TWIST-LOCK ELETRONIC TYPE PHOTO CONTROL
MODEL: LT134

INTRODUCTION

LEAD TOP's Long-Life&Zero-Crossing photocontrols were designed for the demands of HID and solid-state lighting (SSL), making them an excellent choice for LED, conventional & Electronic HID, and Induction luminaires.

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APPLICATIONS

- LED luminaires that require dusk to dawn control.
- Recommended for luminaires that use solid state ballasts/drivers (e.g. CFL,Induction, Electronic HID).
- LED, HID, Induction, Fluorescent or Halogen Systems; Roadways; Street Lighting; Parking Lots; Security Lighting.

FEATURES

- Zero-Crossing Detection
- High Inrush Current Protection
- Meets or exceeds ANSI C136.10
- ROHS compliant
- Manufactured according to ISO
- IR Filter Phototransistor
- FR4 fiberglass printed circuit board
- Reliable sealed relay
- MOV rated for 475 Joules
- 6KV min. Surge Protection
- Insulation Resistance: >500MΩ
- 3-6 second turn-off delay.
- Blue cover standard. Other optional.
- IP66, optional IP67
- Will operated down to 80VAC
- 3.0mm Thickness Cover
- 8 Years Warranty

TECHNICAL SPECIFICATION

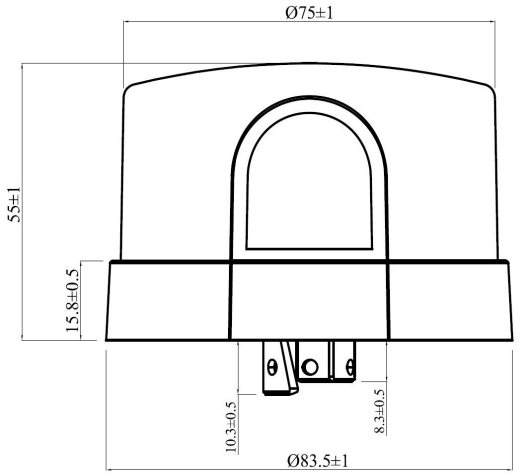
Standard	ANSI C136.10 & UL773
Rated Volts	120V-277V (Applicable: 105-305V)
Frequency	50/60 Hz
Rated Load	1000W/1800VA
LED Rating	8A E-Ballast @ 120VAC 5A E-Ballast @ 208-277VAC
Turn-On Light Levels	10-16 Lux
ON/OFF Ratio	1:1.5
Time Delay	3-6 Seconds
Operating Temperature	-40℃ to +70℃
Switch	> 15000 ON/OFF Operations at Rated Load
Light Sensor	IR Filter Phototransistor
Power Consumption	≤ 0.5 watts at 120VAC
Cover	Anti-UV Impact Resistance Polypropylene
Base	High Temperature Resistance Polybutylene Terephthalate (PBT)

PRODUCT SELECTION INFORMATION

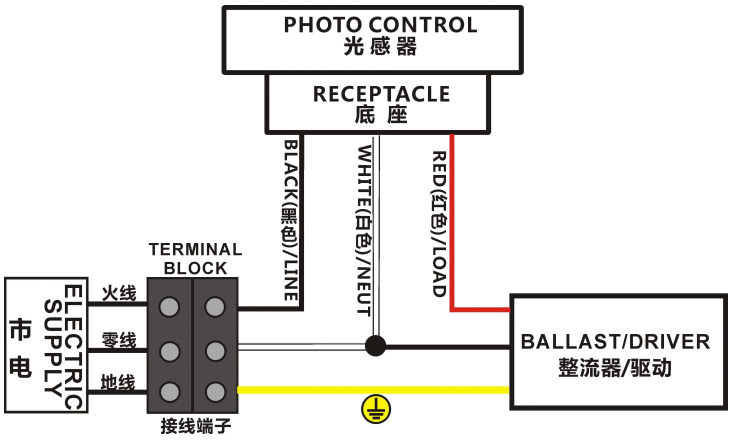
Model	Color	Turn-On (fc)	Time Delay	Fail Mode	Surge Protection	IP Grade
LT134	BU: Blue(Std.) BK: Black GY: Grey GN: Green	F15: 1.5(≈15Lux)(Std.) F25: 2.5(≈26Lux) F35: 3.5(≈37Lux)	D05: 3-6s(Std.) D10:10-15s D20:20-25s D30:30-35s	NO: Fail Off(Std.) NC: Fail On	M15: 475J(Std.) M25: 950J M35: 1425J	66: IP66(Std.) 67: IP67

FREQUENTLY ORDERED PART NUMBER: LT134-BU-F15-D05-NO-M15-66

DIMENSION



WIRING DIAGRAM



PRODUCT DETAILS:

1) Photocontrol: Shall be a Twist Locking Type and meet or exceed all requirements of ANSI C136.10 .
2) For standard photocontrols, the cover color will be blue cover or are available as specified by customer.
3) Line voltage: 105-305 VAC @ 50/60HZ.
4) Load rating: Shall be at least 1800VA. Control must be able to operate incandescent, ballast, LED and lighting contractor type loads.
5) Control relay: Shall be sealed.
6) Turn ON: Shall be 10-16 LUX and Turn OFF shall be 1.5 times the turn ON level as standard configuration.
7) Time delay: Control must have instant ON and 3-6 seconds “OFF” delay as standard configuration.
8) Programmable as specified by customer for Time Delay, Turn ON/OFF level and ON/OFF ratio.
9) Zero-Crossing Detection protects against high In-Rush currents, particularly found in LED Luminaries.
10) Photo sensor: Sealed silicon sensor. Cadmium sulfide cells are not acceptable.
11) Surge protection: Shall be in the form of Metal Oxide Varistor (MOV) wired line to neutral. MOV shall be rated a minimum of 475joules and 6KV/3KA surge. Finished control shall not fail when subjected to 5 surges of 6KV/3KA applied at 1-minute intervals. Surge wave form as described in ANSI C136.10-2017 section on High Surge.
12) Housing: Shall be blue (or customization) of an impact and UV resistant Polypropylene material @ 3mm thickness.
13) Drop test: Control must withstand a drop of 1 m to a concrete floor without causing damage to the housing or changing electrical operation.
14) Markings: The following must appear on the control: month/year of manufacture, individual serial numbers, model description, operating voltage range and load rating.
15) Power consumption: Shall consume 0.5 watts or less at 120VAC.
16) Environmental: Shall be RoHS compliant. It shall not contain lead, cadmium, mercury or hexavalent chromium. Pigments in plastic parts shall not contain bromine compounds or heavy metal pigments.
17) Warranty: 8 years (one for one replacement, labor not included).