English

LED EDGE-LIT CANOPY WITH Q-BASE

DESIGN - LED EDGE-LIT CANOPY WITH Q-BASE has a built-in motion sensor base, allowing you to install the microwave motion or PIR 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.

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 5kV protects the fixture from voltage spikes and current surges.

INSTALLATION - The fixture is Wet Locations 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 149,000 hours, these fixtures are made to last decades under normal operation! ASD provides a 5-year limited warranty along with UL and DLC Premium certifications to guarantee top quality products and safety!

Catalog number	
Notes	
Type	

Model	Watts	Voltage	Dimmable	Lumens	CCT	Finish	Dimensions (LxWxH)
ASD-CAN09S-A70WH	40/60/70W	120-277 V	0-10 V	9,763 lm	3CCT (3,000/4,000/5,000 K)	White	10-1/16" x 10-1/16" x 2-3/4"
ASD-CAN09S-A70BK	40/60/70W	120-277 V	0-10 V	9,763 lm	3CCT (3,000/4,000/5,000 K)	Black	10-1/16" x 10-1/16" x 2-3/4"
ASD-CAN09S-A100WH	60/70/100W	120-277 V	0-10 V	14,362 lm	3CCT (3,000/4,000/5,000 K)	White	10-1/16" x 10-1/16" x 2-3/4"
ASD-CAN09S-A100BK	60/70/100W	120-277 V	0-10 V	14,362 lm	3CCT (3,000/4,000/5,000 K)	Black	10-1/16" x 10-1/16" x 2-3/4"
ASD-09MW-WH	Microwave motion sensor						2-1/8" x 2-1/8" x 1-5/16"
ASD-09IR-WH	PIR motion sensor						2-1/8" x 2-1/8" x 1-5/8"
ASD-06RC	Remote control for motion sensor						5-1/2" x 2-5/16" x 7/8"

ORDERING INFORMATION

Model	UPC	Pcs. per carton	Carton size	Carton weight	GTIN 14
ASD-CAN09S-A70WH	810128113397	4	17.3" x 12" x 12.2"	23.6 lbs	10810128113394
ASD-CAN09S-A70BK	810128113380	4	17.3" x 12" x 12.2"	23.6 lbs	10810128113387
ASD-CAN09S-A100WH	810128113410	4	17.3" x 12" x 12.2"	24.7 lbs	10810128113417
ASD-CAN09S-A100BK	810128113403	4	17.3" x 12" x 12.2"	24.7 lbs	10810128113400
ASD-09MW-WH	810128112284	120	15.8" x 11.8" x 9.3"	13.2 lbs	10810128112281
ASD-09IR-WH	810128112277	120	15.8" x 11.8" x 9.3"	13.2 lbs	10810128112274
ASD-06RC	810050738767	68	15.8" x 11.8" x 9.3"	18.9 lbs	10810050738764

For most up-to-date spec sheets please refer to asd-lighting.com

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English

LED EDGE-LIT CANOPY WITH Q-BASE

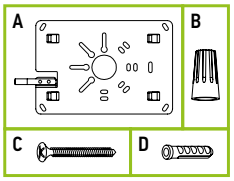
PRODUCT SPECIFICATIONS:

Construction & Materials		
Lens	PC	
Housing	Aluminum	
Finish	White, Black	
Weight	ASD-CAN09S-A70WH	5.1 lbs (2.3 kg)
	ASD-CAN09S-A70BK	
	ASD-CAN09S-A100WH	5.3 lbs (2.4 kg)
	ASD-CAN09S-A100BK	
Electrical system		
Input voltage	120-277 V	
Max input current	ASD-CAN09S-A70WH	0.7 A
	ASD-CAN09S-A70BK	
	ASD-CAN09S-A100WH	1 A
	ASD-CAN09S-A100BK	
Inrush current (Action time)	ASD-CAN09S-A70WH	120 A (4 S)
	ASD-CAN09S-A70BK	
	ASD-CAN09S-A100WH	50 A (4 S)
	ASD-CAN09S-A100BK	
Off state power	0W	
Power consumption	ASD-CAN09S-A70WH	40/60/70W
	ASD-CAN09S-A70BK	
	ASD-CAN09S-A100WH	60/70/100W
	ASD-CAN09S-A100BK	
Power factor	> 0.9	
Output voltage	ASD-CAN09S-A70WH	130 V
	ASD-CAN09S-A70BK	
	ASD-CAN09S-A100WH	260 V
	ASD-CAN09S-A100BK	
Max output current	ASD-CAN09S-A70WH	0.55 A
	ASD-CAN09S-A70BK	
	ASD-CAN09S-A100WH	0.43 A
	ASD-CAN09S-A100BK	
Surge protection DM/CM	ASD-CAN09S-A70WH	4 kV / 5 kV
	ASD-CAN09S-A70BK	
	ASD-CAN09S-A100WH	6 kV / 6 kV
	ASD-CAN09S-A100BK	
Regular and voluntary certifications		
5-year limited warranty		
DesignLights Consortium (DLC) listed (Classification: Premium) Primary use: Parking garage luminaires		
UL certified		

Environmental system		
Work environment	Suitable for Wet Locations, IP65	
Operating temperature	-22°F to 122°F (-30°C to 50°C)	
L-70 Life	R > 54,000 hrs; C > 149,000 hrs	
Optical system		
Luminous flux	ASD-CAN09S-A70WH	9,763 lm
	ASD-CAN09S-A70BK	
	ASD-CAN09S-A100WH	14,362 lm
	ASD-CAN09S-A100BK	
Color temperature	3CCT switch (3,000/4,000K/5,000 K), 5,000 K by default	
CRI	> 80	

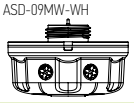
PACKAGE CONTENTS:

Description	Q-ty
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

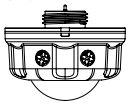


ACCESSORIES (sold separately):

Microwave motion sensor
ASD-09MW-WH



PIR motion sensor
ASD-09IR-WH



Remote control for motion sensor
ASD-06RC

ACCESSORY COMPATIBILITY LIST:

Models \ Accessories	Microwave motion sensor ASD-09MW-WH	PIR motion sensor ASD-09IR-WH
ASD-CAN09S-A70WH	●	●
ASD-CAN09S-A70BK	●	●
ASD-CAN09S-A100WH	●	●
ASD-CAN09S-A100BK	●	●

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MOTION SENSOR INFORMATION

REMOTE CONTROL ASD-06RC sold separately:

Button		Remarks	Button		Remarks	Button		Remarks
	ON/OFF	Turn the sensor ON/OFF.	Apply	Apply	Applies current scene settings to the fixture.		Hold time	The period that light will stay illuminated 100 % after no motion is detected. Use this button and the + - buttons to adjust.
MW/PIR	MW/PIR	Select Microwave or PIR sensor.		Detection range	Also known as "sensitivity", 100 % means the highest sensitivity and longest distance. 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.
Scene	Scene	Shows current settings saved in remote.		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.		Daylight sensor	The preset lux level at which motion will be detected. Use this button and the + - buttons to adjust.
Start	Start	Press this to begin scene setup.		UP	The main functional buttons to adjust the factors to desired level. Press + - button to dim light directly in non-detection mode.	Test (2S)	Test mode	Press this button to test the sensor; it will temporarily change the hold time to 2s. This setting cannot be saved.
Memory	Memory	Saves the scene settings.		DOWN		POWER %	Power	The dimming output in detection mode. Use this button and the + - buttons to adjust.

* When any programming is set, icon will blink for 5s and fixture will dim and then resume at 100% meaning the program has been saved.

PIR motion sensor ASD-09IR-WH

remote control ASD-06RC (sold separately)

Microwave motion sensor ASD-09MW-WH

remote control ASD-06RC (sold separately)

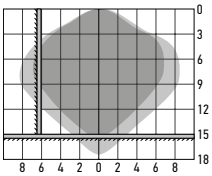
Installation precautions:
1. Microwave sensor can be installed in any lamp except one with a full metal shell.
2. The detected surface cannot be shielded by metal objects.
3. Make sure the microwave module is completely exposed.
4. The detection surface of the sensor module should be installed facing the detection area.

Application environment:
1. Suitable for indoor installation to avoid false triggering due to external factors such as rain, wind or tree movement.
2. Shall not be installed in a place with all metal walls or small spaces (such as galvanized-iron roof).
3. Shall be mounted securely, to avoid any false triggers caused by movement of the fixture itself.
4. Shall not be installed next to large operating machines such as a ventilator or ceiling fan, to avoid false triggers caused by machine vibration.

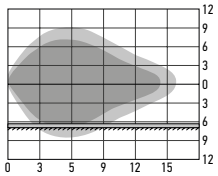
User notes:
1. Microwaves can penetrate walls or glass thinner than 0.8" but will be impaired if thicker than 0.8".
2. The driver voltage shall be stable and float within 10 %.
3. Detection area will be affected by speed of motion, mounting height and movement volume.
4. Conduct testing with adequate ambient lighting for best results.

ASD-09MW-WH:

Ceiling mounted



Wall mounted

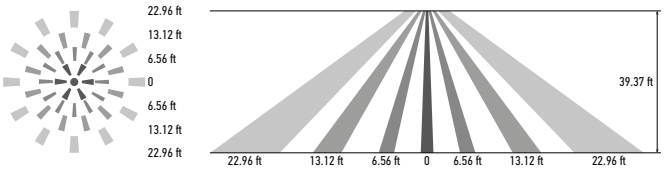


- Highest mounting height is 49.2ft (15m)
- This figure indicates the maximum distance at the highest mounting height with 100 % sensitivity.

Well detected area

Possibly detected area

ASD-09IR-WH:



Mounting Height < 39.37 ft (12 m) ceiling mounting

Detection distance radius 9.84-22.96 ft (3-7 m)

Specifications	Model: ASD-09IR-WH	Model: ASD-09MW-WH
Operating voltage	10-15 V	
Operating current	< 15 mA	< 30 mA
Working mode	0-10 V	
Detection area	25 %/50 %/75 %/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	
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	
Standby period	0 s/10 s/30 s/1 min/5 min/10 min/30 min/60 min/+ ∞	
Standby dimming level	Remote control: 10 %/20 %/30 %/50 % Built-in switch: 0 %/10 %/30 %/50 %	
Operating temperature	- 4°F to 140°F (-20°C to 60°C)	- 40°F to 158°F (-40°C to 70°C)
Mounting height	≤ 39 ft (12 m)	max 49.2 ft (15 m)
Detection range	≥ 9 ft (3 m)	
Operating frequency	-	5.8 GHz ± 75 GHz
Transmitting power	-	< 0.3 mW
IP rating	IP65	

DEFAULT SETTING:

Specifications	
Detection area	100 %
Hold time	20 min
Daylight threshold	Disable
Stand-by period	0 s
Stand-by dimming level	10 %

⚠ RF interference may affect the operation of this sensor.

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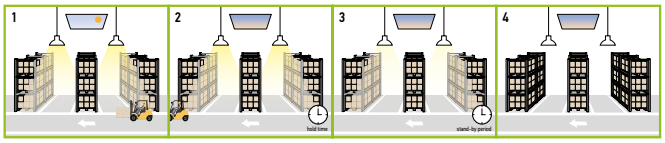
WITH DUSK/DAWN FUNCTION:

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 pre-set hold time period it will dim to standby dimming level again and always keep it.
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.

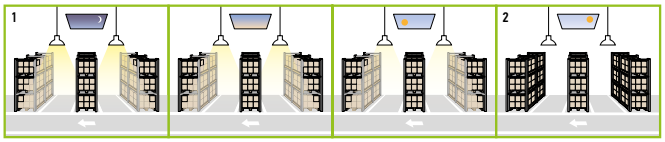


WITH DAYLIGHT THRESHOLD:

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 0s, sensor turns light OFF automatically after holdtime.
5. The sensor turns OFF light automatically after the standby period when there's no motion detected.

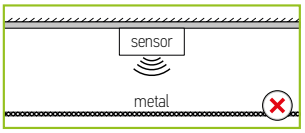
DAYLIGHT HARVESTING:

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

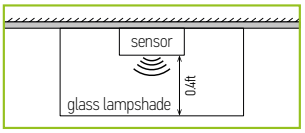


Only for ASD-09MW-WH and ASD-09IR-WH models.

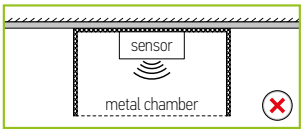
To avoid blocking the microwave emission, the microwave sensor can not be covered with metal materials, be sprayed with a coating of metal components, or have attached metal material or stickers etc.



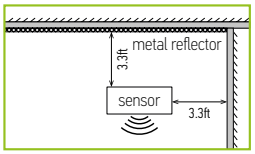
The distance between the antenna and the glass (dielectric material) should be no less than 0.4ft when the sensor is within the glass lampshade. Otherwise, the microwave motion sensor will not penetrate the glass easily.



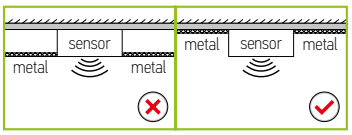
Avoid placing the sensor inside a metal chamber, this may cause a mis-trigger.



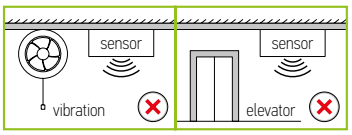
The sensor should not be placed in a small confined space. To avoid increasing the sensor detection range or abnormal operation, the sensor should be kept away from large areas of metal and glass reflectors (separation distance at least 3.3ft). Reduce the detection area setting.



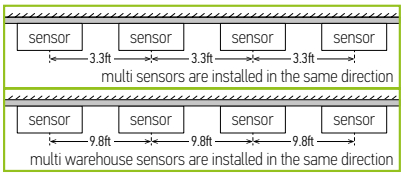
To avoid affecting the microwave signal transmission, the microwave antenna should be higher than the surrounding metal surface.



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

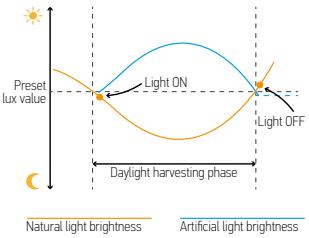


When multiple sensors are installed side-by-side in the same direction, the distance between each sensor should be at least 3.3ft (the warehouse sensors at least 9.8ft) to avoid mutual interference.



DAYLIGHT HARVESTING SETTING:

1. Adjust "daylight" value higher than 50lux.
2. Preset "standby period" 0S
3. Press MW/PIR button 3 times until the MW/PIR icons are both blinking on LCD screen, daylight harvesting function enabled. (With BLE version, press DH button, daylight harvesting function enabled).



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English

LED EDGE-LIT CANOPY WITH Q-BASE

INSTALLATION GUIDE

IMPORTANT SAFETY INFORMATION:

Please read all the instructions below before installation.

- 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.

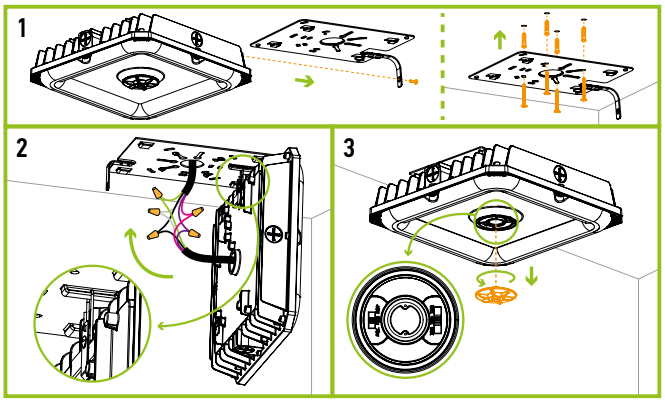
Risk of electric shock: This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.

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

ASD® assumes no responsibility for claims arising out of improper or careless Installation or handling of this product.

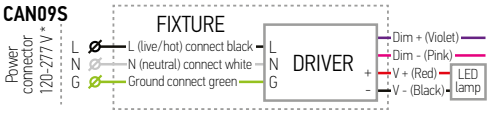
SURFACE MOUNT WITH A MOUNTING PLATE:

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. Use hanger on the mounting plate to hold the fixture in place and connect the wires: Black to Black, White to White, Green to Green, Dim+ to Violet, Dim- to Pink and secure connection to the Junction box in the ceiling.
3. Slide the fixture into the mounting plate clamps and secure it with a screw. Adjust color temperature and power (if needed) by unscrewing the cap in the middle of the fixture and set switches to needed values.

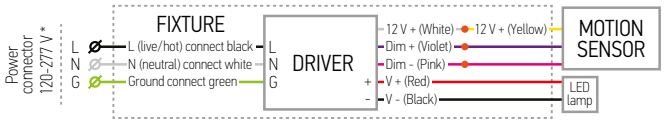


ELECTRICAL SCHEMATIC DIAGRAM:

CAN09S



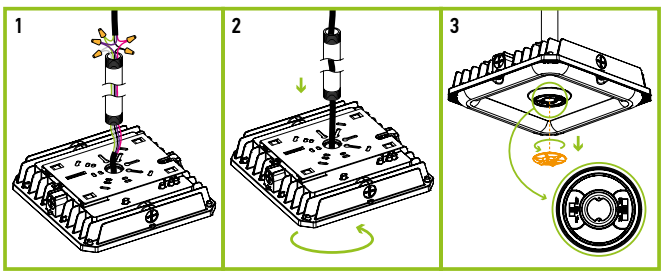
CAN09S with motion sensor



* The regular voltage 120-277V fixtures can be alternatively powered without neutral by two-phase circuit with phase-to-phase voltage of 208V (L1-120V & L2-120V).
WARNING: Phase-to-phase voltage should be less than 277V (160V per each phase) and more than 120V (70V per each phase)! Do not confuse Regular Voltage fixtures of 120-277V with High Voltage ones of 277-480V!

POLE MOUNTING INSTALLATION:

1. Thread the wires into the pipe and connect them with terminal caps: Black to Black, White to White, Green to Green, Dim+ to Violet, Dim- to Pink.
2. Screw the pipe into the fixture. Use NPT3/4" pipe.
3. Adjust color temperature and power (if needed) by unscrewing the cap in the middle of the fixture and set switches to needed values.

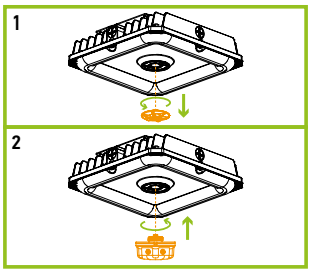


MOTION SENSOR INSTALLATION

ASD-09MW-WH **ASD-09IR-WH**

sold separately:

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



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