



SAVE ENERGY & ENSURE SAFETY WITH
PHOTOCELLS



Photocells



americanlite[®]

We light your world[™]



Smart Dimming Photocell

7 Pin / 0-10V Dimming

Zero-Cross Detection Electronic Type

AL600

Technical Parameters

Standard	ANSI C136.10 & UL773
Rated Volts	120V-277V (applicable: 105-305V)
Frequency	50-60 Hz
Rated Load	1000W/1800VA
LED Rating	5A E-Ballast
Turn-On Light Levels	10 -16 LUX
Turn-Off Light Levels	15-30 LUX
ON /OFF Ratio	1:1.5
Time Delay	3-10 Seconds
Operating Temperature	-40°C to +70°C
Switch	>10000 ON/OFF Operations @Rated Load
Ingress Protection	IP67
Surge Protection	MOV 950J Ansi Enhanced Level 10KV/5KA
Light Sensor	IR Filter Phototransistor
Power Consumption	≤ 1 watts at 120VAC
Cover	Anti-UV Impact Resistance Polycarbonate
Base	High Temperature Resistance Polybutylene Terephthalate
Fail Mode	ON OFF
Sealed Relay	15A/277VAC
Dielectric Strength	5KV
Resistance to Moisture	98%
Interrupting Capacity	15A
Will operate down to	80VAC

Ordering information

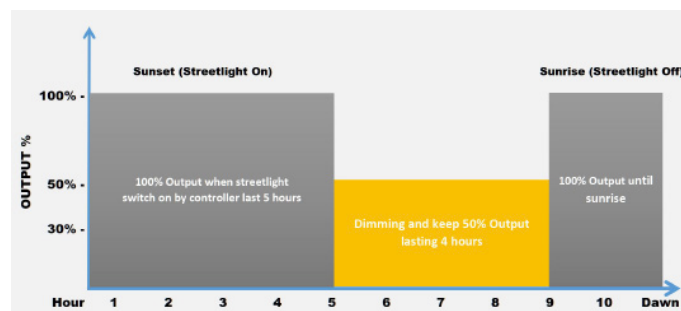
Item	Options	Joules	Color
AL600	Blank Fail ON X Fail OFF	Blank 950J	Blank Black

Packing information

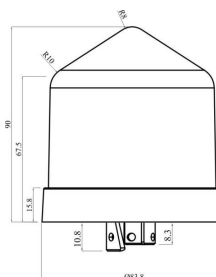
Model	Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
AL600	1	50	60 x 47 x 23.5	0.0662

0-10V Midnight Dimming

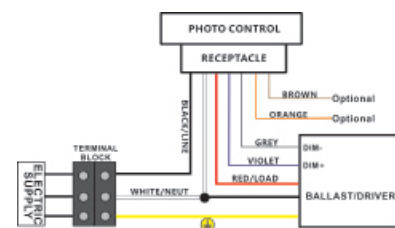
Cycles or settings can be preset based on specific needs. For example, in this graphic, we show first 5 hours @ 100% lumen output, the next 4 hours @ 50% and the rest until sunrise back to 100% lumen output.



Dimensions (mm)



Wiring Diagram



Notes:

- Manufactured according to ISO certificate 9001
- Housing thickness 3 mm
- Net weight 175g

For programming (Factory preset), please specify requirements:

1. How many hours streetlight should remain at 100% output brightness once it is turned on
2. What percentage of output brightness should dim at mid-night



7 -Pin Twist Lock Photocell

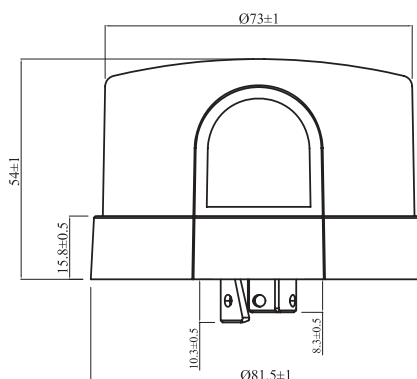
Electronic Type
AL655



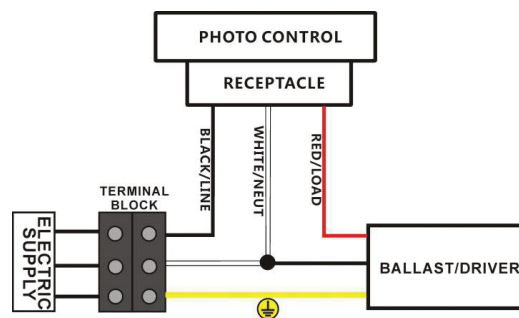
Technical Parameters

Standard	ANSI C136.10 / ANSI C136.41 & UL773
Rated Volts	120V-277V (applicable: 105-305V)
Frequency	50/60 Hz
Rated Load	1000W/1800VA
LED Rating	2A E-Ballast
Turn-On Light Levels	16±6 LUX
Turn-Off Light Levels	24±6 LUX
ON /OFF Ratio	1:1.5
Time Delay	3-10 Seconds
Operating Temperature	-40°C to +70°C
Switch	>10000 ON/OFF Operations @Rated Load
Ingress Protection	IP67
Surge Protection	MOV 475J ANSI Enhanced Level 10KV/5KA
Light Sensor	IR Filter Phototransistor
Power Consumption	≤ 0.5 watts at 120VAC
Cover	Anti-UV Impact Resistance Polycarbonate
Base	High Temperature Resistance Polybutylene Terephthalate
Fail Mode	ON/OFF Option
Sealed Relay	HF 10A/250VAC
Dielectric Strength	5KV
Resistance to Moisture	99%
Interrupting Capacity	10A
Will operate down to	90VAC

Dimensions (mm)



Wiring Diagram



Ordering information

Item	Options	Joules	Color
AL655	Blank Fail ON	Blank 475J	Blank Black
	X Fail OFF	9 950J	B Blue
			G Green
			O Orange
			GR Gray

Notes:

- Manufactured according to ISO certificate 9001
- Housing thickness 2 mm
- Net weight 95g

Packing information

Model	Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
AL655	1	100	42 x 34 x 36	0.0514



3-Pin Twist Lock Photocell

Zero-Cross Detection Electronic Type

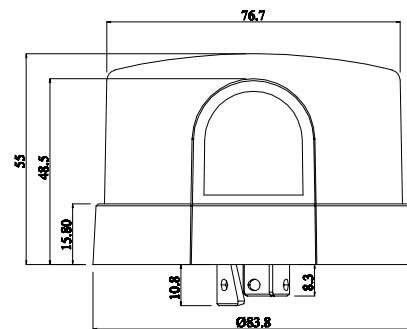
AL595

- High In-rush Current Protection
- Programmable Functions
(Time Delay, Turn ON/OFF & ON/OFF Ratio)

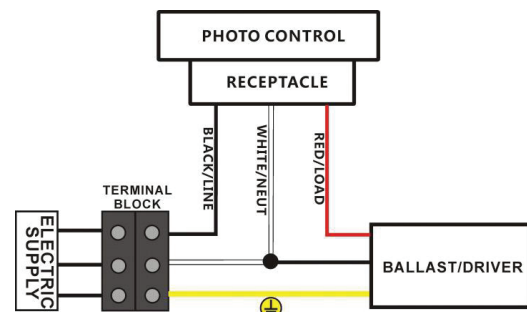
Technical Parameters

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
Turn-On Light Levels	16 ± 6 LUX (or programmable)
Turn-Off Light Levels	24 ± 6 LUX (or programmable)
ON /OFF Ratio	1:1.5 (or programmable)
Time Delay	3-10 Seconds (or programmable)
Operating Temperature	-40°C to +70°C
Switch	>20000 ON/OFF Operations @Rated Load
Ingress Protection	IP66
Surge Protection	1280J
Light Sensor	IR Filter Phototransistor
Power Consumption	≤ 0.5 watts at 120VAC
Cover	Anti-UV Impact Resistance Polycarbonate
Base	High Temperature Resistance Polybutylene Terephthalate
Fail Mode	ON/OFF options
Sealed Relay	HF 16A/250VAC
Dielectric Strength	5KV
Resistance to Moisture	98%
Interrupting Capacity	16A
Will operate down to	85VAC

Dimensions (mm)



Wiring Diagram



Ordering information

Item	Options	Color
AL595	Blank Fail ON X Fail OFF	Blank Black B Blue G Green

Notes:

- Manufactured according to ISO certificate 9001
- Housing thickness 3 mm
- Net weight 125g

Packing information

Model	Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
AL595	1	100	42 x 34 x 36	0.0514



3-Pin Twist Lock Photocell

Zero-Cross Detection Electronic Type

AL575

- High In-rush Current Protection
- Programmable Functions
(Time Delay, Turn ON/OFF & ON/OFF Ratio)
- Will operate down to 85VAC

Technical Parameters

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	16 ± 6 LUX (or programmable)
Turn-Off Light Levels	24 ± 6 LUX (or programmable)
ON /OFF Ratio	1:1.5 (or programmable)
Time Delay	3-10 Seconds (or programmable)
Operating Temperature	-40°C to +70°C
Switch	>10000 ON/OFF Operations @Rated Load
Ingress Protection	IP66
Surge Protection	650J, 960J, 1280J
Light Sensor	IR Filter Phototransistor
Power Consumption	≤ 0.5 watts at 120VAC
Cover	Anti-UV Impact Resistance Polycarbonate
Base	High Temperature Resistance Polybutylene Terephthalate
Fail Mode	ON/OFF options
Sealed Relay	HF 15A/120VAC
Dielectric Strength	5KV
Resistance to Moisture	98%
Interrupting Capacity	15A
Will operate down to	85VAC

Ordering information

Item	Options	Joules	Color
AL575	Blank Fail ON X Fail OFF	Blank 650J 9 960J 1 1280J	Blank Blue G Green

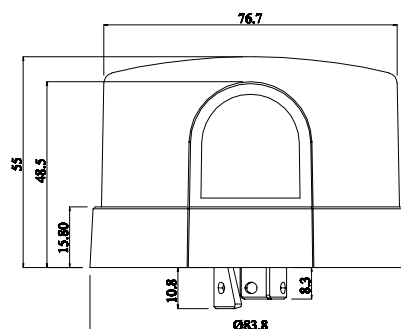
Notes:

- Manufactured according to ISO certificate 9001
- Housing thickness 3 mm
- Net weight 110g

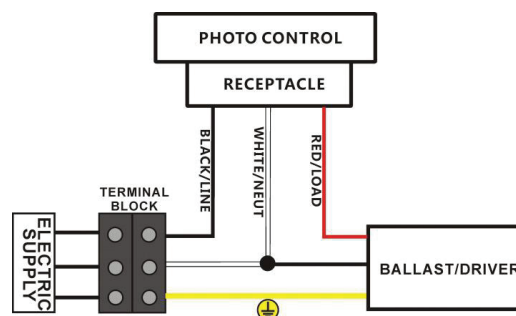
Packing information

Model	Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
AL575	1	100	42 x 34 x 36	0.0514

Dimensions (mm)



Wiring Diagram





3-Pin Twist Lock Photocell

Zero-Cross Detection Electronic Type

AL565

- High In-rush Current Protection

Technical Parameters

Standard	ANSI C136.10 & UL773
Rated Volts	120V-277V (applicable: 105-305V)
Frequency	50/60 Hz
Rated Load	1000W/1800VA
LED Rating	5A E-Ballast
Turn-On Light Levels	24 ± 6 LUX
Turn-Off Light Levels	<65 LUX
ON /OFF Ratio	1:1.5
Time Delay	3-10 Seconds
Operating Temperature	-40°C to +70°C
Switch	>10000 ON/OFF Operations @Rated Load
Ingress Protection	IP66
Surge Protection	475J, 950J
Light Sensor	IR Filter Phototransistor
Power Consumption	≤ 0.5 watts at 120VAC
Cover	Anti-UV Impact Resistance Polycarbonate
Base	High Temperature Resistance Polybutylene Terephthalate
Fail Mode	ON/OFF options
Sealed Relay	HF 10A/250VAC
Dielectric Strength	5KV
Resistance to Moisture	98%
Interrupting Capacity	10A
Will operate down to	80VAC

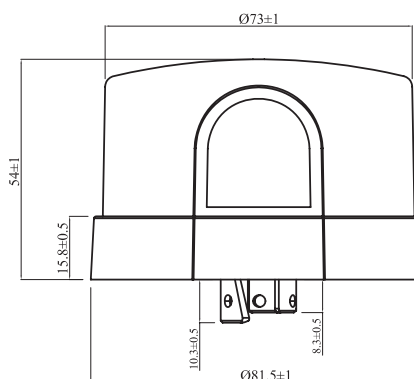
Ordering information

Item	Options		Joules		Color	
AL565	Blank	Fail ON	Blank	475J	Blank	Blue
	X	Fail OFF	9	950J	G	Green

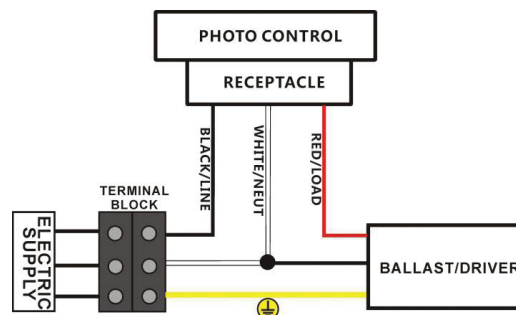
Packing information

Model	Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
AL565	1	100	42 x 34 x 36	0.0514

Dimensions (mm)

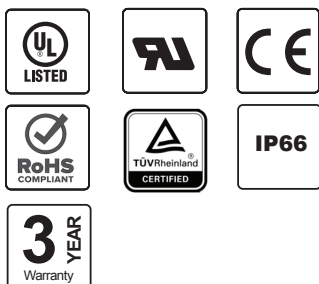


Wiring Diagram



Notes:

- Manufactured according to ISO certificate 9001
- Housing thickness 2 mm
- Net weight 100g



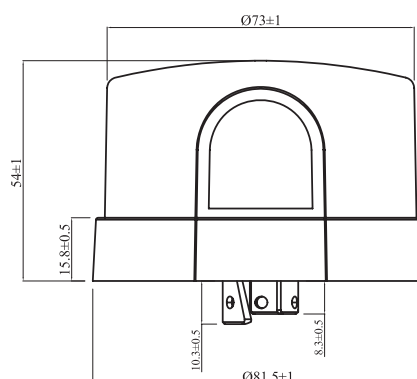
3-Pin Twist Lock Photocell

Electronic Type
AL555

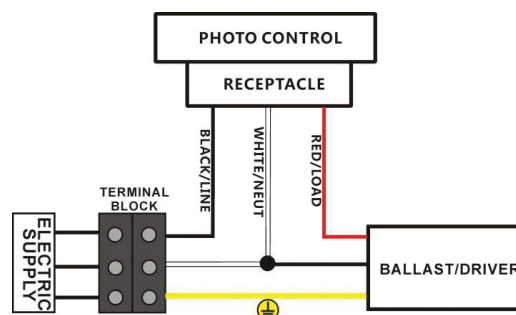
Technical Parameters

Standard	ANSI C136.10 & UL773
Rated Volts	120V-277V (applicable: 105-305V)
Frequency	50/60 Hz
Rated Load	1000W/1800VA
LED Rating	2A E-Ballast
Turn-On Light Levels	16 ± 6 LUX
Turn-Off Light Levels	24 ± 6 LUX
ON /OFF Ratio	1:1.5
Time Delay	3-10 Seconds
Operating Temperature	-40°C to +70°C
Switch	>5000 ON/OFF Operations @Rated Load
Ingress Protection	IP66
Surge Protection	160J, 320J, 650J
Light Sensor	IR Filter Phototransistor
Power Consumption	≤ 0.5 watts at 120VAC
Cover	Anti-UV Impact Resistance Polypropylene
Base	High Temperature Resistance Polybutylene Terephthalate
Fail Mode	ON/OFF options
Sealed Relay	HF 10A/250VAC
Dielectric Strength	3KV
Resistance to Moisture	98%
Interrupting Capacity	10A
Will operate down to	90VAC

Dimensions (mm)



Wiring Diagram



Ordering information

Item	Options	Joules	Color
AL555	Blank Fail ON X Fail OFF	Blank 160J 1 320J 4 475J 6 650J	Blank Blue G Green

Notes:

- Manufactured according to ISO certificate 9001
- Housing thickness 2 mm
- Net weight 95g

Packing information

Model	Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
AL555	1	100	42 x 34 x 36	0.0514



3-Pin Twist Lock Photocell

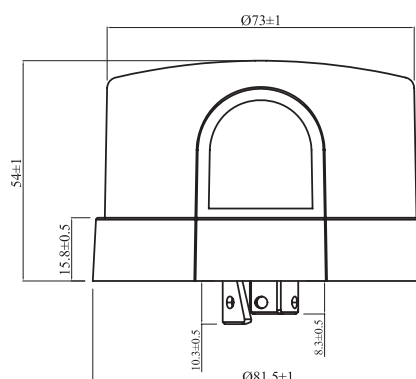
Electronic Type
AL525



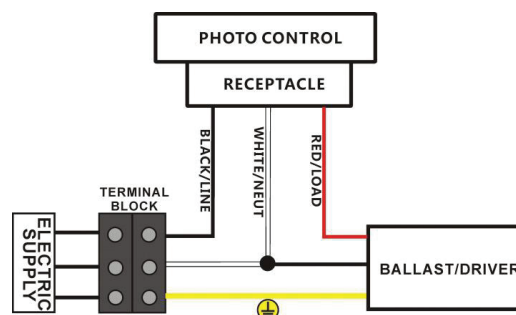
Technical Parameters

Standard	ANSI C136.10 & UL773
Rated Volts	120V-277V (applicable: 105-305V)
Frequency	50/60 Hz
Rated Load	1000W/1800VA
LED Rating	2A E-Ballast
Turn-On Light Levels	16 ± 6 LUX
Turn-Off Light Levels	24 ± 6 LUX
ON /OFF Ratio	1:1.5
Time Delay	3-10 Seconds
Operating Temperature	-40°C to +70°C
Switch	>5000 ON/OFF Operations @Rated Load
Ingress Protection	IP66
Surge Protection	160J, 320J
Light Sensor	IR Filter Phototransistor
Power Consumption	≤ 0.5 watts at 120VAC
Cover	Anti-UV Impact Resistance Polycarbonate
Base	High Temperature Resistance PolypropyleneTerephthalate
Fail Mode	ON/OFF options
Sealed Relay	HF 10A/250VAC
Dielectric Strength	3KV
Resistance to Moisture	98%
Interrupting Capacity	10A
Will operate down to	90VAC

Dimensions (mm)



Wiring Diagram



Ordering information

Item	Options	Joules
AL525	Blank Fail ON X Fail OFF	Blank 160J 3 320J

Notes:

- Manufactured according to ISO certificate 9001
- Housing thickness 1.5 mm
- Net weight 75g

Packing information

Model	Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
AL525	1	100	42 x 34 x 36	0.0514



3-Pin Twist Lock Photocell

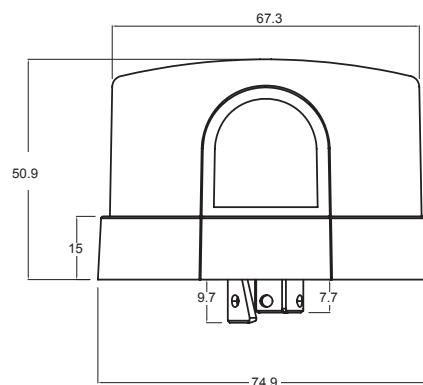
Electronic Type
AL506



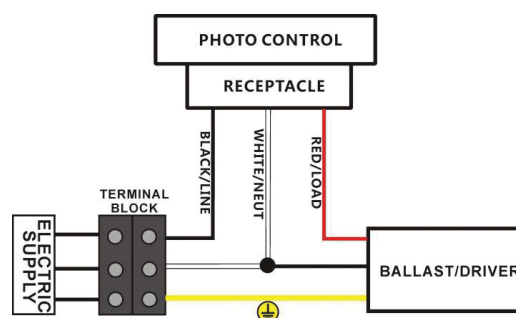
Technical Parameters

Standard	ANSI C136.10 & UL773
Rated Volts	120V-277V (applicable: 105-305V)
Frequency	50/60 Hz
Rated Load	1000W/1800VA
LED Rating	2A E-Ballast
Turn-On Light Levels	16 ± 6 LUX
Turn-Off Light Levels	24 ± 6 LUX
ON /OFF Ratio	1:1.5
Time Delay	3-10 Seconds
Operating Temperature	-40°C to +70°C
Switch	>5000 ON/OFF Operations @Rated Load
Ingress Protection	IP66
Surge Protection	160J, 320J
Light Sensor	IR Filter Phototransistor
Power Consumption	≤ 0.5 watts at 120VAC
Cover	Anti-UV Impact Resistance Polycarbonate
Base	High Temperature Resistance PolypropyleneTerephthalate
Fail Mode	ON/OFF options
Sealed Relay	HF 10A/250VAC
Dielectric Strength	3KV
Resistance to Moisture	98%
Interrupting Capacity	10A
Will operate down to	90VAC

Dimensions (mm)



Wiring Diagram



Ordering information

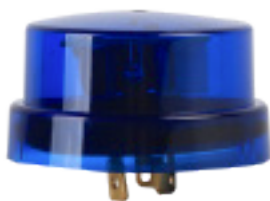
Item	Options	Joules
AL506	Blank Fail ON X Fail OFF	Blank 160J 3 320J

Notes:

- Manufactured according to ISO certificate 9001
- Housing thickness 2 mm
- Net weight 80g

Packing information

Model	Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
AL506	1	100	42 x 34 x 36	0.0514



3-Pin Twist Lock Photocell

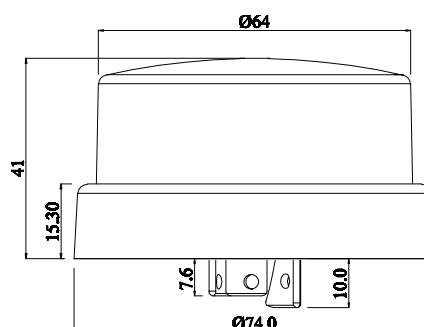
Electronic Type
AL505



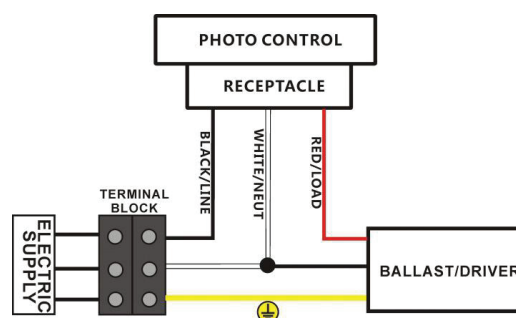
Technical Parameters

Standard	ANSI C136.10 & UL773
Rated Volts	120V-277V (applicable: 105-305V)
Frequency	50/60 Hz
Rated Load	1000W/1800VA
LED Rating	2A E-Ballast
Turn-On Light Levels	16 ± 6 LUX
Turn-Off Light Levels	24 ± 6 LUX
ON /OFF Ratio	1:1.5
Time Delay	3-10 Seconds
Operating Temperature	-40°C to +70°C
Switch	>5000 ON/OFF Operations @Rated Load
Ingress Protection	IP66
Surge Protection	160J, 320J
Light Sensor	IR Filter Phototransistor
Power Consumption	≤ 0.5 watts at 120VAC
Cover	Anti-UV Impact Resistance Polycarbonate
Base	High Temperature Resistance PolypropyleneTerephthalate
Fail Mode	ON/OFF options
Sealed Relay	HF 10A/250VAC
Dielectric Strength	3KV
Resistance to Moisture	98%
Interrupting Capacity	10A
Will operate down to	90VAC

Dimensions (mm)



Wiring Diagram



Ordering information

Item	Options	Joules
AL505	Blank Fail ON	Blank 160J
	X Fail OFF	3 320J

Notes:

- Manufactured according to ISO certificate 9001
- Housing thickness 1.5 mm
- Net weight 75g

Packing information

Model	Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
AL505	1	100	38.5 x 31 x 32	0.0381



3-Pin Twist Lock Photocell

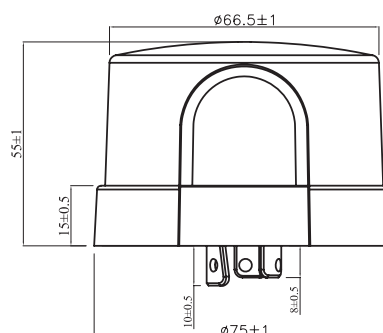
Thermal Type
AL510



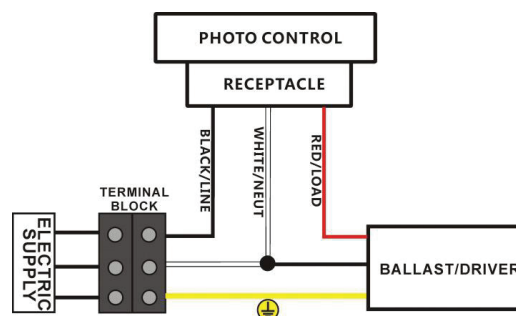
Technical Parameters

Standard	ANSI C136.10 & UL773
Rated Volts	120V
Frequency	50/60 Hz
Rated Load	1800W/1800VA
LED Rating	5A E-Ballast
Turn-On Light Levels	10-16 LUX
Turn-Off Light Levels	<65 LUX
ON /OFF Ratio	1:5
Time Delay	30-180 Seconds
Operating Temperature	-40°C to +70°C
Switch	>5000 ON/OFF Operations @Rated Load
Ingress Protection	IP66
Surge Protection	N/A
Light Sensor	Cadmium Sulfide (CDS)
Power Consumption	≤ 0.7 watts at 120VAC
Cover	Anti-UV Impact Resistance Polycarbonate
Base	High Temperature Resistance Polybutylene Terephthalate
Fail Mode	ON
Sealed Relay	N/A
Dielectric Strength	3KV
Resistance to Moisture	98%
Interrupting Capacity	15A
Will operate down to	105VAC

Dimensions (mm)



Wiring Diagram



Ordering information

Item	Color
AL510	Blank B Gray Blue

Notes:

- Manufactured according to ISO certificate 9001
- Housing thickness 2 mm
- Net weight 72g

Packing information

Model	Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
AL510	1	100	38.5 x 31 x 32	0.0381



3-Pin Twist Lock Photocell

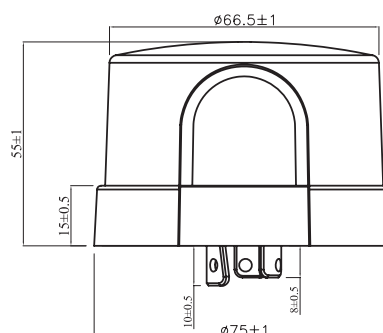
Thermal Type
AL515



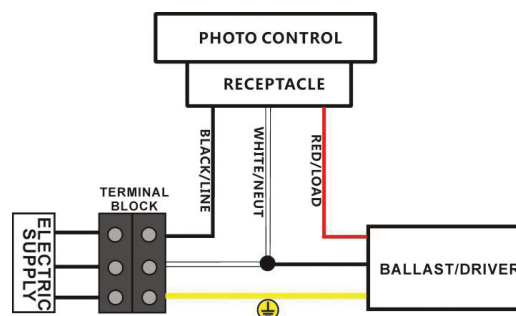
Technical Parameters

Standard	ANSI C136.10 & UL773
Rated Volts	240V
Frequency	50/60 Hz
Rated Load	2000W/2000VA
LED Rating	5A E-Ballast
Turn-On Light Levels	10-16 LUX
Turn-Off Light Levels	<65 LUX
ON /OFF Ratio	1:5
Time Delay	30-180 Seconds
Operating Temperature	-40°C to +70°C
Switch	>5000 ON/OFF Operations @Rated Load
Ingress Protection	IP66
Surge Protection	N/A
Light Sensor	Cadmium Sulfide (CDS)
Power Consumption	≤ 1 watts at 120VAC
Cover	Anti-UV Impact Resistance Polycarbonate
Base	High Temperature Resistance Polybutylene Terephthalate
Fail Mode	ON
Sealed Relay	N/A
Dielectric Strength	3KV
Resistance to Moisture	96%
Interrupting Capacity	8.3A
Will operate down to	208VAC

Dimensions (mm)



Wiring Diagram



Ordering information

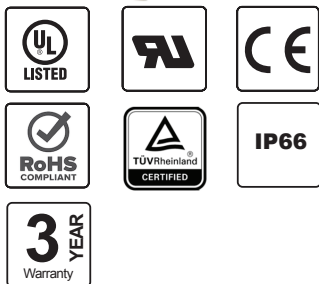
Item	Color
AL515	Blank Maroon B Blue

Notes:

- Manufactured according to ISO certificate 9001
- Housing thickness 2 mm
- Net weight 72g

Packing information

Model	Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
AL515	1	100	38.5 x 31 x 32	0.0381



3-Pin Twist Lock Photocell

Electromagnetic Type
AL520

Technical Parameters

Standard	ANSI C136.10 & UL 773
Rated Volts	120V-277V (applicable: 105-305V)
Frequency	50/60 Hz
Rated Load	1000W/1800VA
LED Rating	5A E-Ballast (5 Arm)
Turn-On Light Levels	16 ± 6 LUX
Turn-Off Light Levels	<65 LUX
ON /OFF Ratio	1:3
Time Delay	1 Second
Operating Temperature	-40°C to +70°C
Switch	>5000 ON/OFF Operations @Rated Load
Ingress Protection	IP66
Surge Protection	160J, 320J
Light Sensor	Cadmium Sulfide (CDS)
Power Consumption	≤ 0.7 watts at 120VAC
Cover	Anti-UV Impact Resistance Polycarbonate
Base	High Temperature Resistance Polybutylene Terephthalate
Fail Mode	ON
Sealed Relay	15A/240V
Dielectric Strength	3KV
Resistance to Moisture	96%
Interrupting Capacity	15A
Will operate down to	90VAC

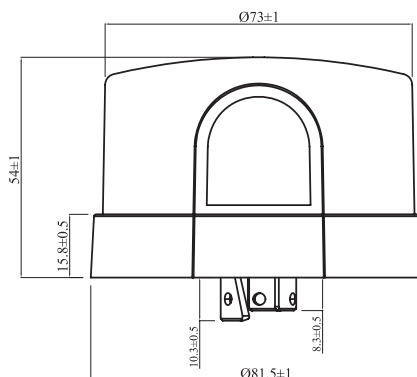
Ordering information

Item	Joules
AL520	Blank 160J
	3 320J

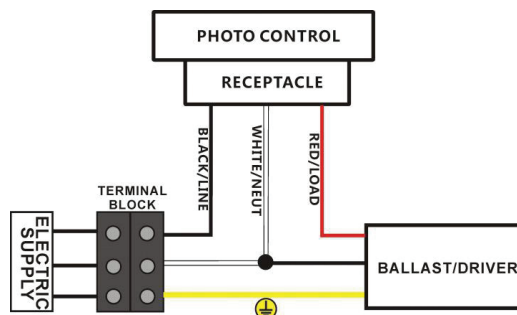
Packing information

Model	Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
AL520	1	100	42 x 34 x 36	0.0514

Dimensions (mm)

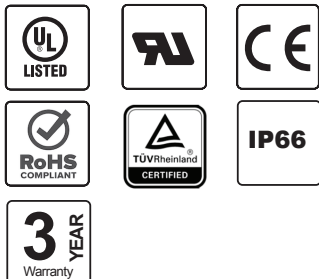


Wiring Diagram



Notes:

- Manufactured according to ISO certificate 9001
- Housing thickness 2 mm
- Net weight 120g

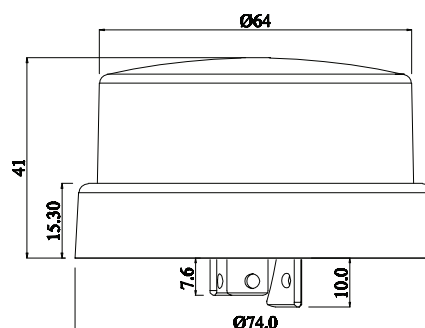


3-Pin Short Circuit Cap AL5SC

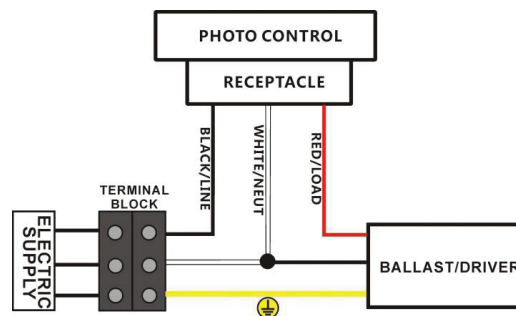
Technical Parameters

Standard	ANSI C136.10 & UL773
Rated Volts	0-480V
Frequency	50/60 Hz
Rated Load	15A
Ingress Protection	IP66
Cover	Anti-UV Impact Resistance Polycarbonate
Base	High Temperature Resistance Polybutylene Terephthalate

Dimensions (mm)



Wiring Diagram



Ordering information

Item	Color
AL5SC	Blank Black B Blue (clear) R Red

Notes:

- Manufactured according to ISO certificate 9001
- Housing thickness 1.5 mm
- Net weight 50g

Packing information

Model	Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
AL5SC	1	100	38.5 x 31 x 32	0.0381



Mounting Receptacle

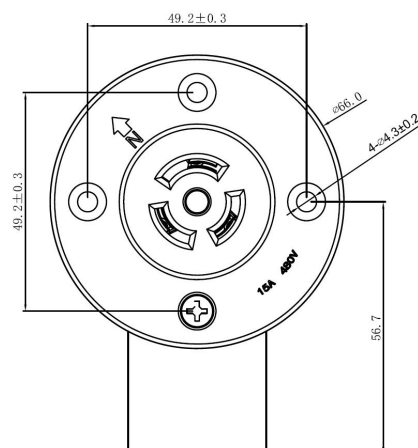
AL645C



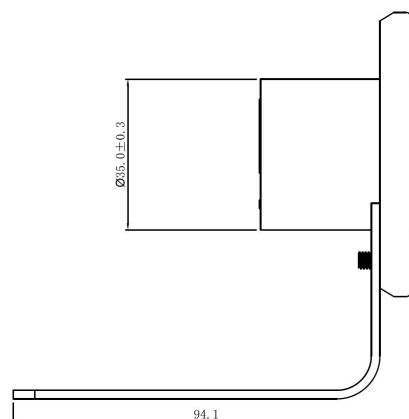
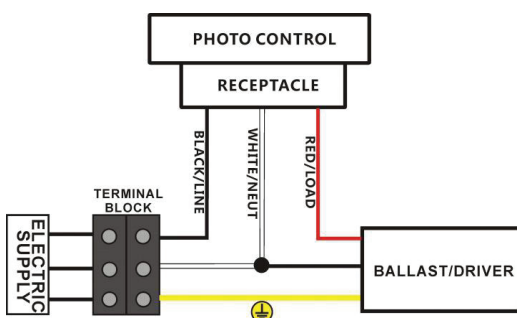
Dimensions (mm)

Technical Parameters

Rated Volts	480VAC MAX
Frequency	50/60 Hz
Rated Load	15A MAX
Operating Temperature	-40°C to +70°C
Related Humidity	99%
Insulation	3000V /60Hz / 1 min
Housing	Bakelite
Bracket	Steel Iron
Wire	UL1015 18AWG X 20cm



Wiring Diagram



Packing information

Model	Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)	Gross Weight (KGS)
AL645C	1	100	38.5 x 31 x 32	0.0381	15.5

5/7 Pin Photobase Tool-Free AL635



5 Pin



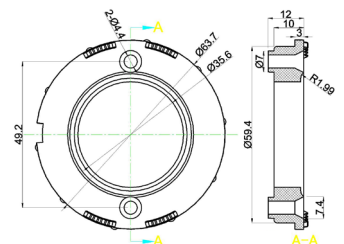
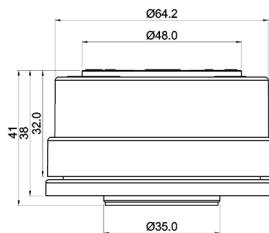
7 Pin



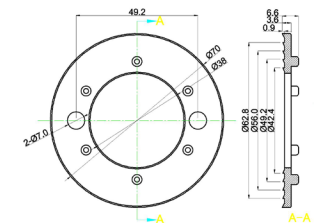
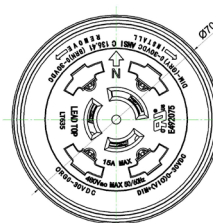
Technical Parameters

Standard	ANSI C136.41 & UL773
Frequency	50/60 Hz
Voltage Rating	Power Contacts: 480V Dimming Contacts: 30V
Current Rating	Power Contacts: 15A Dimming Contacts: 0.25A
Operating Temp.	-40°C to +70°C
Related Humidity	99%
Insulation	3000V / 60Hz / 1 min
Housing	PA 66
Power Pin	3* Phosphor Copper
Dimming / Signal Contact Pin	2 or 4* Phosphor Copper with Gold Plated Based on ANSI C136.41
Wire	Power Line: UL1015 14AWG (16AWG) Signal Line: UL1015 18AWG
Accessory	Silicon Gaskets Installation Ring

Dimensions (mm)

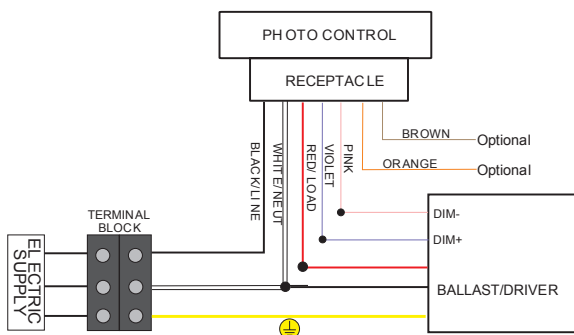


Installation Ring



Bottom Gasket

Wiring Diagram



Ordering information

Item	Pins	Power Line Option	Wire Length
AL635	7P	W14 UL1015 14AWG	2 20 cm
	5P	W16 UL1015 16AWG	3 30 cm
			5 50 cm
			6 60 cm

Packing information

Model	Pcs per Inner box	Pcs per master	Master Box Dimensions (CM)	CBM (Carton)	Gross Weight (KGS)
AL635-7P / AL635-5P	1	100	42 x 34 x 36	0.0514	13.8



3 Pin Photobase

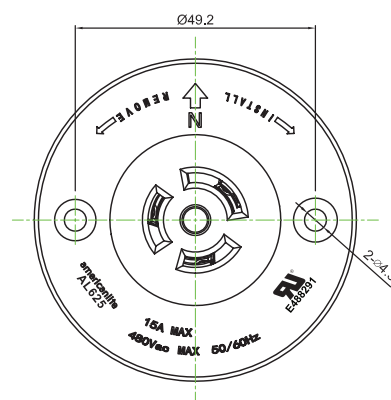
AL625



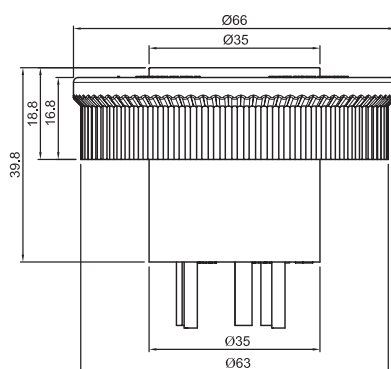
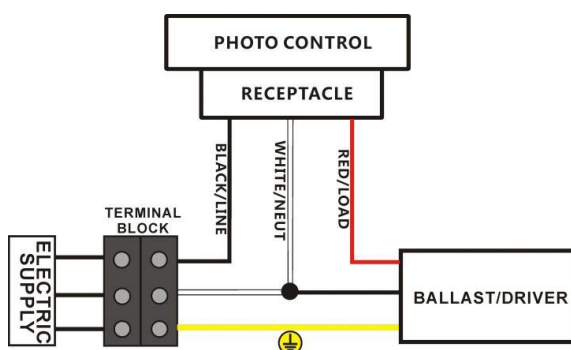
Technical Parameters

Standard	ANSI C136.10 & UL773
Frequency	50/60 Hz
Voltage Rating	480V Max
Rated Load	15A Max
Operating Temp.	-40°C to +70°C
Related Humidity	99%
Insulation	3000V / 60Hz / 1 min
Housing	Bakelite
Accessory	Silicon Gaskets

Dimensions (mm)



Wiring Diagram



Ordering information

Item	Power Line Option	Wire Length
AL625	W14 UL1015 14AWG	2 20 cm
	W16 UL1015 16AWG	3 30 cm
		5 50 cm

Packing information

Model	Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)	Gross Weight (KGS)
AL625	1	100	38.5 x 31.5 x 33	0.0400	13.9

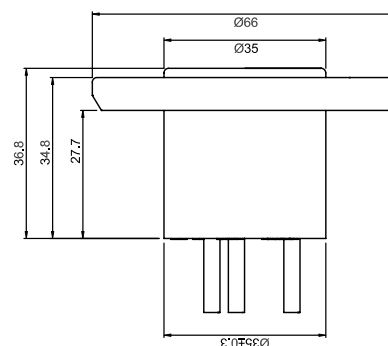


3 Pin Photobase

AL645

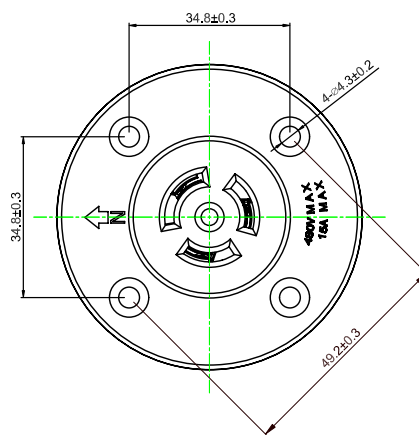


Dimensions (mm)

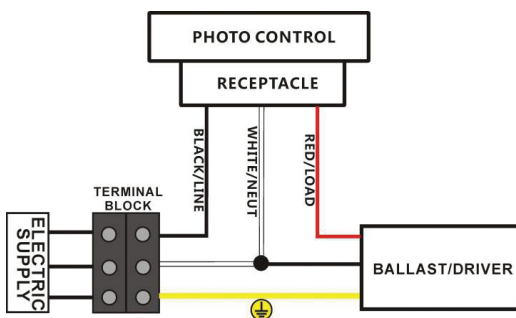


Technical Parameters

Rated Volts	480VAC MAX
Frequency	50/60 Hz
Rated Load	15A MAX
Operating Temperature	-40°C to +70°C
Related Humidity	99%
Insulation	3000V /60Hz / 1 min
Housing	Bakelite
Cable	UL1015 16 AWG x 20cm
Accessory	Silicone Gasket



Wiring Diagram



Packing information

Model	Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)	Gross Weight (KGS)
AL645	1	100	38.5 x 31 x 32	0.0382	12.5

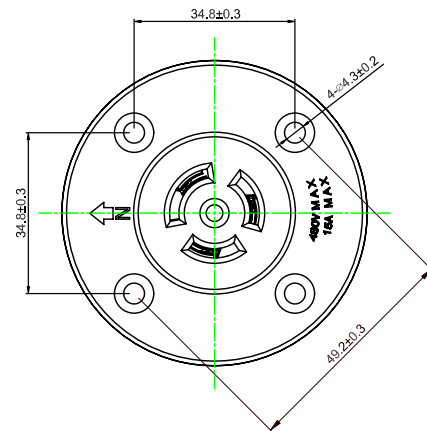
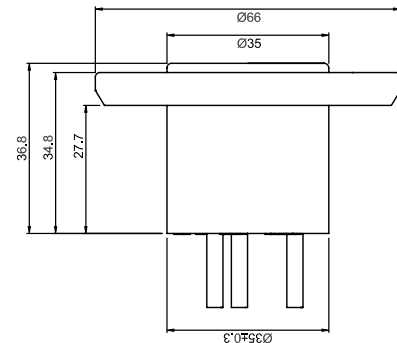


3 Pin Photobase

AL645NB



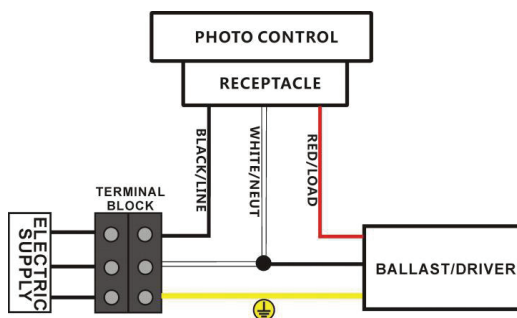
Dimensions (mm)



Technical Parameters

Rated Volts	480VAC MAX
Frequency	50/60 Hz
Rated Load	15A MAX
Operating Temperature	-40°C to +70°C
Related Humidity	99%
Insulation	3000V /60Hz / 1 min
Housing	Bakelite
Cable	UL1015 18 AWG x 20cm
Accessory	Silicone Gasket

Wiring Diagram



Packing information

Model	Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)	Gross Weight (KGS)
AL645NB	1	100	38.5 x 31 x 32	0.0382	11.8



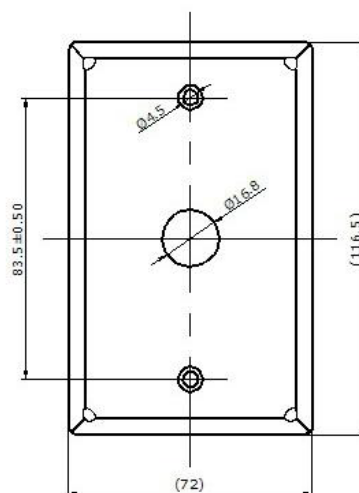
Wire-In Thermal Type Photo control & Faceplate



Technical Parameters

Standard	ANSI C136.24 & UL773A
Rated Volts	120V/240V/208-277V
Frequency	50/60 Hz
Color	Silver faceplate
Turn-On Light Levels	10-16 LUX
Turn-Off Light Levels	<65 LUX
Time Delay	30-180 Seconds
ON /OFF Ratio	1:5
Operating Temperature	-40°C to +70°C
Switch	>5000 ON/OFF Operations @Rated Load
Fail Mode	ON
Light Sensor	Cadmium Sulfide (Cds) Cell
Power Consumption	≤ 0.7 watts at 120VAC
Housing	Anti-UV Impact Resistance Polycarbonate (PC)
Cable	UL1015 18AWG x 16cm

Dimensions (mm)



Ordering information

Item	Rated Voltage	Rated Tungsten (W)	Rating Ballast (VA)	Rating E-Ballast (A)
AL550000	120V	1800W	1800VA	5A
AL550001	240V	2000W	2000VA	5A
AL550002	208-277V	2000W	2000VA	5A

Packing information

Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
1	100	49 x 39 x 26	0.0497



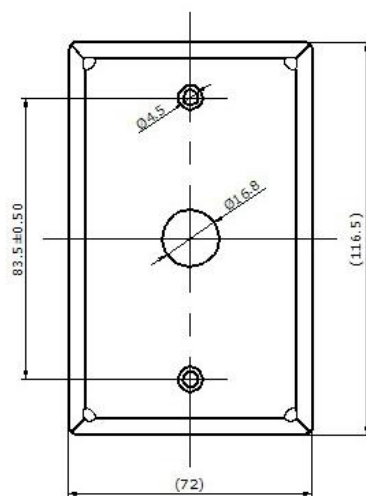
Wire-In Electronic Type Zero-Cross Detection Photo control & Faceplate



Technical Parameters

Standard	ANSI C136.24 & UL773A
Rated Volts	120-277V (applicable 105V-305V)
Frequency	50/60 Hz
Color	Silver faceplate
Turn-On Light Levels	16 ± 6 LUX
Turn-Off Light Levels	24 ± 6 LUX
Time Delay	3-15 Seconds
ON /OFF Ratio	1:1.5
Operating Temperature	-40°C to +70°C
Switch	>10000 ON/OFF Operations @Rated Load
Fail Mode	ON/OFF
Light Sensor	IR Filter Phototransistor
Power Consumption	≤ 0.5 watts at 120VAC
Housing	Anti-UV Impact Resistance Polycarbonate (PC)
Cable	UL1015 18AWG x 16cm

Dimensions (mm)



Ordering information

Item	Options	Zero Cross Function	Rating E-Ballast (A)
AL550003	Blank Fail On X Fail Off	Blank None	1 2A 2 5A

Packing information

Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
1	100	49 x 39 x 26	0.0497



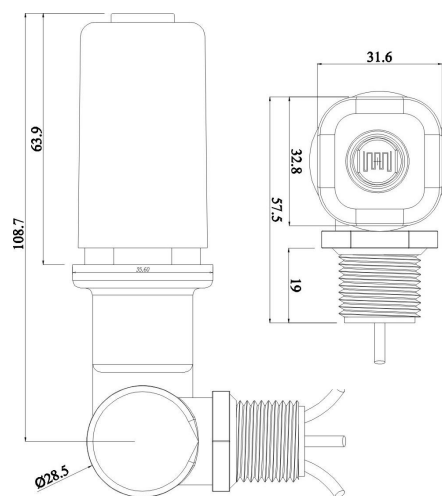
Wire-In Thermal Type Photo control



Technical Parameters

Standard	ANSI C136.24 & UL773A
Rated Volts	120V/240V/208-277V
Frequency	50/60 Hz
Color	Grey
Turn-On Light Levels	10-16 LUX
Turn-Off Light Levels	<65 LUX
Time Delay	30-180 Seconds
ON /OFF Ratio	1:5
Operating Temperature	-40°C to +70°C
Switch	>5000 ON/OFF Operations @Rated Load
Fail Mode	ON
Light Sensor	Cadmium Sulfide (Cds) Cell
Power Consumption	≤ 0.7 watts at 120VAC
Housing	Anti-UV Impact Resistance Polycarbonate (PC)
Cable	UL1015 18AWG x 16cm

Dimensions (mm)



Ordering information

Item	Rated Voltage	Rated Tungsten (W)	Rating Ballast (VA)	Rating E-Ballast (A)
AL550004	120V	1800W	1800VA	5A
AL550005	240V	2000W	2000VA	5A
AL550006	208-277V	2000W	2000VA	5A

Packing information

Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
1	100	51 x 31 x 20	0.0316



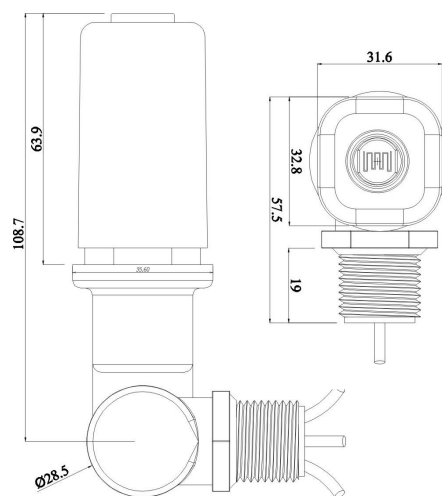
Wire-In Electronic Type Zero-Cross Detection Photo control



Technical Parameters

Standard	ANSI C136.24 & UL773A
Rated Volts	120-277V (applicable 105V-305V)
Frequency	50/60 Hz
Color	Grey
Turn-On Light Levels	16 ± 6 LUX
Turn-Off Light Levels	24 ± 6 LUX
Time Delay	3-15 Seconds
ON /OFF Ratio	1:1.5
Operating Temperature	-40°C to +70°C
Switch	>10000 ON/OFF Operations @Rated Load
Fail Mode	ON/OFF
Light Sensor	IR Filter Phototransistor
Power Consumption	≤ 0.5 watts at 120VAC
Housing	Anti-UV Impact Resistance Polycarbonate (PC)
Cable	UL1015 18AWG x 16cm

Dimensions (mm)



Ordering information

Item	Options	Zero Cross Function	Rating E-Ballast (A)
AL550007	Blank Fail On X Fail Off	Blank None	1 2A 2 5A 3 8A

Packing information

Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
1	100	51 x 31 x 20	0.0316

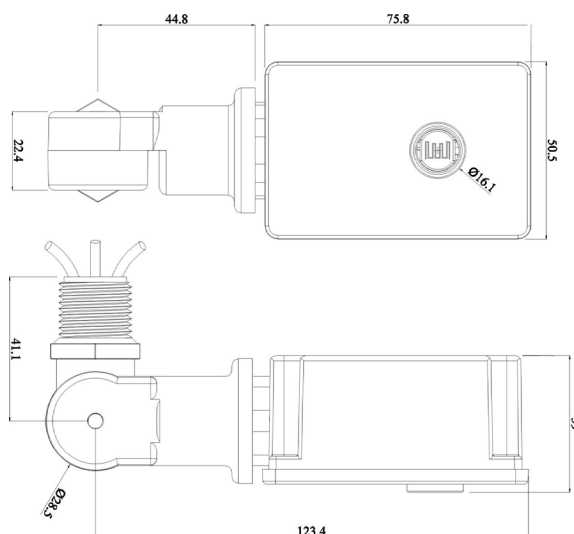


Wire-In Thermal Type Photo control

Technical Parameters

Standard	ANSI C136.24 & UL773A
Rated Volts	120V/240V/208-277V
Frequency	50/60 Hz
Color	Grey
Turn-On Light Levels	10-16 LUX
Turn-Off Light Levels	<65 LUX
Time Delay	30-180 Seconds
ON /OFF Ratio	1:5
Operating Temperature	-40°C to +70°C
Switch	>5000 ON/OFF Operations @Rated Load
Fail Mode	ON
Light Sensor	Cadmium Sulfide (Cds) Cell
Power Consumption	≤ 0.7 watts at 120VAC
Housing	Anti-UV Impact Resistance Polycarbonate (PC)
Cable	UL1015 18AWG x 16cm

Dimensions (mm)



Ordering information

Item	Rated Voltage	Rated Tungsten (W)	Rating Ballast (VA)	Rating E-Ballast (A)
AL550008	120V	1800W	1800VA	5A
AL550009	240V	2000W	2000VA	5A
AL550010	208-277V	2000W	2000VA	5A

Packing information

Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
1	100	49 x 30 x 37	0.0543



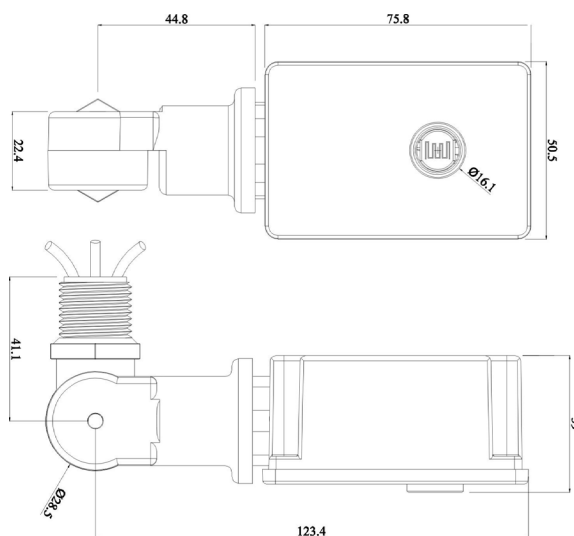
Wire-In Electronic Type Photo control



Technical Parameters

Standard	ANSI C136.24 & UL773A
Rated Volts	120-277V (applicable 105V-305V)
Frequency	50/60 Hz
Color	Grey
Turn-On Light Levels	16 ± 6 LUX
Turn-Off Light Levels	24 ± 6 LUX
Time Delay	3-5 Seconds
ON /OFF Ratio	1:1.5
Operating Temperature	-40°C to +70°C
Switch	>10000 ON/OFF Operations @Rated Load
Fail Mode	ON/OFF
Light Sensor	IR Filter Phototransistor
Power Consumption	≤ 0.5 watts at 120VAC
Housing	Anti-UV Impact Resistance Polycarbonate (PC)
Cable	UL1015 18AWG x 16cm

Dimensions (mm)



Ordering information

Item	Options	Zero Cross Function	Rating E-Ballast (A)
AL550011	Blank Fail On	Blank None	1 2A
	X Fail Off	Z Zero Cross	2 5A
			3 8A

Packing information

Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
1	100	49 x 30 x 37	0.0543



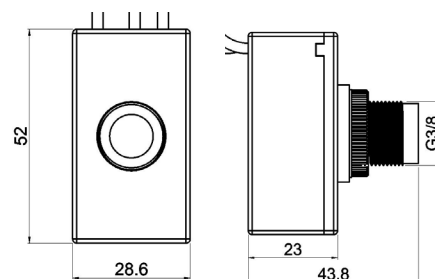
Wire-In Electronic Type Zero-Cross Detection Photo control



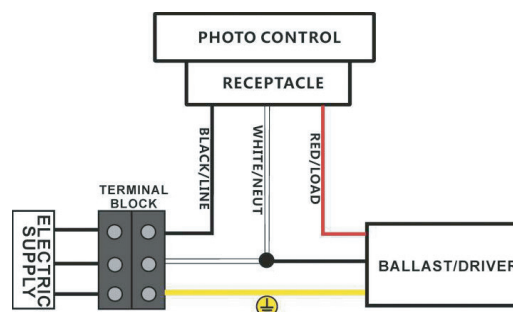
Technical Parameters

Standard	ANSI C136.24 & UL773A
Rated Volts	120V-277V (applicable: 105V-305V)
Frequency	50/60 Hz
Color	Black
Turn-On Light Levels	10-16 LUX
Turn-Off Light Levels	16-24 LUX
Time Delay	3-15 Seconds
ON /OFF Ratio	1:1.5
Operating Temperature	-40°C to +70°C
Switch	>10000 ON/OFF Operations @Rated Load
Fail Mode	ON
Light Sensor	IR Filter Phototransistor
Power Consumption	≤ 0.7 watts at 120VAC
Housing	Anti-UV Impact Resistance Polycarbonate (PC)
Cable	UL1015 18AWG x 16cm

Dimensions (mm)



Wiring Diagram



Ordering information

Item	Volts	Tungsten (W)	Ballast (VA)	E-Ballast (A)	Options
AL550018	120V-277V	1000W	1800VA	1.2A	Blank Fail ON
AL550019	120V-277V	1000W	1800VA	2.5A	X Fail OFF

Notes:

- Manufactured according to ISO certificate 9001
- Housing thickness 1.5 mm
- Net weight 45g

Packing information

Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
2	200	34 x 21 x 33.5	0.0239



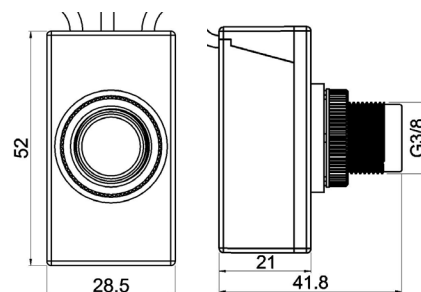
Wire-In Thermal Type Photo control



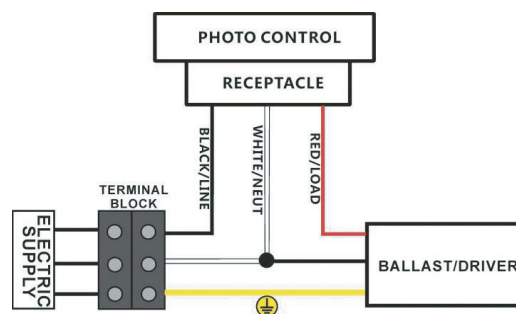
Technical Parameters

Standard	ANSI C136.24 & UL773A
Rated Volts	120V/240V/208-277V
Frequency	50-60 Hz
Color	Black
Turn-On Light Levels	10-16 LUX
Turn-Off Light Levels	<65 LUX
Time Delay	30-180 Seconds
ON /OFF Ratio	1:5
Operating Temperature	-40°C to +70°C
Switch	>5000 ON/OFF Operations @Rated Load
Fail Mode	ON
Light Sensor	Cadmium Sulfide (CdS) Cell
Power Consumption	≤ 0.7 watts at 120VAC
Housing	Anti-UV Impact Resistance Polycarbonate (PC)
Cable	UL1015 18AWG x 16cm

Dimensions (mm)



Wiring Diagram



Ordering information

Item	Volts	Tungsten (W)	Ballast (VA)	E-Ballast (A)
AL550012	120V	1800W	1800VA	5A
AL550013	240V	2000W	2000VA	5A
AL550014	208-277V	2000W	2000VA	5A

Notes:

- Manufactured according to ISO certificate 9001
- Housing thickness 1.5 mm
- Net weight 45g

Packing information

Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
2	200	34 x 21 x 33.5	0.0239



AL551000



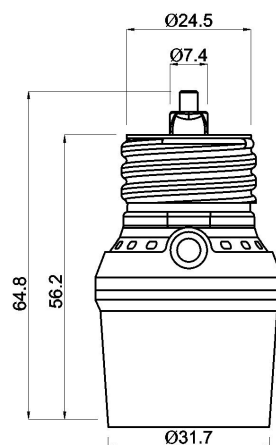
Photo control Lampholder

- Compatible with Incandescent, CFL & LED bulbs
- Self-Tightening Dusk to Dawn Light Control
- No wiring required simply screw-in
- Turns light On at dusk, Off at dawn
- Compact design fits smaller enclosed outdoor fixtures
- Weather resistant and reliable solid state circuitry
- Spring thimble on top, adjustable for the phototransistor sensor's orientation to face the different direction of sunlight

Technical Parameters

Standard	UL496
Rated Volts	120V/240V
Rated Load	150w Max
Frequency	50/60 Hz
Fail Mode	ON
Turn-On Light Levels	10-16 Lux
Turn-Off Light Levels	<65 Lux
Action Time	3-5 sec
Operating Temperature	-40°C to +70°C
Related Humidity	96%
Switch	>5000 ON/OFF Operation at Rated Load
Power Consumption	≤ 0.7 watts at 120VAC
Lamp Cap	E26 / E27
Lamp Holder	E26 / E27

Dimensions (mm)



Packing information

Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
2	200	39 x 31 x 22.5	0.0272



AL551001

Photo control Lampholder

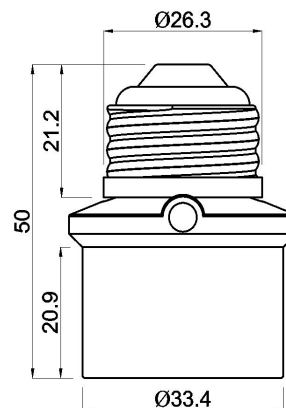
- Compatible with Incandescent, CFL & LED bulbs
- Self-Tightening Dusk to Dawn Light Control
- No wiring required simply screw-in
- Turns light On at dusk, Off at dawn
- Compact design fits smaller enclosed outdoor fixtures
- Weather resistant and reliable solid state circuitry



Technical Parameters

Standard	UL496
Rated Volts	120V/240V
Rated Load	150w Max
Frequency	50/60 Hz
Fail Mode	ON
Turn-On Light Levels	10-16 Lux
Turn-Off Light Levels	<65 Lux
Action Time	3-5 sec
Operating Temperature	-40°C to +70°C
Related Humidity	96%
Switch	>5000 ON/OFF Operation at Rated Load
Power Consumption	≤ 0.7 watts at 120VAC
Lamp Cap	E26 / E27
Lamp Holder	E26 / E27

Dimensions (mm)



Packing information

Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
2	200	42.2 x 40 x 40	0.0675



AL551003

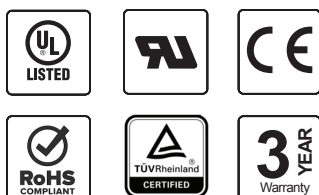


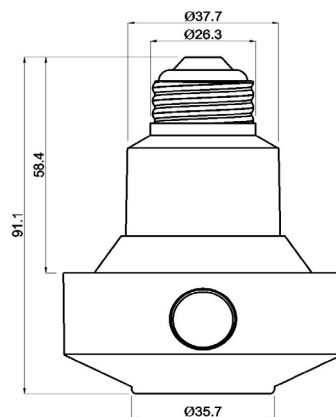
Photo control Lampholder

- Compatible with Incandescent, CFL & LED bulbs
- Self-Tightening Dusk to Dawn Light Control
- No wiring required simply screw-in
- Turns light On at dusk, Off at dawn
- Compact design fits smaller enclosed outdoor fixtures
- Weather resistant and reliable solid state circuitry
- With removable light shield that can be rotatable to receive the brightness range, or can be removed if not needed

Technical Parameters

Standard	UL496
Rated Volts	120V/240V
Rated Load	150w Max
Frequency	50/60 Hz
Fail Mode	ON
Turn-On Light Levels	10-16 Lux
Turn-Off Light Levels	<65 Lux
Action Time	3-5 sec
Operating Temperature	-40°C to +70°C
Related Humidity	96%
Switch	>5000 ON/OFF Operation at Rated Load
Power Consumption	≤ 0.7 watts at 120VAC
Lamp Cap	E26 / E27
Lamp Holder	E26 / E27

Dimensions (mm)



Packing information

Pieces per Inner box	Pieces per master	Master Box Dimensions (CM)	CBM (Carton)
1	200	39 x 37.5 x 37.5	0.0548