English

LED LOW-PROFILE CANOPY WITH Q-BASE

CAN07A series

▸ **DESIGN** - LED LOW-PROFILE CANOPY has a die-cast aluminum housing with excellent heat dissipation and anti-glare PC lens with even light distribution. It is equipped with a removable hinge door for quick and easy wiring. It is designed to operate on 120-277V circuits with a 1-10V dimmable driver.

▸ **VARIETY** - The fixture is available in Black or White finishes

▸ **COLOR SELECTABLE** - You can choose either a 3000K warm white, 4000K cool white or 5000K daylight color temperature.

▸ **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 WITH BATTERY BACK-UP** - The built-in battery back-up provide 90 minutes of power in case of emergency.



Motion Sensor | Battery Back-up | Wet location | IP65

Finish: White | Black

PRODUCT PRESENTATION:

Model	Power	Voltage	Dimming	Lumens	CCT	Finish	Dimensions	Pre-installed	Certification
CAN07A									
IL-CAN07A-45WH	45 W	120-277V	1-10V	6,917lm	3,000/4,000/5,000 K	White	10-9/16" x 9-13/16" x 2-15/16"	-	UL(E473804), DLC Premium
IL-CAN07A-45BK	45 W	120-277V	1-10V	6,917lm	3,000/4,000/5,000 K	Black	10-9/16" x 9-13/16" x 2-15/16"	-	UL(E473804), DLC Premium
IL-CAN07A-70WH	70 W	120-277V	1-10V	9,332lm	3,000/4,000/5,000 K	White	10-9/16" x 9-13/16" x 2-15/16"	-	UL(E473804), DLC Premium
IL-CAN07A-70BK	70 W	120-277V	1-10V	9,332lm	3,000/4,000/5,000 K	Black	10-9/16" x 9-13/16" x 2-15/16"	-	UL(E473804), DLC Premium
CAN07A-EM WITH BATTERY BACK-UP									
IL-CAN07A-45WH-8EM	45 W	120-277V	0-10V	6,917lm	3,000/4,000/5,000 K	White	10-9/16" x 9-13/16" x 2-15/16"	8W Battery Back-up	UL(E473804), DLC Premium
IL-CAN07A-45BK-8EM	45 W	120-277V	0-10V	6,917lm	3,000/4,000/5,000 K	Black	10-9/16" x 9-13/16" x 2-15/16"	8W Battery Back-up	UL(E473804), DLC Premium
SENSORS AND REMOTE									
IL-09MW-WH	Microwave motion sensor 3pin white						2-1/8" x 2-1/8" x 1-5/16"	-	-
IL-09MW-BK	Microwave motion sensor 3pin black						2-1/8" x 2-1/8" x 1-5/16"	-	-
IL-09IR-WH	Infrared motion sensor 3pin 39 ft white						2-1/8" x 2-1/8" x 1-11/16"	-	-
IL-09IR-BK	Infrared motion sensor 3pin 39 ft black						2-1/8" x 2-1/8" x 1-11/16"	-	-
IL-09IR50-WH	Infrared motion sensor 3pin 50 ft white						2-1/8" x 2-1/8" x 1-11/16"	-	-
IL-06RC	Remote control for motion sensor						5-11/16" x 1-3/4" x 13/16"	-	-

For detailed luminous flux information please refer to Annex 1, page 6.

English

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TECHNICAL PARAMETERS:

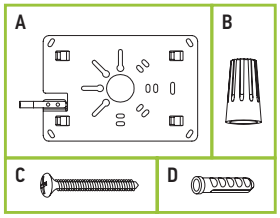
Model	Max input current	Inrush current	Work environment	Operating temperature	Power factor	Beam angle	Surge protection	Housing	Lens	CRI
CAN07A										
IL-CAN07A-45WH	0.5A	80A	Wet location	-40°F to 122°F (-40°C to 50°C)	> 0.9	145°*90°	6kV	Aluminum	PC	> 70
IL-CAN07A-45BK	0.5A	80A	Wet location	-40°F to 122°F (-40°C to 50°C)	> 0.9	145°*90°	6kV	Aluminum	PC	> 70
IL-CAN07A-70WH	0.8A	80A	Wet location	-40°F to 122°F (-40°C to 50°C)	> 0.9	145°*90°	6kV	Aluminum	PC	> 70
IL-CAN07A-70BK	0.5A	80A	Wet location	-40°F to 122°F (-40°C to 50°C)	> 0.9	145°*90°	6kV	Aluminum	PC	> 70
CAN07A-EM WITH BATTERY BACK-UP										
IL-CAN07A-45BK-8EM	0.5A	80A	Wet location	-40°F to 122°F (-40°C to 50°C)	> 0.9	145°*90°	6kV	Aluminum	PC	> 70
IL-CAN07A-45WH-8EM	0.5A	80A	Wet location	-40°F to 122°F (-40°C to 50°C)	> 0.9	145°*90°	6kV	Aluminum	PC	> 70

DIMMING COMPATIBLE CONTROLS:

Brand	Lutron	Leviton	Cooper
Models	DVSTV-453P	IP710-LFZ	DF10P
			SF10P

PACKAGE CONTENTS:

Description	Quantity
LED Low-Profile Canopy with Q-base	1
Mounting plate (A)	1
Wire nut (B)	3
Self-tapping screw (C)	4
Anchor (D)	4
Box	1

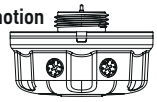


ACCESSORIES (sold separately):

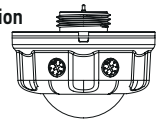
Remote control for motion sensor
IL-06RC



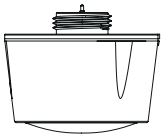
Microwave motion sensor 3pin
IL-09MW



Infrared motion sensor 3pin
IL-09IR



Infrared motion sensor 3pin 50ft
IL-09IR50



ACCESSORY COMPATIBILITY LIST:

Models	Accessories	Microwave motion sensor 3pin IL-09MW	Infrared motion sensor 3pin IL-09IR IL-09IR50
IL-CAN07A	45 W	•	•
	70 W	•	•
IL-CAN07A-EM	45 W	•	•

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

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MOTION SENSOR INFORMATION



IL-09MW
Microwa nsor 3pin

+



IL-06RC
R ol



IL-09IR
Infrared sor 3pin

+



IL-06RC
R ol



IL-09IR50
Infrare or 3pin

+

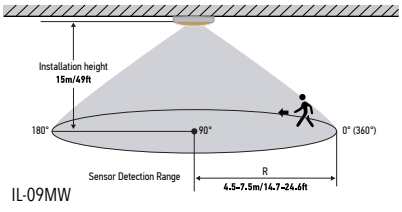


IL-06RC
R ol

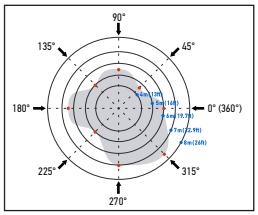
Specifications	Models: IL-09MW	Models: IL-09IR	Models: IL-09IR50	Default setting
Detection area	25 %/50 %/75 %/100 %			100 %
Hold time	**Remote control:** 5 s/30 s/1 min/3 min/5 min/10 min/20 min/30 min **Built-in switch:** 5 s/1 min/5 min/10 min			10 min
Daylight threshold	2 lux (0.2 fc)/10 lux (0.9 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	Models: IL-09MW	Models: IL-09IR	Models: IL-09IR50
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 - 24.6 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:

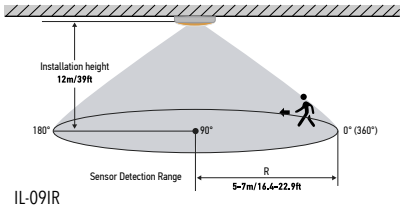


IL-09MW

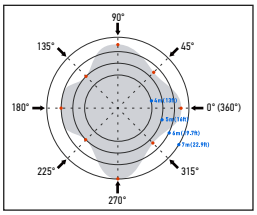


Sensitivity	0°/360°	45°	90°	135°	180°	225°	270°	315°
100%15m	6	4.5	5.5	5	6.5	5	7	7.5

INFRARED MOTION SENSOR:



IL-09IR

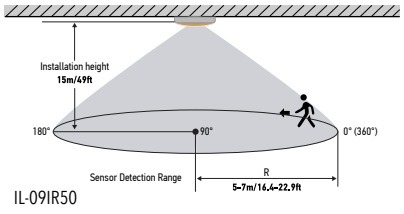


Sensitivity	0°/360°	45°	90°	135°	180°	225°	270°	315°
100%12m	6.5	5.5	6.5	5	6	5	7	5.5

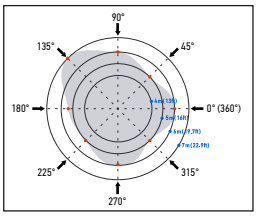
SENSOR USAGE RECOMMENDATIONS:

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).



IL-09IR50



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



Button	Remarks	Button	Remarks	Button	Remarks
ON/OFF ON/OFF	Turn the sensor ON/OFF.	Auto Auto	Enter "sensor mode" and perform previous settings.	Reset Reset	Enter "sensor mode" and perform the default settings.
Scenes Scenes	Shows current settings saved in remote.	Start Start	Press this to begin scene setup.	Memory Memory	Saves the scene settings.
Appy Apply	Applies current scene settings to the fixture.	M H Mounting height	Adjust detection area/sensitivity levels according to real installation situations, higher or lower.	Send Send	Memorize and send out the previous setting of individual parameters.
Detection range	Also known as "sensitivity", 100 % means the highest sensitivity and longest distance. 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.	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.
Hold time	The period that light will stay illuminated 100 % after no motion is 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.	Stand-by period	The period after holdtime, during which the light keeps standby dimming level. Use this button and the + - buttons to adjust.
CCT CCT selectable	Not applicable to this product.	Down		POWER Power	Adjust brightness in both ON/OFF mode & sensor mode, minimum 10%, max 100%, each time this button is pressed it changes by 5%.
Reserved button	Not applicable to this product.	Daylight harvesting	Daylight harvesting function enabled or disabled.	Test Test button	Press this button to test the sensor; it will temporarily change the hold time to 2s. This setting cannot be saved.

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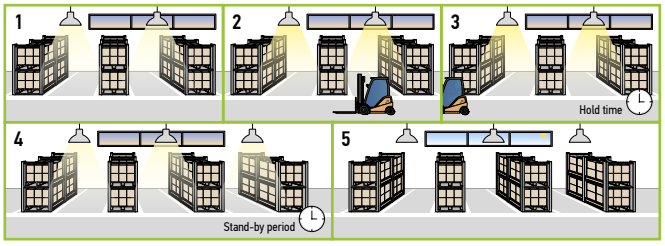
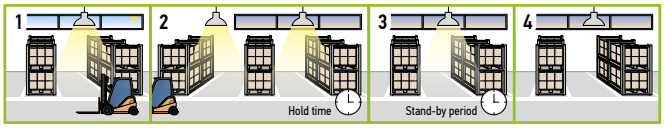
WITH DUSK/DAWN FUNCTION:

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 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.



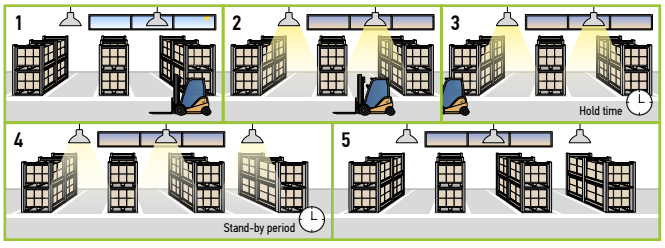
WITH DAYLIGHT DISABLED:

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.



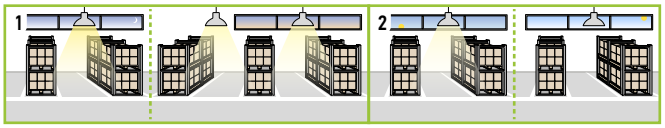
WITH DAYLIGHT THRESHOLD:

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 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.



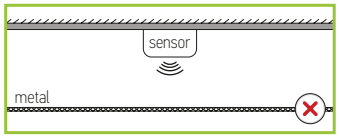
DAYLIGHT HARVESTING:

1. When 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.

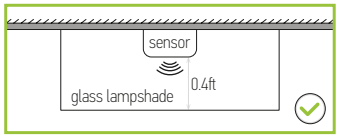


MICROWAVE MOTION SENSOR:

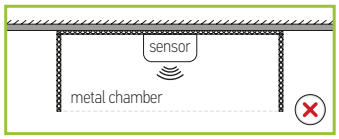
To avoid blocking the microwave emission, the microwave sensor can not be covered with metal materials, be sprayed with a coating of metal components, or have attached metal material or stickers etc.



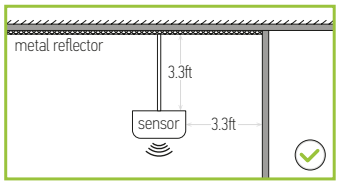
The distance between the antenna and the glass (dielectric material) should be no less than 0.4 ft when the sensor is within the glass lampshade. Otherwise, the microwave motion sensor will not penetrate the glass easily.



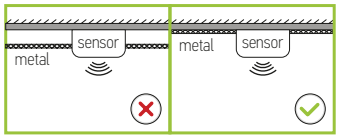
Avoid placing the sensor inside a metal chamber, this may cause a mis-trigger.



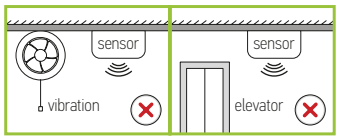
The sensor should not be placed in a small confined space. To avoid increasing the sensor detection range or abnormal operation, the sensor should be kept away from large areas of metal and glass reflectors (separation distance at least 3.3 ft). Reduce the detection area setting.



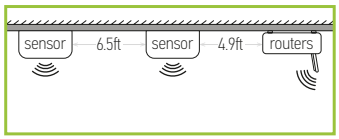
To avoid affecting the microwave signal transmission, the microwave antenna should be higher than the surrounding metal surface.



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

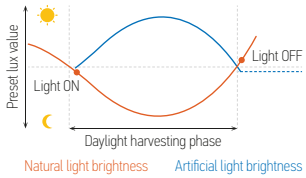


At least 2 m/6.5 ft distance between microwave sensors;
1.5 m/4.9 ft between the sensor and other wireless devices such as routers to avoid possible radio interference.



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.



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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.

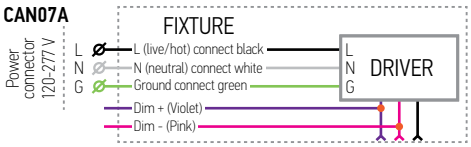
Risk of cuts: Wear gloves to prevent cuts or abrasions when removing from carton, handling, installing, and maintaining this product.

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.

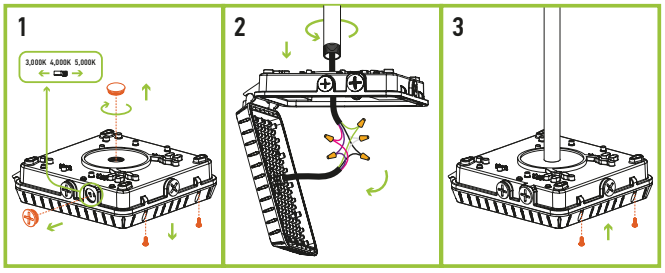
Integrity LED assumes no responsibility for claims arising out of improper or careless Installation or handling of this product.

ELECTRICAL SCHEMATIC DIAGRAM:



POLE MOUNTING INSTALLATION:

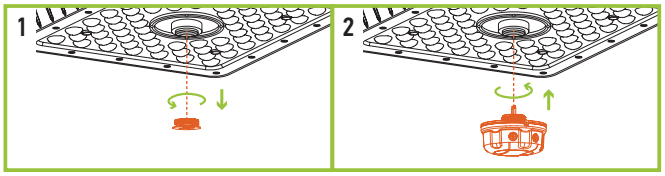
1. Adjust color temperature (if needed) by unscrewing one big cap on the side of the fixture. Remove the rubber cap. Open the fixture by unscrewing two screws.
2. Pass the AC wires from conduit through the hole into inside the fixture. Screw the fixture to the G1/2" threaded conduit. Connect the wires: Black to Black, White to White, Green to Green.
3. Close the fixture by screwing two screws.



MOTION SENSOR INSTALLATION:

sold separately

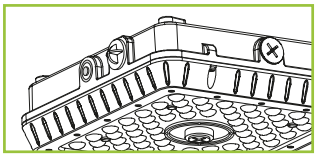
1. Unscrew the sensor base cap.
2. Insert and twist the sensor until it is tight on the base surface.



BUILT-IN BATTERY BACK-UP INFORMATION

Specifications	
Input voltage	100-277 Vac 50/60 Hz
Voltage	120 V
Emergency current	170 mA
Output power	15W
Lumens	1,310 lm
Emergency time	≥ 90 minutes
Indicator light	Illuminated test switch, indicator light
Battery	Li-ion - 11.1 V / 4000 mAh
Battery charging current	250 mA
Charging time	≥ 24 hours

STANDARD OPERATION DISPLAY STATUS:



Button	Remarks
ON	Charging mode, Battery is fully charged, AC power is ON
OFF	Emergency mode, Battery is discharging, AC power is OFF

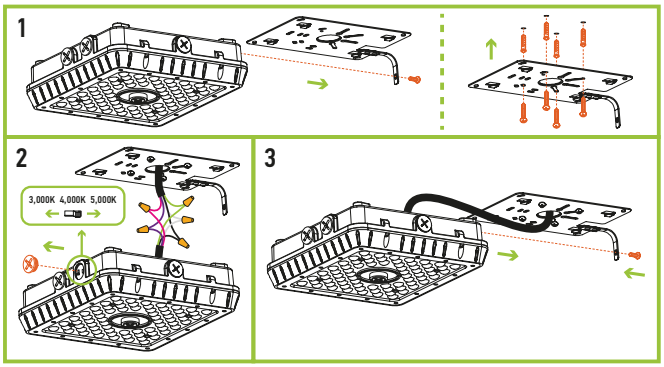
Indicator light modes:

- Red light ON - the battery back-up is charging in standby mode;
- Red light OFF - AC power is out, the battery back-up is working in emergency mode.

Test button operation: Press the test button to switch the system to back-up mode. The Red light will turn off, and the fixture will decrease in light amount. Release test button to go back to the normal mode.

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 (if needed) by unscrewing one big cap on the side of the fixture. Connect the wires: Black to Black, White to White, Green to Green 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.



Model	Mount type
IL-CAN07A-45WH	Bracket mount
IL-CAN07A-45BK	Pole + Bracket mount
IL-CAN07A-70WH	Pole + Bracket mount
IL-CAN07A-70BK	Bracket mount
IL-CAN07A-45WH-8EM	Bracket mount
IL-CAN07A-45BK-8EM	Pole + Bracket mount

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

INTEGRITY LED
Commercial LED Lighting

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INTEGRITY LED

LED LOW-PROFILE CANOPY WITH Q-BASE

CAN07A series

ORDERING INFORMATION

Model	Product dimensions	Weight	Pcs. per carton	Carton size	Carton weight	UPC	GTIN 14
CAN07A							
IL-CAN07A-45WH	10-9/16" x 9-13/16" x 2-15/16"	4.9 lbs (2.2 kg)	6	22.4" x 12.8" x 12.8"	33.5 lbs	81012811801	10810128118016
IL-CAN07A-45BK	10-9/16" x 9-13/16" x 2-15/16"	4.9 lbs (2.2 kg)	6	22.4" x 12.8" x 12.8"	33.5 lbs	81012811482	10810128114827
IL-CAN07A-70WH	10-9/16" x 9-13/16" x 2-15/16"	4.9 lbs (2.2 kg)	6	22.4" x 12.8" x 12.8"	33.5 lbs	81012811483	10810128114834
IL-CAN07A-70BK	10-9/16" x 9-13/16" x 2-15/16"	4.9 lbs (2.2 kg)	6	22.4" x 12.8" x 12.8"	33.5 lbs	81012811767	10810128117675
CAN07A-EM WITH BATTERY BACK-UP							
IL-CAN07A-45WH-8EM	10-9/16" x 9-13/16" x 2-15/16"	5.7 lbs (2.6 kg)	6	22.4" x 12.8" x 12.8"	38.8 lbs	81012811802	10810128118023
IL-CAN07A-45BK-8EM	10-9/16" x 9-13/16" x 2-15/16"	5.7 lbs (2.6 kg)	6	22.4" x 12.8" x 12.8"	38.8 lbs	81012811546	10810128115466

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

ANNEX 1

Model	Watts	3,000K	4,000K	5,000K
IL-CAN07A-45WH IL-CAN07A-45BK IL-CAN07A-45WH-8EM IL-CAN07A-45BK-8EM	45 W	6,230lm	6,917lm	6,900lm
IL-CAN07A-70WH IL-CAN07A-70BK	70 W	8,381lm	9,332lm	8,945lm

Model	BUG rating
IL-CAN07A-45WH	B2-U1-G1
IL-CAN07A-45BK	
IL-CAN07A-45WH-8EM	
IL-CAN07A-45BK-8EM	
IL-CAN07A-70WH	B3-U2-G1
IL-CAN07A-70BK	

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