnel-Bright™ TB-TL-400WA3 lamp is ideal for all types of enclosed tunnels and bridges. The unique full spectrum/full diffusion lamp is capable of replacing 1,000W high pressure sodium and metal halide fixtures for energy savings of up to 85% (including ballast overheads). Unique Vari-Beam® nano-particle technology allows changing the dispersion pattern to provide precision cut-off and minimal road glare. Mercury is a solid encapsulated amalgam that makes Tunnel-Bright™ environmentally friendly and safe. No special handling is required. No hazardous material disposal is necessary.



The Tunnel-Bright™ spectrum can be matched to the tunnel's specific reflective property from 6,500K to >10,000K. This means that Tunnel-Bright™ can effectively illuminate blacktop (asphalt) and white-top (concrete) road surfaces. The TB-TL-400WA3 can replace multiple fixtures with better light dispersion, saving capital and installation costs. Options include wireless controls with occupancy sensors and statistical data mining capabilities. Equally important, it is *eye friendly* and will not cause glare blinding like unshielded LEDs. Tunnel-Bright™ lights are not affected by temperature.



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TECHNICAL SPECIFICATIONS

MODEL	TB-TL-WA400
RATED WATTAGE	400W
VOLTAGE RANGE	120V~277V ± 15%
CURRENT	1.47A~3.40A
FREQUENCY	50/60Hz
POWER FACTOR	0.98
IN-RUSH CURRENT	NEGLIGIBLE
RFI PART 15/18	SHIELDED
NOISE	<20dB
TYPE	MAGNETIC INDUCTION
COLOR RENDITION INDEX	> .95
COLOR TEMPERATURE	~6500K – 10,000K UV TRUNCATED
CERTIFICATIONS	UL/UL-C/CCC/CE/FC/RoHS/CB
B.U.G. RATING	0/0/<110
DARK SKY	COMPLIANT G(0)
UL-C	WET LOCATION
TEMPERATURE RANGE	-30°F ~ +140°F
RATING	IP65 WF2 ANTI-CORROSION
FINISH	WF2 ANTI-CORROSION
REFLECTOR	FULL-DIFFUSION NANO-PARTICLE
WIND RATING U-BRACKET	75mph ~ 100mph gust
WIND RATING SLIP-FITTER	110mph ~ 150mph gust
LUMENS PER WATT	95LPW~105LPW
VISUALLY EFFECTIVE LUMENS	277/W

FEATURES	MH	HPS	LED	Tunnel-Bright™	Other MIL
100,000 hour lifecycle (11 yrs @ 24hrs/365 days)	No	No	No	YES	Yes
Up to 85% energy savings	< 30%	None	Some	YES	Some
LUMENEC® Technology	No	No	No	YES	No
Proprietary VARI-BEAM® Reflector Geometry	No	No	No	YES	No
Instant strike - no warm up or cool down	No	No	Yes	YES	Yes
Full Spectrum with CRI > .95	Few	No	No	YES	Some
Color Temperatures > 6,500K	Rare	No	Rare	YES	Some
Exceptionally high power factor > .95	No	No	Some	YES	Some
Negligible "In-Rush" current	No	No	No	YES	YES
Unparalleled Warranty 5 years 50K hrs	No	No	Some	YES	Some
Fully recyclable, no special disposal	No	No	No	YES	Yes



Lease Financing Available	No	No	No	YES	No
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