

# Photo Controls

## Photo Controls

Full line of SPST thermal type photo controls and relay type photo controls provide "dusk-to-dawn" lighting control.

### Thermal type photo controls feature:

- Cadmium sulfide photocell
- Sonic welded polycarbonate housing and lens to seal out moisture
- Delay action which eliminates loads switching OFF due to car headlights, lightning, etc.
- Design utilizes a temperature compensating bimetal and a metal film resistor for reliable long life operation over ambient temperature extremes

### Applications:

- Parking Lot Lighting • Area Lighting • Car Lot Lighting • Security Lighting
- Billboard Lighting • Municipal Lighting • Roadway Lighting • Street Lighting

## K4000C Series

### Fixed Position Mounting, Thermal Type

- Designed to fit into standard outlet box, post lamp or wall packs
- Model K4321 includes a weatherproof wall plate with neoprene gasket. UL listing for this model applies to the entire plate assembly when properly mounted to an approved outdoor junction box
- All other models equipped with a 3/8 in. – 18 threaded side mounting, locking nut and washer gasket
- All models with 9 in. leads

### Specifications:

Unless noted otherwise, the specifications listed below apply to K4000, K4100, K4200, K4300 & K4500 Series.

**Size:** See individual models. Most hard wired models supplied with 6 in. leads

K4000 fixed position models have 9 in. leads

**Switch Rating:** See chart for each series.

*Note: The ballast wattage rating is based upon a 50% power factor*

**Activation:** 1-5 FC ON; 3-15 FC OFF (without shield on models with shield)

**Color:** Gray

**Shipping Weight:** See individual models

**Size:** Plate – 4 1/2 in. (11.4 cm) H x 2 3/4 in. (7.0 cm) W

Mechanism – 1 5/16 in. (3.3 cm) W x 1 13/16 in. (4.6 cm) L x 1 3/16 in. (2.1 cm) D

Model #	Watts Tungsten	VA Ballast	Amps Tungsten	Amps Ballast	Volts AC	Replaced By	California Title 24 Compliant
K4021C	1800	1000	15	8.3	120		Yes
K4023C	3100-4150	1700-2300	15	8.3	208-277		Yes
K4022†	3600	2000	15	8.3	240	K4023C	Yes
K4033†	4150	2300	15	8.3	277	K4023C	Yes
K4027***	5205	2880	15	8.3	347		Yes
K4035*	7200	4000	15	8.3	480		Yes
**K4321C***	1800	1000	15	8.3	120		Yes

*Note: Wall plate with gasket available for other models; order No. K4001.*

\* Not UL listed or CSA certified.





\*\* Wall plate included.

\*\*\* Certified by CSA to US and Canadian Standards.

† Obsolete item – while supplies last.






**K4021C**

LR38068 K4000 5 Year  
C22.2-55 Series Warranty  
UL773A UL773A  
CSA TIL E42722  
A-15

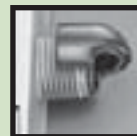


**K4321C**

LR38068 5 Year  
C22.2-55 Warranty  
UL773A  
CSA TIL  
A-15

Light Shield for  
K4000  
Part Number  
6LV1352





# Photo Controls

## K4100 Series Stem Mounting, Thermal Type

- Single and multi-volt models
- All models equipped with a light level slide adjustment and provide a 1/2 in. – 14 threaded stem
- Washer gasket and locking nut are packaged with each photo control
- Models with “M” suffix have heavy duty die cast housings

**Size:** 1 1/16 in. (4.0 cm) Square, 3 in. (7.6 cm) Long



Model #	Watts Tungsten	VA Ballast	Amps Tungsten	Amps Ballast	Volts AC	Replaced By	California Title 24 Compliant
K4121C**	1800	1000	15	8.3	120		Yes
†K4121M*	2000	1800	16.7	15	120	K4136M	No
K4421M***	1800	1000	15	8.3	120		Yes
†K4124**	3100	1700	15	8.3	208	K4123C	Yes
†K4122**	3600	2000	15	8.3	240	K4123C	Yes
K4123C***	3100-4150	1700-2300	15	8.3	208-277		Yes
K4423M****	3100-4150	1700-2300	15	8.3	208-277		Yes
†K4133***	4150	2300	15	8.3	277	K4123C	Yes
K4127***	5205	2880	15	8.3	347		Yes
K4135*	7200	4000	15	8.3	480		Yes
K4136M*	2000-4625	1800	16.7	15	120-277		Yes
*K4141C****	3000	3000	25	25	120		Yes

- \* Not UL listed or CSA certified.
- \*\* Not CSA certified.
- \*\*\* Certified by CSA to US and Canadian Standards.
- \*\*\*\* 1 Year Warranty.
- † Obsolete item – while supplies last.

Note: See Obsolete/Substitution Chart on page 162.

## K4200 Series Stem & Swivel Mounting, Thermal Type

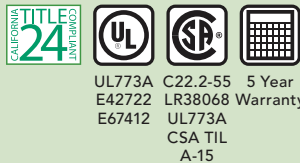
- Single and multi-volt models
- Model K4251 and K4253 have photo eye located on top and are designed for spot/flood type fixtures

**Size:** **K4200 Series** – 1/2 in. – 14 threaded swivel, 1 1/16 in. (4.0 cm) Square, 5 1/2 in. (14.0 cm) Long  
**Model K4236** – 5 3/4 in. (14.6 cm) High, 3 in. (7.6 cm) Diameter

Model #	Watts Tungsten	VA Ballast	Amps Tungsten	Amps Ballast	Volts AC	Replaced By	California Title 24 Compliant
K4221C**	1800	1000	15	8.3	120		No
†K4224**	3100	1700	15	8.3	208	K4223C	Yes
†K4222**	3600	2000	15	8.3	240	K4223C	Yes
K4223C***	3100-4150	1700-2300	15	8.3	208-277		Yes
†K4233***	4150	2300	15	8.3	277	K4223C	Yes
K4227***	5205	2880	15	8.3	347		Yes
K4235*	7200	4000	15	8.3	480		Yes
K4236C	1800-4150	1000-2300	15	8.3	120-277		Yes
K4251***	1800	1000	15	8.3	120		Yes
K4253***	3100-4150	1700-2300	15	8.3	208-277		Yes

- \* Not UL listed or CSA certified.
- \*\* Not CSA certified.
- \*\*\* Certified by CSA to US and Canadian Standards.
- † Obsolete item – while supplies last.

Note: See Obsolete/Substitution Chart on page 162.



# Photo Controls

## K4500 Series

### Locking-Type Mounting, Thermal Type

- Easy to install; just plug and twist
- Equipped with standard 3-prong NEMA locking-type plug connections
- Delay action which eliminates loads switching OFF due to car headlights, lightning, etc.
- Complies with ANSI C136.10 standard

**Size:** 3¾ in. (9.5 cm) High, 3 in. (7.6 cm) Diameter

Model #	Watts Tungsten	VA Ballast	Amps Tungsten	Amps Ballast	Volts AC	California Title 24 Compliant
K4521	1800	1000	15	8.3	120	Yes
K4524	3100	1700	15	8.3	208	Yes
K4522	3600	2000	15	8.3	240	Yes
K4533	4155	2300	15	8.3	277	Yes
K4535	7200	4000	15	8.3	480	Yes



UL773 E59121  
C22.2-55 LR38068  
3/4 lbs .34 kg  
5 Year Warranty  
UL773A

## LC4500 Series

### Low Cost Locking-Type, Thermal Type

The LC4500 Series provides low cost, reliable control for street lighting and other applications requiring a NEMA twist and lock type plug connection. An integral polypropylene housing with UV protection, keeps moisture out and ensures long life. Complies with ANSI C136.10 standard.

**Activation:** .5 FC minimum ON; 15 FC maximum OFF

**Size:** 2¾ in. (7.0 cm) High, 3 in. (7.6 cm.) Diameter

**Color:** Translucent with color coded band for voltage identification

Model #	Watts Tungsten	VA Ballast	Amps Tungsten	Amps Ballast	Volts AC	California Title 24 Compliant
LC4521C	1800	1000	15	8.3	120	Yes
LC4523	3100-4155	1700-2300	15	8.3	208-277	Yes
LC4527*	5205	2880	15	8.3	347	Yes
LC4535	7200	4000	15	8.3	480	Yes
LC4536C	1800-4155	1000-2300	15	8.3	120-277	Yes
LC4521LA**	1800	1000	15	8.3	120	Yes
LC4523LA**	3100-4155	1700-2300	15	8.3	208-277	Yes
LC4535LA**	7200	4000	15	8.3	480	Yes
LC4536LAC**	1800-4155	1000-2300	15	8.3	120-277	Yes

\* Not UL Listed.

\*\* Models with LA suffix equipped with 2400 volt open type spark gap arrester.



UL773 E59121  
C22.2-55 LR38068  
.2 lbs .09 kg  
3 Year Warranty



K4521



K122



K4500



K121

K121-30



UL773 E59121  
C22.2-55 LR38068  
UL773

### Accessories for Locking-Type Controls

#### Pole Bracket Adapter:

Model K122\* – 105-480 Volts; for use with K1200, K4500 or LC4500 Series locking-type controls. K121\* – receptacle only, K121-30\* receptacle with 30 in. leads. (\* Not UL Listed or CSA Certified)

#### Shorting Cap:

Model K4500 – 105-480 Volts; replaces locking-type photo control to complete circuit.



LC4521C



# Photo Controls



K1200



K1100



LC2000

## K1100, K1200 Series Relay Type Photo Controls With Adjustable Stem or Locking-Type Mounting

This series features "instant ON/OFF switching" in two mounting types. Complies with ANSI C136.10 standard.

**Series K1100:** Equipped with an adjustable stem for mounting at almost any angle up to 80 degrees. Models equipped with three 6 in. color coded leads.

**Series K1200:** Easy to install using NEMA plug-in locking type connection. Models are equipped with 2400 Volt open type spark gap arrester and standard 3-prong connector.

**Size: K1100 Series:** 5¾ in. (14.6 cm) High, 3 in. (7.6 cm) Diameter; ½ in. – 14 NPT Stem

**K1200 Series:** 3¾ in. (9.5 cm) High, 3 in. (7.6 cm) Diameter

**Activation:** 1 FC ON; 3 – 10 FC OFF

Model #	Watts Tungsten	VA Ballast	Amps Tungsten	Amps Ballast	Volts AC	California Title 24 Compliant
K1121	1800	1800	15	15	105-130	Yes
K1122	1800	1800	7.5	7.5	210-240	Yes
K1221	1800	1800	15	8.3	105-130	Yes
K1222	1800	1800	7.5	7.5	210-240	Yes

\* Ballast rating meets UL testing at 50% power factor.



UL773 C22.2-55 3/4 lbs 5 Year UL773A  
E59121 LR38068 .34 kg Warranty E42722

## LC2000 Low Cost Relay Type Photo Control with Locking-Type Mounting

### Features:

- "Instant ON/OFF Switching". Complies with ANSI C136.10 standard
- Easy to install NEMA plug-in locking type connector
- Heavy-duty relay designed for long life switching

**Size:** 2¾ in. (5.6 cm) High, 3¾ in. (8.1 cm) Diameter

**Activation:** 1 to 3 FC ON. Turn OFF to turn ON ratio is 4

Model #	Watts Tungsten	VA Ballast	Volts AC	California Title 24 Compliant
LC2000	1000	1800	110-277	Yes

Includes 110 Joule MOV Surge Arrester.



UL773 3/4 lbs 3 Year  
E59121 .34 kg Warranty

# Photo Controls

## Solid State Photo Controls – Locking-Type

The **K4536SS** Photo Control is electronically calibrated and provides reliable control of street lighting and other applications requiring a NEMA plug-in locking type connection. Complies with ANSI C136.10 standard.

The **K4536SST** is the most energy efficient photo control available today by offering a photo control and a timer all in one! This electronically calibrated solid state model continually adjusts itself and never needs resetting. Let the K4536SST pay for itself by reducing your energy bill.

### K4536SST Features:

- No time switch needed
- Turns ON like a photo control and OFF like a time switch
- Turns lights ON at dusk, OFF at user's pre-set time throughout the night and turns the lights ON again at user's pre-set time in the morning
- Provides a fixed OFF time adjustable in half-hour increments from 6:00 p.m. – 2:00 a.m. and a fixed ON time adjustable in half-hour increments from 4:00 a.m. – 8:00 a.m.
- Easily retrofits any standard locking-type photo control
- No rewiring — fits ordinary locking-type socket
- Automatically resets itself after power outage
- Complies with Federal Energy Act, California Title 24, and Dark Sky Initiative

**Activation:** 3 FC ON, 2-4 FC OFF

**Operation:** Instant ON, 10 Second Delay OFF

**Size:** 23<sup>3</sup>/<sub>4</sub> in. (7.0 cm) High, 3 in. (7.6 cm) Diameter

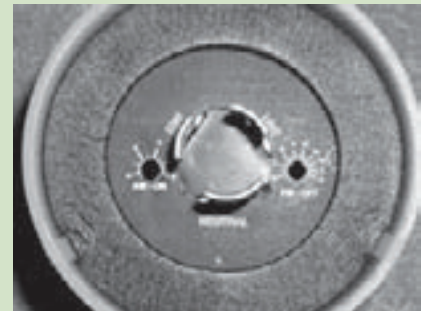
**Color:** Translucent with color coded band for voltage identification

Model #	Watts Tungsten	VA Ballast	Amps Tungsten/VAC	Amps Ballast/VAC	Volts AC	California Title 24 Compliant
K4536SS	1000	1800	8.3/120	15/120	105-305	Yes
K4536SST	1000	1800	8.3/120	15/120	105-305	Yes

*Includes 430 Joule MOV Surge Arrester.*



**K4536SS**



**K4536SST**



C22.2-55 3/4 lbs 5 Year  
LR38068 .34 kg Warranty  
UL773A