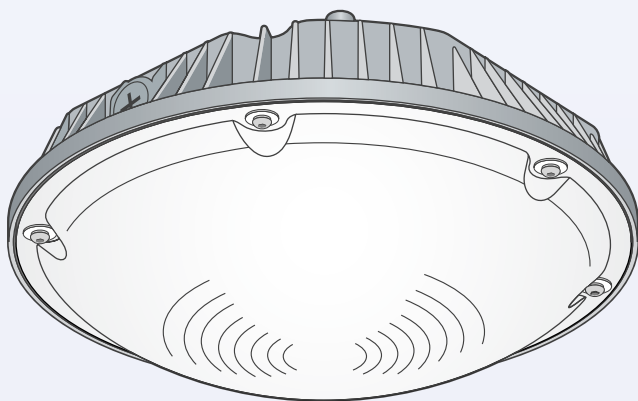


LITETRONICS®

LED Garage Light

Installation Instructions

Ordering Code: GL Series (with and without sensor)



PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION

TABLE OF CONTENTS

Surface mount with junction box installation	2
Pendant installation	3
Surface mount with side wiring installation	4
Sensor setup (applicable for sensor model only)	6
1-10V installation (applicable for without sensor models)	9

SAFETY INSTRUCTIONS AND WARNINGS

WHEN USING ELECTRICAL EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE OBSERVED INCLUDING THE FOLLOWING:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

- Installation should only be conducted by a qualified electrician in accordance with NEC and any relevant local building codes.
- Risk of fire or electric shock. Garage Light installation requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- Be certain electrical power is OFF before and during installation and maintenance.
- Garage Lights must be connected to a wiring system with an equipment-grounding conductor.
- Make sure the supply voltage is the same as the rated Garage Lights voltage.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or sharp objects.

SAVE THESE INSTRUCTIONS

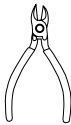
TOOLS AND MATERIALS NEED FOR INSTALLATION



Step Ladder



Wire Stripper



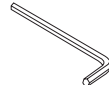
Wire Cutters



Drill



Phillips Screwdriver



Allen Wrench (3mm)

WHAT COMES IN THE BOX



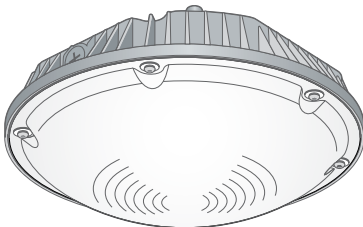
(4) Screws



(4) Anchors



(1) 3/4" Plug



LED Garage Light

AVAILABLE ACCESSORY

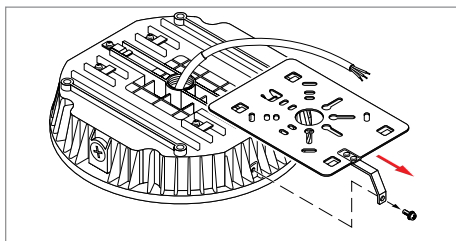


Remote Control
(SCR051)

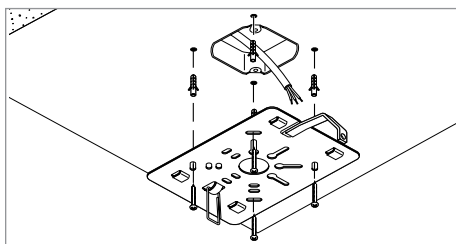
GARAGE LIGHT SURFACE MOUNT WITH JUNCTION BOX INSTALLATION

READ ALL INSTRUCTION BEFORE BEGINNING INSTALLATION

1. To get started, turn off the power at the circuit breaker. Then, loosen the screw on the side of the housing and pull out the connecting plate.

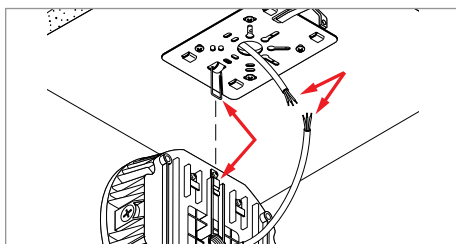


2. Fix the connecting plate onto the ceiling and put the wire through center hole using the mounting screws and anchors included.

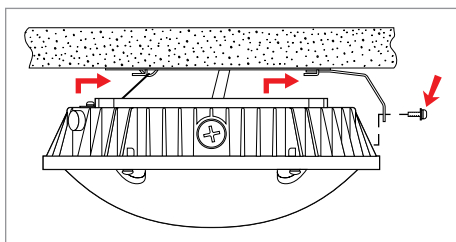


3. Buckle the connecting plate into the clips and let it hang to connect the wires as the below shows.

BLACK	○	LINE (L)
WHITE	○	NEUTRAL (N)
GREEN/YELLOW	○	GROUND (≡)



4. Slide lamp back into the connecting plate and fix the screw that was removed in step two.

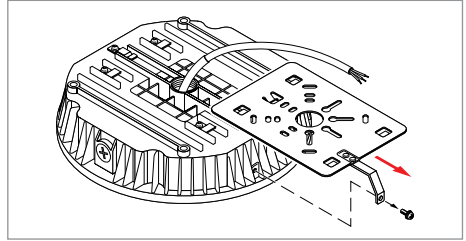


5. Restore the power.

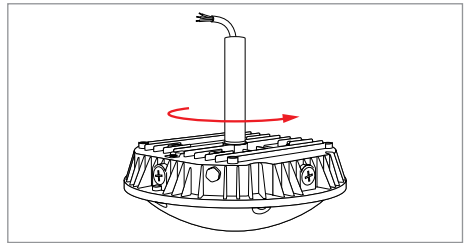
GARAGE LIGHT PENDANT WITH 3/4" CONDUIT INSTALLATION

READ ALL INSTRUCTION BEFORE BEGINNING INSTALLATION

1. To get started, turn off the power at the circuit breaker. Then, loosen the screw on the side of the housing and pull out the connecting plate. The plate will not be used again for pendant installations.

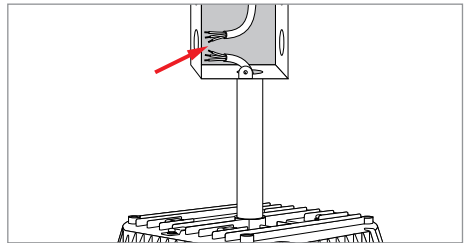


2. Route the wire through conduit pipe. Screw the lamp and conduit pipe together tightly.



3. Connect the wires as below shows.

BLACK	○	LINE (L)
WHITE	○	NEUTRAL (N)
GREEN/YELLOW	○	GROUND (≡)

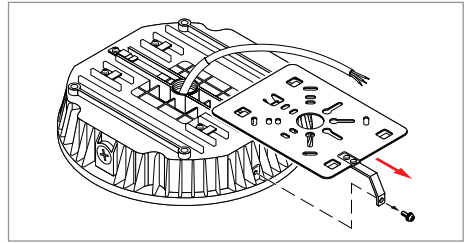


4. Restore the power.

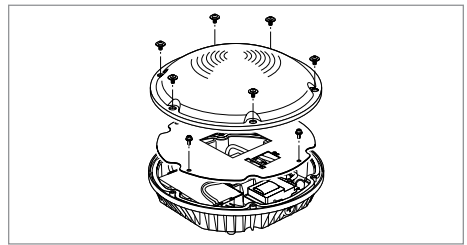
GARAGE LIGHT SURFACE MOUNT WITH SIDE WIRING INSTALLATION

READ ALL INSTRUCTION BEFORE BEGINNING INSTALLATION

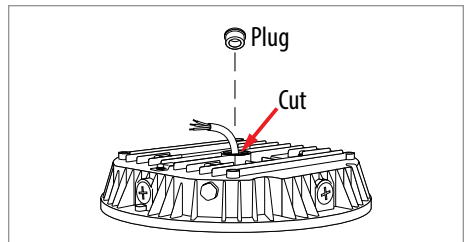
1. To get started, turn off the power at the circuit breaker. Then, loosen the screw on the side of the housing and pull out the connecting plate.



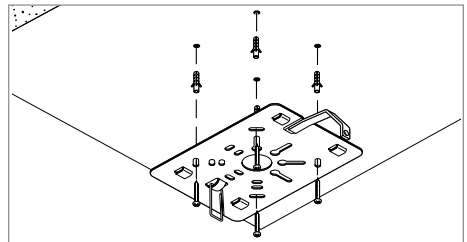
2. Remove the lens by using Allen wrench and metal cover in the middle by using screw driver.



3. Cut off wires coming out of 3/4" hole and seal the hole with provided plug.



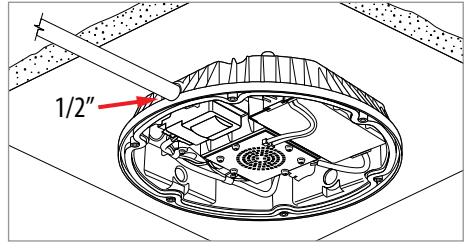
4. Fix the connecting plate onto the ceiling using the mounting screws and anchors included.



GARAGE LIGHT

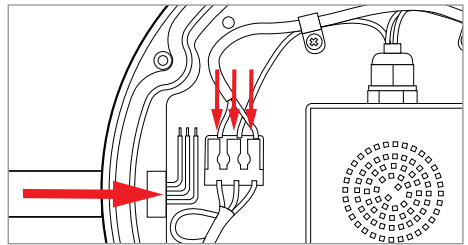
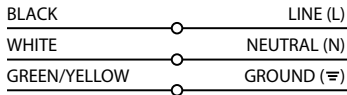
SURFACE MOUNT WITH SIDE WIRING INSTALLATION

5. Slide lamp back into the connecting plate and fix the screw. Then, remove 1/2" plug from the direction you intend to connect the conduit.

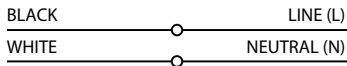


6. Relocate the wires from 3/4" hole to 1/2" hole and pass through the conduit and connect as below shows.

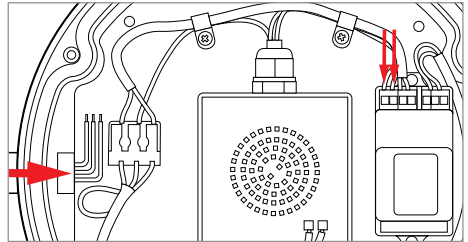
WITHOUT SENSOR



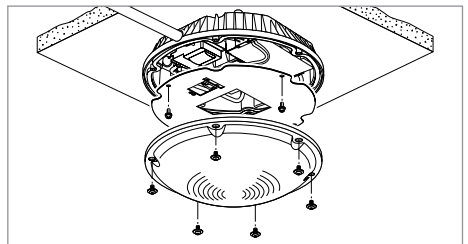
WITH SENSOR



Note:
Additional length of wires may be required.



7. Put back the middle metal cover and lens, make sure no wires are pinched or exposed during the whole process.

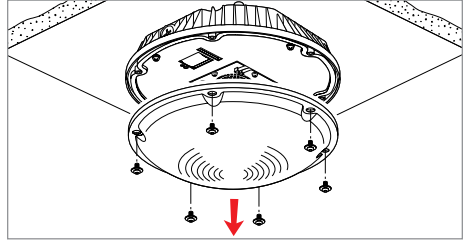


8. Restore the power.

GARAGE LIGHT SENSOR SETUP

APPLICABLE WITH SENSOR MODEL ONLY. READ ALL INSTRUCTION BEFORE BEGINNING INSTALLATION

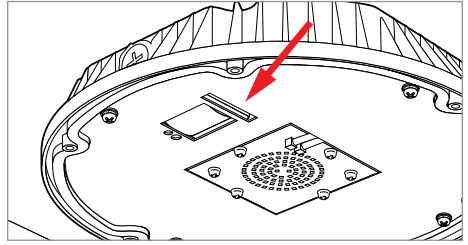
1. To get started, turn off the power at the circuit breaker. Remove the lens.



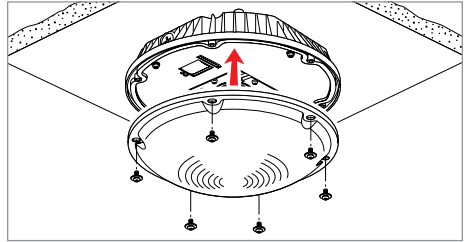
2. Adjust the combination of DIP switches with appropriate tool according to needs. See Sensor Settings on page 7 for descriptions and a functionality for the DIP switch.

NOTE:

Sensor settings can be done with help of remote accessory (SCR051) sold separately.



3. Put back the lens and check the function of sensor.




4. Restore the power.

GARAGE LIGHT SENSOR SETUP


SENSOR SETTINGS

By selecting the combination on the DIP switch, sensor data can be precisely set for each specific application.

		1	2	
	I	ON	ON	100%
	II	ON	—	75%
	III	—	ON	50%
	IV	—	—	25%


Detection area

Detection area can be reduced by selecting the appropriate combination on the DIP switches.

		3	4	5	
	I	ON	ON	ON	8s
	II	ON	—	ON	30s
	III	—	ON	ON	1min
	IV	ON	—	—	5min
	V	—	ON	—	10min
	VI	—	—	ON	15min
VII	—	—	—	30min	


Hold Time

Sets the time period the lamp remains at 100% illumination after no motion detected.

		6	7	8	
	I	ON	ON	ON	0s
	II	ON	—	ON	1min
	III	—	ON	ON	3min
	IV	ON	—	—	5min
	V	—	ON	—	10min
	VI	—	—	ON	30min
VII	—	—	—	+∞	

Stand-by period

Controls the time period the lamp remains at a low light level before it completely switches off in the long absence of people. When set to +∞, the low light is maintained until motion is detected.

		3	4	5	6	
	I	ON	ON	ON	ON	5Lux
	II	—	ON	ON	ON	15Lux
	III	ON	—	ON	ON	30Lux
	IV	—	—	ON	ON	50Lux
	V	ON	ON	—	ON	100Lux
	VI	ON	ON	ON	—	150Lux
VII	—	—	—	—	Disable	


Daylight sensor

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold.

When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.

Note that daylight sensor is active only when lamp totally switches off.

GARAGE LIGHT SENSOR SETUP


ON ↑ 		1	2	
	I	ON	ON	10%
	II	ON	—	20%
	III	—	ON	30%
IV	—	—	40%	

Stand-by dimming level

Determines the light level you would like to have after the hold time in the long absence of people.

Default Settings

Sensor will come with default settings as shown.

ON ↑ 	1	2	3	4	5	6	7	8
	ON	ON	ON	—	ON	ON	—	ON

Default Daylight Settings

Sensor will come with default daylight settings as shown.

ON ↑ 	1	2	3	4	5	6
	—	—	ON	—	ON	ON

NOTE:

Sensor settings can be done with help of remote accessory (SCR051) sold separately.



Remote Control
(SCR051)

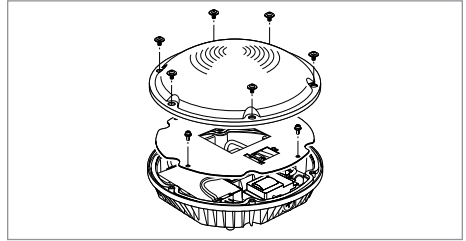
TROUBLESHOOTING

REASON	CAUSE	REMEDY
The load will not illuminate	Incorrect daylight sensor setting selected.	Adjust setting.
	Load had failed.	Replace load.
	Power is switched off.	Switch on.
The load is permanently illuminated.	Continuous movement in the detection area.	Check detection area setting.
	The lamp (Containing sensor) is installed in an area too close to reflective surfaces, i.e. metal, glass or concrete walls.	<ul style="list-style-type: none"> Make sure installation area suitable with at least 30 cm space between lamp and surrounding reflective surfaces. Reduce sensitivity (Detection are).
The load will not illuminate despite movement.	Speed of moving object is not in the range of 0.5~3m/s or the detection radius is too small.	Check detection area setting.

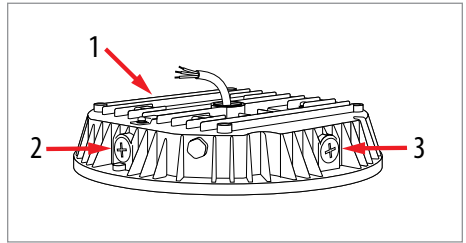
GARAGE LIGHT 1-10V DIMMING INSTALLATION

READ ALL INSTRUCTION BEFORE BEGINNING INSTALLATION

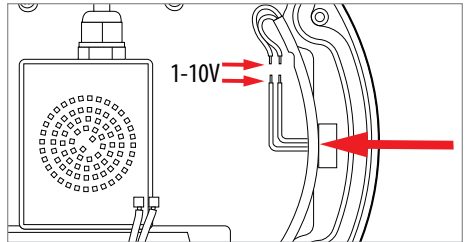
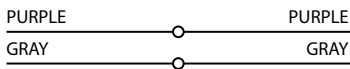
1. To get started, turn off the power at the circuit breaker. Remove the lens by using Allen wrench and metal cover in the middle by using screw driver.



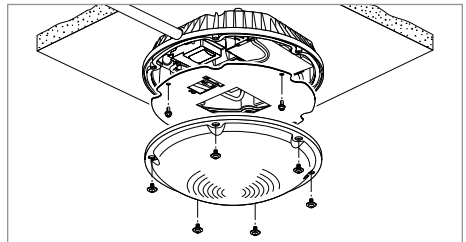
2. Remove 1/2" plug from any of the three directions you intend to connect the conduit.



3. Pass 1-10V wires through the conduit and connect as below shows.



4. Put back the middle metal cover and lens, make sure no wires are pinched or exposed during the whole process.



5. Restore the power.

NOTES

Thank you for choosing

LITETRONICS®

6969 W. 73rd Street
Bedford Park, IL 60638

WWW.LITETRONICS.COM

CustomerService@Litetronics.com or 1-800-860-3392

