INTEGRITY LED

LED EDGE-LIT CANOPY WITH Q-BASE

CAN09S series



DESIGN: LED SQUARE EDGE-LIT CANOPY WITH Q-BASE has a built-in motion sensor base, allowing you to install the microwave PIR motion sensor. Die-cast aluminum housing with excellent heat dissipation along with an anti-glare PC lens provide many years of use. It is designed to operate on 120-277V circuits with a 0-10V dimmable driver.

VARIETY: The fixtures are available in White and Black finishes.

COLOR AND POWER SELECTABLE: You can choose either a 3,000K warm white, 4,000K cool white or 5,000K daylight color temperature, and change the power with a simple switch.

SURGE PROTECTION: 6kV protects the fixture from voltage spikes and current surges.

INSTALLATION: The fixture is Wet location rated and can be either surface mounted or pole mounted. Perfect commercial or industrial solution for parking garages, gas stations, stairwells, passageways, underpasses, and many other applications.

ADVANTAGES: With calculated lifespan up to 150,000 hours, these fixtures are made to last decades under normal operation! Integrity LED provides a 5-year limited warranty along with UL and DLC Premium certifications to guarantee top quality products and safety!

OPTIONS:

MODELS WITH BATTERY BACK-UP. The built-in battery backup provides 90 minutes of power in the case of an emergency.

MODELS WITH PHOTOCELL. The built-in dusk-to-dawn photocell automatically controls the fixture based on ambient light and can be disabled with the ON/OFF switch. During emergency operation, the photocell is automatically bypassed.

White Black

FINISH

Motion Sensor | Wet location | IP69K

PRODUCT PRESENTATION

MODEL	POWER	SENSOR BASE	VOLTAGE	DIMMING	LUMENS	CCT	FINISH	DIMENSIONS	PRE-INSTALLED	CERTIFICATION
CAN09S										
IL-CAN09S-A50WH	30/40/50W	3-pin	120-277V	0-10V	6,986lm	3,000/4,000/5,000 K	White	10" x 10" x 3-1/16"	Photocell	UL (E473804), DLC Premium
IL-CAN09S-A50BK	30/40/50W	3-pin	120-277V	0-10V	6,986lm	3,000/4,000/5,000 K	Black	10" x 10" x 3-1/16"	Photocell	UL (E473804), DLC Premium
IL-CAN09S-A80WH	50/70/80W	3-pin	120-277V	0-10V	11,538lm	3,000/4,000/5,000 K	White	10" x 10" x 3-1/16"	Photocell	UL (E473804), DLC Premium
IL-CAN09S-A80BK	50/70/80W	3-pin	120-277V	0-10V	11,538lm	3,000/4,000/5,000 K	Black	10" x 10" x 3-1/16"	Photocell	UL (E473804), DLC Premium
IL-CAN09S-A100WH	60/70/100W	3-pin	120-277V	0-10V	14,448lm	3,000/4,000/5,000 K	White	10-1/16" x 10-1/16" x 2-3/4"	-	UL (E473804), DLC Premium
IL-CAN09S-A100BK	60/70/100W	3-pin	120-277V	0-10V	14,448lm	3,000/4,000/5,000 K	Black	10-1/16" x 10-1/16" x 2-3/4"	-	UL (E473804), DLC Premium
IL-CAN09S-A200BK	100/150/200W	3-pin	120-277V	0-10V	28,899lm	3,000/4,000/5,000 K	Black	17-15/16" x 17-15/16" x 3-1/2"	Photocell	UL (E473804), DLC Premium
CAN09S-EM WITH BATTERY BACK-UP										
IL-CAN09S-A80WH-8EM	50/70/80W	3-pin	120-277V	0-10V	11,538lm	3,000/4,000/5,000 K	White	10" x 10" x 3-1/16"	8W Battery back-up, Photocell	UL (E473804), DLC Premium
IL-CAN09S-A80BK-8EM	50/70/80W	3-pin	120-277V	0-10V	11,538lm	3,000/4,000/5,000 K	Black	10" x 10" x 3-1/16"	8W Battery back-up, Photocell	UL (E473804), DLC Premium

For detailed luminous flux information please refer to Annex 1, page 2.

For the most up-to-date spec sheets, visit integrityled.info

INTEGRITY LED
Commercial LED Lighting

Web: integrityled.info
Phone: (830) 538-0991

TECHNICAL PARAMETERS

MODEL	MAX INPUT CURRENT	INRUSH CURRENT	WORK ENVIRONMENT	OPERATING TEMPERATURE	POWER FACTOR	BEAM ANGLE	SURGE PROTECTION	HOUSING	LENS	CRI
CAN09S										
IL-CAN09S-A50WH	0.42A	80A	Wet location	-40°F to 122°F (-40°C to 50°C)	> 0.9	135°	6kV	Aluminum	PC	> 80
IL-CAN09S-A50BK	0.42A	80A	Wet location	-40°F to 122°F (-40°C to 50°C)	> 0.9	135°	6kV	Aluminum	PC	> 80
IL-CAN09S-A80WH	0.67A	80A	Wet location	-40°F to 122°F (-40°C to 50°C)	> 0.9	135°	6kV	Aluminum	PC	> 80
IL-CAN09S-A80BK	0.67A	80A	Wet location	-40°F to 122°F (-40°C to 50°C)	> 0.9	135°	6kV	Aluminum	PC	> 80
IL-CAN09S-A100WH	1A	50A	Wet location	-40°F to 122°F (-40°C to 50°C)	> 0.9	135°	6kV	Aluminum	PC	> 80
IL-CAN09S-A100BK	1A	50A	Wet location	-40°F to 122°F (-40°C to 50°C)	> 0.9	135°	6kV	Aluminum	PC	> 80
IL-CAN09S-A200BK	1.6A	80A	Wet location	-40°F to 122°F(-40°C to 50°C)	>0,9	135°	6kV	Aluminum	PC	>80
CAN09S-EM WITH BATTERY BACK-UP										
IL-CAN09S-A80WH-8EM	0.67A	80A	Wet location	-40°F to 122°F (-40°C to 50°C)	> 0.9	135°	6kV	Aluminum	PC	> 80
IL-CAN09S-A80BK-8EM	0.67A	80A	Wet location	-40°F to 122°F (-40°C to 50°C)	> 0.9	135°	6kV	Aluminum	PC	> 80

DIMMING COMPATIBLE CONTROLS

BRAND	LEVITON	LUTRON
Models	IP710-LFZ	DVSTV-453P

ANNEX 1

MODEL	WATTS	3,000 K	4,000 K	5,000 K
IL-CAN09S-A50WH IL-CAN09S-A50BK	30W	4,241lm	4,466lm	4,552lm
	40W	5,394lm	5,731lm	5,740lm
	50W	6,472lm	6,986lm	6,887lm
IL-CAN09S-A80WH IL-CAN09S-A80BK IL-CAN09S-A80WH-8EM IL-CAN09S-A80BK-8EM	50W	7,231lm	7,734lm	7,573lm
	70W	9,409lm	10,245lm	9,945lm
	80W	10,417lm	11,538lm	11,033lm
IL-CAN09S-A100WH IL-CAN09S-A100BK	60W	8,786lm	9,278lm	9,258lm
	70W	10,056lm	10,689lm	10,573lm
	100W	13,318lm	14,448lm	14,363lm
IL-CAN09S-A200BK	100W	15,453lm	16,089lm	15,980lm
	150W	22,342lm	23,567lm	22,893lm
	200W	28,239lm	30,094lm	28,899lm

MODEL	BUG RATING
IL-CAN09S-A50WH	B2-U3-G2
IL-CAN09S-A50BK	
IL-CAN09S-A80WH	B3-U3-G2
IL-CAN09S-A80BK	
IL-CAN09S-A80WH-8EM	
IL-CAN09S-A80BK-8EM	
IL-CAN09S-A100WH	
IL-CAN09S-A100BK	
IL-CAN09S-A200BK	

ORDERING INFORMATION

MODEL	PRODUCT DIMENSIONS	WEIGHT	PCS. PER CARTON	CARTON SIZE	CARTON WEIGHT	UPC	GTIN 14
CAN09S							
IL-CAN09S-A50WH	10" x 10" x 3-1/16"	3.9 lbs (1.8 kg)	4	22.8" x 9.3" x 11.6"	22.5 lbs	81012811790	10810128117903
IL-CAN09S-A50BK	10" x 10" x 3-1/16"	3.9 lbs (1.8 kg)	4	22.8" x 9.3" x 11.6"	22.5 lbs	81012811789	10810128117897
IL-CAN09S-A80WH	10" x 10" x 3-1/16"	4.1 lbs (1.9 kg)	4	22.8" x 9.3" x 11.6"	23.4 lbs	81012811792	10810128117927
IL-CAN09S-A80BK	10" x 10" x 3-1/16"	4.1 lbs (1.9 kg)	4	22.8" x 9.3" x 11.6"	23.4 lbs	81012811791	10810128117910
IL-CAN09S-A100WH	10-1/16" x 10-1/16" x 2-3/4"	5.3 lbs (2.4 kg)	4	17.3" x 12" x 12.2"	24.7 lbs	81012811341	10810128113417
IL-CAN09S-A100BK	10-1/16" x 10-1/16" x 2-3/4"	5.3 lbs (2.4 kg)	4	17.3" x 12" x 12.2"	24.7 lbs	81012811340	10810128113400
IL-CAN09S-A200BK	17-15/16" x 17-15/16" x 3-1/2"	10.4 lbs(4.7kg)	2	20.20" x 19.49" x 9.41"	26.9 lbs	81019020585	10810190205850
CAN09S-EM WITH BATTERY BACK-UP							
IL-CAN09S-A80WH-8EM	10" x 10" x 3-1/16"	5.2 lbs (2.4 kg)	4	22.8" x 9.3" x 11.6"	27.8 lbs	81012811794	10810128117941
IL-CAN09S-A80BK-8EM	10" x 10" x 3-1/16"	5.2 lbs (2.4 kg)	4	22.8" x 9.3" x 11.6"	27.8 lbs	81012811793	10810128117934

ACCESSORIES

MODEL	PRODUCT DIMENSIONS	PCS. IN MIDDLE BOX	MIDDLE BOX SIZE	MIDDLE BOX WEIGHT	PCS. PER CARTON	CARTON SIZE	CARTON WEIGHT	UPC	GTIN 14 IN MIDDLE BOX	GTIN 14 IN CARTON
IL-09MW-WH	2-1/8" x 2-1/8" x 1-5/16"	10	5.5" x 2.6" x 11.4"	1.2 lbs	120	17.3" x 11.8" x 11"	12.1 lbs	810128113700	20810128113704	30810128113701
IL-09MW-BK	2-1/8" x 2-1/8" x 1-5/16"	10	5.5" x 2.6" x 11.4"	1.2 lbs	120	17.3" x 11.8" x 11"	12.1 lbs	810128113717	20810128113711	30810128113718
IL-09IR-WH	2-1/8" x 2-1/8" x 1-11/16"	10	5.5" x 2.6" x 11.4"	1.2 lbs	120	17.3" x 11.8" x 11"	12.1 lbs	810128113694	20810128113698	30810128113695
IL-09IR-BK	2-1/8" x 2-1/8" x 1-11/16"	10	5.5" x 2.6" x 11.4"	1.2 lbs	120	17.3" x 11.8" x 11"	12.1 lbs	810128114349	20810128114343	30810128114340
IL-09IR50-WH	2-1/8" x 2-1/8" x 1-11/16"	10	5.5" x 2.6" x 11.4"	0.9 lbs	120	17.3" x 11.8" x 11"	10.7 lbs	810128116794	10810128116791	20810128116798
IL-06RC	5-11/16" x 1-3/4" x 13/16"	10	6.3" x 2.9" x 11.4"	0.5 lbs	60	15.8" x 11.8" x 9.3"	24.7 lbs	810128114370	30810128114371	40810128114378

ACCESSORIES (sold separately)

MICROWAVE MOTION SENSOR 3PIN
IL-09MW



INFRARED MOTION SENSOR 3PIN
IL-09IR



INFRARED MOTION SENSOR 3PIN 50FT
IL-09IR50



REMOTE CONTROL FOR MOTION SENSOR
IL-06RC



ACCESSORY COMPATIBILITY LIST

ACCESSORIES \ MODELS	IL-CAN09S				IL-CAN09S-EM
	50W	80W	100W	200W	80W
MICROWAVE MOTION SENSOR 3PIN IL-09MW	•	•	•	•	•
INFRARED MOTION SENSOR 3PIN IL-09IR IL-09IR50	•	•	•	•	•

BUILT-IN PHOTOCELL INFORMATION

SPECIFICATIONS	
Light level to turn ON	≤ 80 lux (7.4 fc)
Light level to turn OFF	≥ 150 lux (13.9 fc)
Operating temperature	-40°F to 122°F (-40°C to 50°C)

The dusk-to-dawn sensor automatically turns the fixture off during daylight hours.

To turn the photocell ON or OFF, unscrew the cap and set the middle switch to needed value.



BUILT-IN BATTERY BACK-UP INFORMATION

SPECIFICATIONS	
Input voltage	100-347 Vac 50/60 Hz
Voltage	120 V
Input current	618 mA
Output current	70 mA
Output power	8W
Lumens	1,310 lm
Emergency time	90 minutes
Indicator light	Illuminated test switch
Battery	LiFePO4 battery - 6.4 V/3200 mAh
Battery charging current	440 mA
Charging time	24 hours

BUTTON	REMARKS
ON	Charging mode, Battery is fully charged, AC power is ON
OFF	Emergency mode, Battery is discharging, AC power is OFF



MOTION SENSOR INFORMATION



MICROWAVE MOTION SENSOR 3pin
IL-09MW

+



REMOTE CONTROL
IL-06RC



INFRARED MOTION SENSOR 3PIN
IL-09IR

+



REMOTE CONTROL
IL-06RC



INFRARED MOTION SENSOR 3PIN
IL-09IR50

+

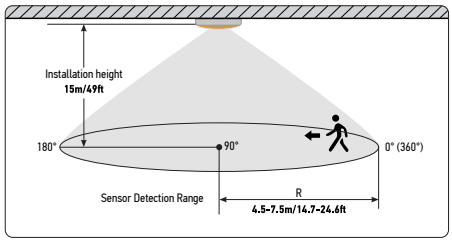


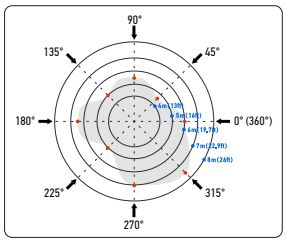
REMOTE CONTROL
IL-06RC

SPECIFICATIONS				DEFAULT SETTING
Detection area	25 %/50 %/75 %/100 %			100 %
Hold time	**Remote control:** 5 s/30 s/1 min/3 min/5 min/10 min/20 min/30 min **Built-in switch:** 5 s/1 min/5 min/10 min			10 min
Daylight threshold	2 lux (0.2 fc)/10 lux (0.9 fc)/30 lux (2.8 fc)/50 lux (4.7 fc)/80 lux (7.4 fc)/120 lux (11.2 fc)/200 lux (18.6 fc)/250 lux (23.2 fc)/ 300 lux (27.9 fc)/350 lux (32.5 fc)/400 lux (37.2 fc)/disable			Disable
Standby period	0 s/10 s/30 s/1 min/5 min/10 min/30 min/60 min/+ ∞			0 s
Standby dimming level	**Remote control:** 10 %/20 %/30 %/50 % **Built-in switch:** 0 %/10 %/30 %/50 %			10 %

SPECIFICATIONS			
Operating voltage	10 - 15 V		
Operating current	< 30 mA	< 15 mA	< 30 mA
Mounting height	max 49.2 ft (15 m)	max 39.4 ft (12 m)	max 49.2 ft (15 m)
Detection radius	14.7 ft - 24.6Ц ft (4.5 m - 7.5 m)	14.7 ft - 22.9 ft (4.5 m - 7 m)	14.7 ft - 22.9 ft (4.5 m - 7 m)
Operating frequency	5.8 GHz ± 75 MHz	-	-
Transmitting power	< 0.3 mW	-	-

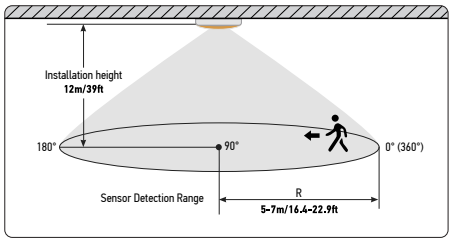
MICROWAVE MOTION SENSOR

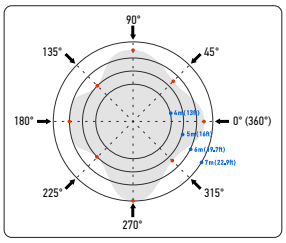




SENSITIVITY	0°/360°	45°	90°	135°	180°	225°	270°	315°
100% 15m	6	4.5	5.5	5	6.5	5	7	7.5

INFRARED MOTION SENSOR





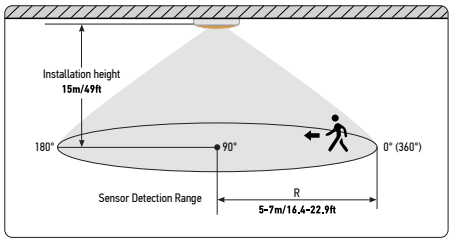
SENSITIVITY	0°/360°	45°	90°	135°	180°	225°	270°	315°
100% 12m	6.5	5.5	6.5	5	6	5	7	5.5

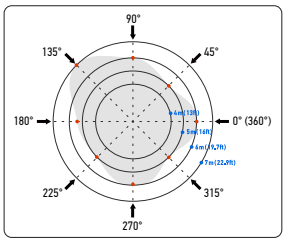
SENSOR USAGE RECOMMENDATIONS

INDOOR RECOMMENDED LOCATIONS
Places where the temperature of the environment is well controlled.
Places where detecting the movement of people is a high priority.

INDOOR NOT RECOMMENDED LOCATIONS
Places where environment temp close to human body.
Places where PIR sensor lens can get covered.
Places higher than 39ft (unless you use 50ft PIR).

INFRARED MOTION SENSOR





SENSITIVITY	0°/360°	45°	90°	135°	180°	225°	270°	315°
100% 12m	6.5	5.5	6.5	5	6	5	7	5.5

REMOTE CONTROL

sold separately



ON/OFF
turn on / turn off

SCENES
Shows current settings saved in remote

APPLY
Applies current scene settings to the fixture

DETECTION RANGE
Also known as "sensitivity", 100 % means the highest sensitivity and longest distance. Use this button and the +/- buttons to adjust

HOLD TIME
The period that light will stay illuminated 100 % after no motion is detected. Use this button and the +/- buttons to adjust

CCT SELECTABLE
Not applicable to this product

RESERVED BUTTON
Not applicable to this product

AUTO
Enter "sensor mode" and perform previous settings

START
Press this to begin scene setup

MOUNTING HEIGHT
Adjust detection area/sensitivity levels according to real installation situations, higher or lower

DAYLIGHT SENSOR
The preset lux level at which motion will be detected. Use this button and the +/- buttons to adjust

UP
The main functional buttons to adjust the factors to desired level. Press +/- button to dim light directly Auto in non-detection mode

DOWN
The main functional buttons to adjust the factors to desired level. Press +/- button to dim light directly Auto in non-detection mode

DAYLIGHT HARVESTING
Daylight harvesting function enabled or disabled

RESET
Enter "sensor mode" and perform the default settings

MEMORY
Saves the scene settings

SEND
Memorize and send out the previous setting of individual parameters

STAND-BY DIMMING
After hold time, the light will dim from 100 % to optional standby dimming levels. Use this button and the +/- buttons to adjust

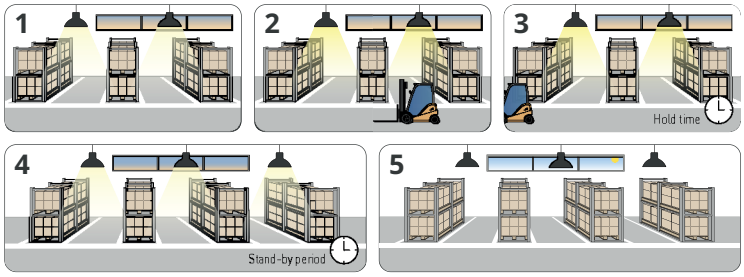
STAND-BY PERIOD
The period after holdtime, during which the light keeps standby dimming level. Use this button and the +/- buttons to adjust

POWER
Adjust brightness in both ON/OFF mode & sensor mode, minimum 10%, max 100%, each time this button is pressed it changes by 5%

TEST BUTTON
Press this button to test the sensor; it will temporarily change the hold time to 2s. This setting cannot be saved

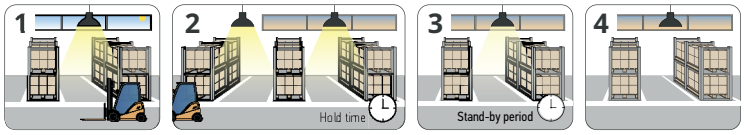
WITH DUSK/DAWN FUNCTION

1. With insufficient ambient brightness, sensor turns on light and keeps it at standby dimming level even if there is no motion or presence.
2. When sensor detects motion or presence it will bring the light level up to 100 %.
3. After motion is no longer detected, fixture remains at 100 % for hold time.
4. After the preset hold time period, it will dim to the standby dimming level and maintain it indefinitely.
5. With sufficient ambient brightness, sensor will turn OFF light automatically.



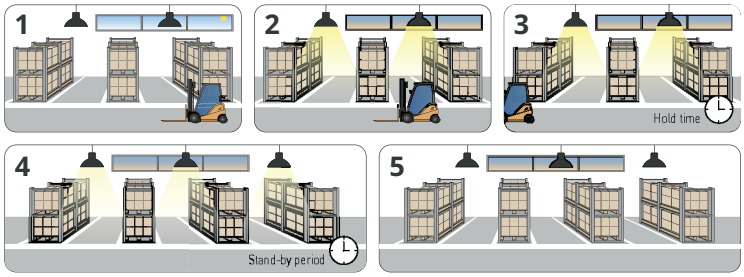
WITH DAYLIGHT DISABLED

1. Sensor turns ON light when motion is detected.
2. Light will stay on after detecting motion for the desired hold time.
3. Sensor dims light to standby dimming level after hold time if there is still no motion.
4. Sensor turns OFF light after standby period.



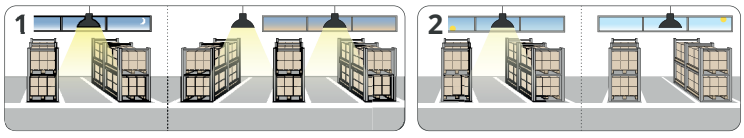
WITH DAYLIGHT THRESHOLD

1. With sufficient daylight, the light remains OFF even after motion is detected.
2. With insufficient daylight, the sensor turns light ON when motion is detected.
3. After there's no motion detected, the sensor keeps light ON 100 % for holdtime.
4. After holdtime, sensor dims light to standby dimming level for standby period. If the standby period has been set as Os, sensor turns light OFF automatically after holdtime.
5. The sensor turns OFF light automatically after the standby period when there's no motion detected.



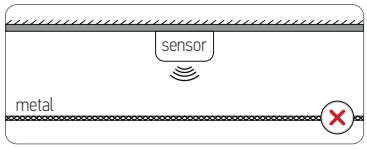
DAYLIGHT HARVESTING

1. When the ambient brightness is lower than the preset lux level, the sensor will automatically turn on the light and adjust the dimming according to changes in ambient brightness. As it gets darker outside, the fixtures will brighten, and as it gets brighter outside, the fixtures will dim.
2. When the ambient brightness exceeds the preset lux level, the light will turn OFF.

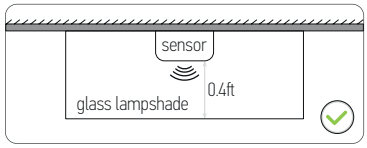


MICROWAVE MOTION SENSOR

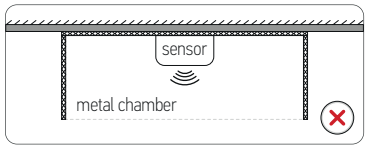
To avoid blocking the microwave emission, the microwave sensor can not be covered with metal materials, be sprayed with a coating of metal components, or have attached metal material or stickers etc.



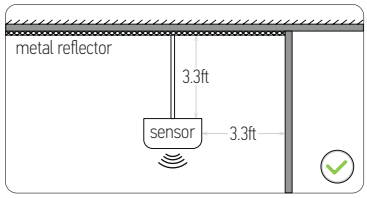
The distance between the antenna and the glass (dielectric material) should be no less than 0.4 ft when the sensor is within the glass lampshade. Otherwise, the microwave motion sensor will not penetrate the glass easily.



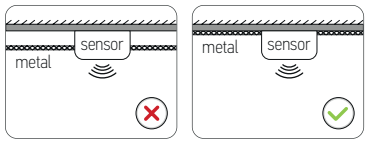
Avoid placing the sensor inside a metal chamber, this may cause ais-trigger.



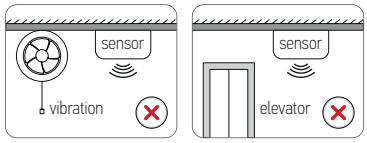
The sensor should not be placed in a small confined space. To avoid increasing the sensor detection range or abnormal operation, the sensor should be kept away from large areas of metal and glass reflectors (separation distance at least 3.3 ft). Reduce the detection area setting.



To avoid affecting the microwave signal transmission, the microwave antenna should be higher than the surrounding metal surface.

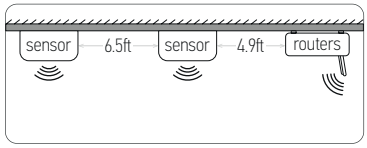


Any vibration or movement may trigger the sensor. Ensure the sensor is far from any constant movement.



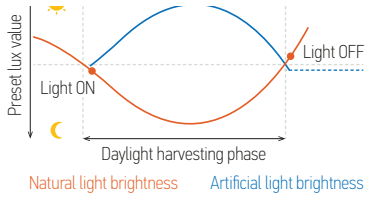
At least 2 m/6.5 ft distance between microwave sensors;

1.5 m/4.9 ft between the sensor and other wireless devices such as routers to avoid possible radio interference.



DAYLIGHT HARVESTING SETTING

1. Adjust "daylight" value higher than 50lux.
2. Preset "standby period" 0S.
3. Press "daylight harvesting" button on remote control to activate.



INSTALLATION GUIDE

Please read all the instructions below before installation!

IMPORTANT SAFETY INFORMATION

- Make sure that the supply voltage corresponds to the rated product voltage.
- The product must be installed by a qualified electrician in accordance with the National Electrical Code and corresponding local codes.
- If the product is damaged, do not use it.

⚠ WARNING

Risk of personal injury: read and follow all warnings and installation instructions. Keep or give to the owner for future reference.

Risk of cuts: Wear gloves to prevent cuts or abrasions when removing from carton, handling, installing, and maintaining this product.

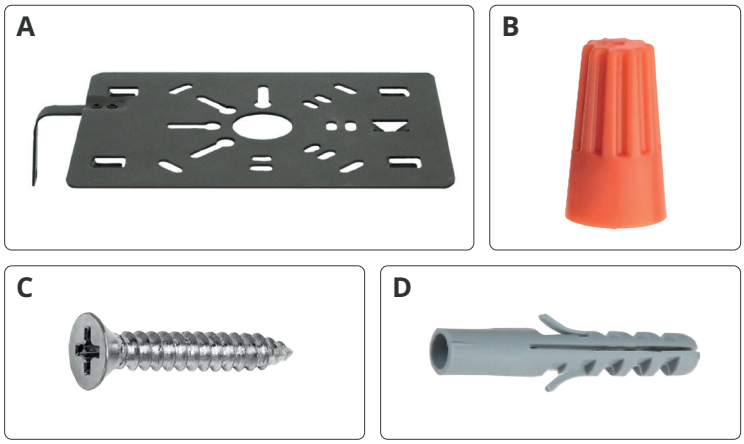
Risk of electric shock: This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.

Risk of Fire: Minimum 194°F supply conductors. Consult a qualified electrician to ensure correct branch circuit conductor.

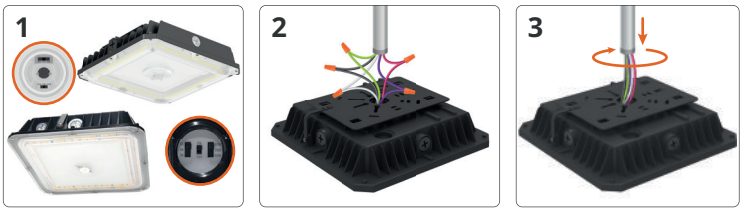
Integrity LED assumes no responsibility for claims arising out of improper **or careless Installation or handling of this product.**

PACKAGE CONTENTS

DESCRIPTION	QUANTITY
LED Edge-Lit Canopy with Q-Base	1
Mounting plate (A)	1
Wire nut (B)	3
Self-tapping screw (C)	4
Anchor (D)	4
Box	1



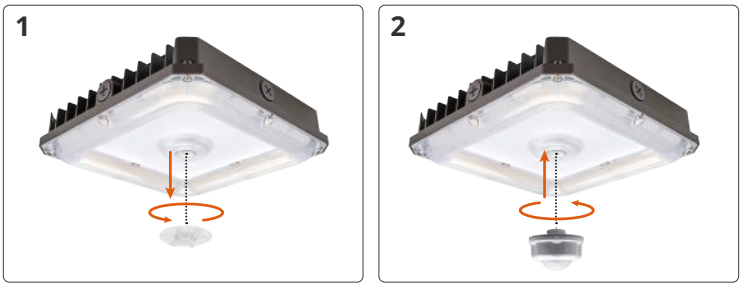
POLE MOUNTING INSTALLATION



1. Adjust color temperature and power (if needed) by unscrewing the cap and set switches to needed values in the middle of the fixture for 100W models or on the side of a housing for 50W, 80W and 200W models.
2. Thread the wires into the pipe and connect them with terminal caps.
3. Screw the pipe into the fixture. Use NPT3/4" pipe.

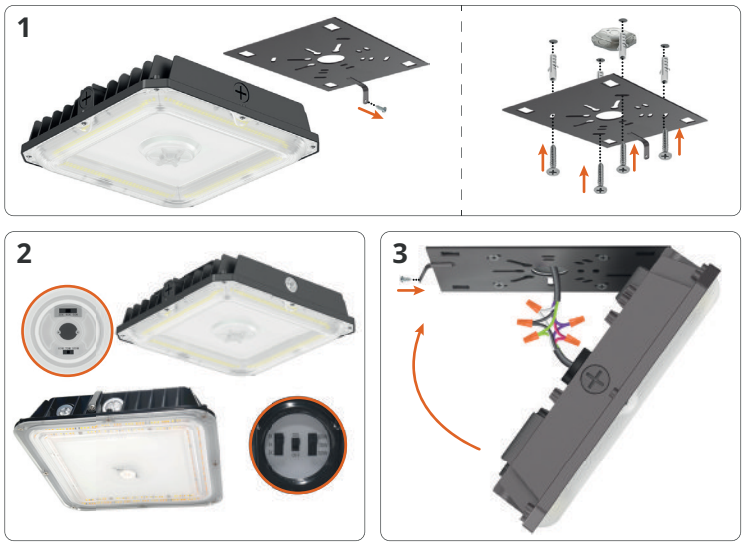
MOTION SENSOR INSTALLATION

sold separately



1. Unscrew the sensor base cap.
2. Insert and twist the sensor until it is tight on the base surface.

SURFACE MOUNT WITH A MOUNTING PLATE



1. Remove the securing screw out of the mounting plate, detach the mounting plate from the fixture housing and secure the plate to a j-box on the ceiling using anchors and self-tapping screws.
2. Adjust color temperature and power (if needed) by unscrewing the cap and set switches to needed values in the middle of the fixture for 100W models or on the side of a housing for 50W, 80W and 200W models.
3. Use hanger on the mounting plate to hold the fixture in place and connect the wires and secure connection to the Junction box in the ceiling. Slide the fixture into the mounting plate clamps and secure it with a screw.