

# TORK®

## ZTL SERIES PHOTOCONTROLS



# UTILITY GRADE ZTL SERIES TURN-LOCK PHOTOCONTROLS

## INTELLIGENT LIGHTING CONTROLS



### Engineered for LED Luminaires

Designed to provide an energy-saving, reliable solution for highways, roadways and streets, the ZTL Series Turn-Lock Photocontrols are specifically designed for use with today's advanced LED street-lighting luminaires. In addition, the utility-grade photocontrols can be used with other LED products equipped with a locking-type photocontrol receptacle, including floodlighting, pathway and parking garage fixtures.

The ZTL Series is backed by the industry's longest 15-year warranty. With over 20,000 test cycles, the utility-grade photocontrols are engineered to match the life of LED fixtures, ensuring long-lasting performance. The TORK® ZTL Series is designed to ANSI C136.10 standards and certified by UL Laboratories.

### Advanced Switching Technology

The ZTL Series features advanced Zero-Cross Switching Technology, matching the individual relay and delivering precise switch timing to minimize high inrush currents, which are commonly found in LED luminaires. The superior MOV surge protection helps protect from rogue surge spikes and the high-quality conformal coating prevents corrosion in the harshest environments.

The 5237-UL Electronic Series Photocontrol is designed to meet local utility standards for street and highway LED luminaires. The photocontrols can also be customized with a large variety of lid colors, ON/OFF levels, failure modes and MOV protection levels.

## ADVANCED ELECTRONIC DESIGN AND CONSTRUCTION



- 1 Robust Joule MOV surge protection
- 2 IR filtered silicon light sensor for accurate readings
- 3 Conformal coating on circuit board protects against moisture
- 4 UL Listed and relay tested
- 5 Multiprocessor control for Zero-Cross Switching and longer contact life on relay
- 6 Factory-set timing for each photocontrol to match variances in relay performance

PRO GRADE	MUNICIPAL / UTILITY GRADE
	
2008B   5237-UL	ZTL124   ZTL124BK   ZTL124BK1020J   ZTL124F   ZTL480

	PRO GRADE		MUNICIPAL / UTILITY GRADE				
MODEL NUMBER	2008B	5237-UL	ZTL124	ZTL124BK	ZTL124BK1020J	ZTL124F	ZTL480
ANSI COLORED COVER	Yellow	Blue		Black		Green	Yellow
FAILURE MODE	ON					OFF	ON
VOLTAGE RANGE	420 - 530VAC 50/60Hz		105 - 305 VAC 50/60Hz				347 - 480VAC 50/60Hz
WARRANTY	8 years		15 years				
TESTED CYCLES	10,000		20,000				
ELECTRONIC BALLAST (LED)	2A or 1000W @ 480VAC	4A or 1000W @ 277VAC	8A or 2200W @ 277VAC				3A or 1440W @ 480VAC
SURGE PROTECTION (MOV)	510J, 10kA			1020J, 40kA		510J, 10kA	
ANSI DESIGN STANDARD	C136.10-2010 Roadway and Area Lighting Equipment						
TUNGSTEN / BALLAST	1000 Watt / 1800 VA						
ANSI LIGHT LEVELS	Turn ON 1.5 fc ± .2 / Turn OFF 2.25 fc ± .3						
POWER CONSUMPTION	< .5 Watts						
DIELECTRIC STRENGTH	5000 VAC						
OPERATING TEMPERATURE	-40°F to 158°F (-40°C to 70°C)						
TIME DELAY OFF (INSTANT ON)	3 to 5 Seconds						
WEATHER PROTECTION	UV Stabilized Polycarbonate with Conformally Coated Electronics						
AGENCY APPROVAL / DESIGN LIFE	UL773 and CSA TIL A15 (20 Year Design Life)						

