

J-BOX LED CANOPY



PRODUCT DESCRIPTION

The J-BOX LED CANOPY is well designed to be superior illumination performance under exterior ceiling mount and canopy applications. J-BOX LED CANOPY series also provides LED solutions for garage applications, including entrances, and for garage areas.

FEATURE

- Microwave Dimming Sensor available
- With junction box, easy to install
- Light is soft and uniform, safe to eyes
- DLC Premium Listed
- IK08 rated

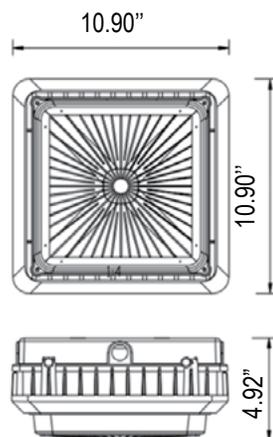
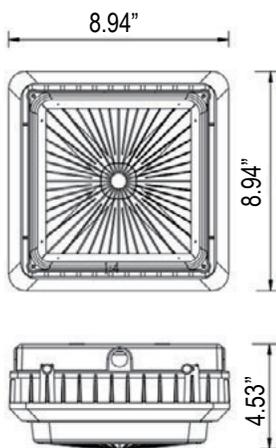
ELECTRICAL SYSTEM

- Input Voltage: 120-277V
- 50/60Hz
- Power Factor: > 0.9 at full load
- Total Harmonic Distortion: < 20% at full load

SPECIFICATION

40W/55W

75W/100W



PERFORMANCE

CRI

80+

CCT

4000K, 5000K

Dimming

1-10V Dimming

Projected Lifetime

L70 - 81,000 Hours

Working Temperature

For 40W, 75W and 100W, the minimum working temperature is -40°F(-40°C), maximum working temperature is 95°F(35°C).

For 55W, the minimum working temperature is -40°F(-40°C), maximum working temperature is 86°F(30°C).

If with microwave dimming sensor, the minimum working ambient is -31°F(-35°C)

Certifications

- cULus Listed
- DLC Premium Listed
- IP65 rated
- IK08 rated
- RoHS compliant

Ordering Information

Example: JBCAN40501

Series	Watts	CCT	Voltage	Controls	Lens	Finish
JBCAN	40-40W	40 - 4000K	1 - 120-277V	Blank - None	Blank - Stripe PC Lens	Blank - White
	55-55W	50 - 5000K		MSW - Microwave		
	75-75W			Dimming Sensor ¹		
	100-100W					

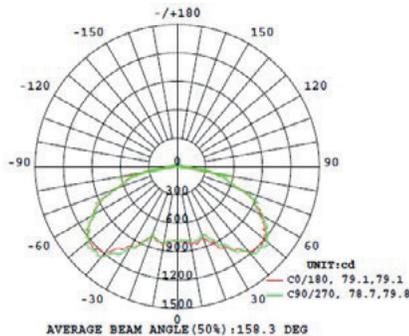
Notice:

1. Microwave dimming sensor, for mounting height 26ft (8m) max. Dimming default setting is Bi-Level dim and dimming to 50%. Stand-by period default setting is disable. Besides, daylight sensor default setting is disable. If need other dimming levels such as 20% or 30% and daylight sensor function please contact the Customer Service or please change the settings by DIP switches.

* White finish is standard. Custom color is available for a premium setup fee. Consult customer service for additional information.

PHOTOMETRY

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory.



PERFORMANCE DATA

LUMEN OUTPUT

Lumen values are measured by third party certified laboratories performed in accordance with IESNA LM-79-08 as well as Lighting Facts listed.

Nominal Watts	Lumen Output	AC Input 120V	CRI	Beam Angle	LPW
40W	5200	0.37	>80	160°	130
55W	7200	0.50	>80	160°	131
75W	9800	0.69	>80	160°	131
100W	13100	0.92	>80	160°	131

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperature from -4-104°F (-20-40°C)

Ambient		Multiplier
Celsius	Fahrenheit	
0	32	1.02
10	50	1.01
20	68	1.00
25	77	1.00
30	86	1.00
40	104	0.99

Projected LED Lumen Maintenance

Data references the extrapolated performance projections 40W the Square LED Canopy in a 77°F ambient, (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

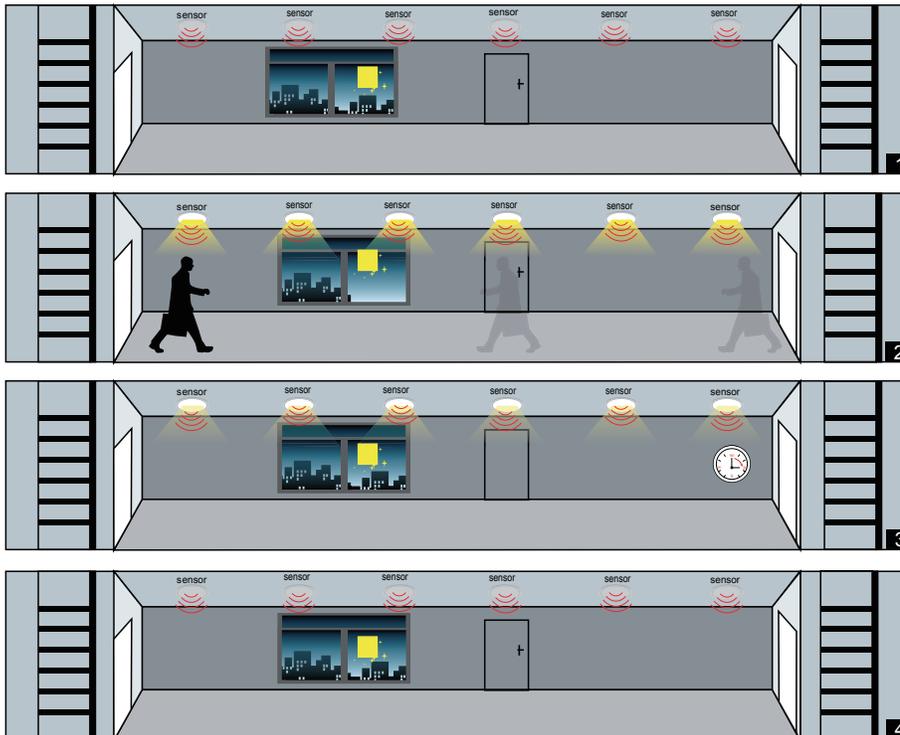
Operating Hours	0	7,000	11,000	21,000	81,000
Lumen Maintenance Factor	1.0	0.98(L98)	0.96(L96)	0.92(L92)	0.70(L70)

MICROWAVE DIMMING SENSOR

DIMMING FUNCTION

3-step dimming function

The sensor is an innovative motion sensor, switch on the light on detection of movement, and switch off after a hold time when there is no motion detected.



1. No motion detected, all lamps switch off.

2. Any movement is detected from any direction, all lamps synchronously switch on.

3. No motion is detected in detection area, all lamps synchronously dim to a low light level after hold time.

4. After stand-by period, the lamps switch off if no movement is detected in the detection zone.

MICROWAVE DIMMING SENSOR SETTING (120-277V)

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

ON ↑ [DIP SWITCH]		1	2	
	I	ON	ON	100%
	II	ON	-	75%
	III	-	ON	50%
	IV	-	-	25%

Detection area

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application .

Default Setting: 100%

ON ↑ [DIP SWITCH]		3	4	5	
	I	ON	ON	ON	5S
	II	-	ON	ON	30S
	III	ON	-	ON	90S
	IV	-	-	ON	3min
	V	ON	ON	-	20min
	VI	-	-	-	+∞

Hold time

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

Default Setting: 20 min

ON ↑ [DIP SWITCH]		6	7	8	
	I	ON	ON	ON	0S
	II	-	ON	ON	5S
	III	ON	-	ON	5min
	IV	-	-	ON	10min
	V	ON	ON	-	30min
	VI	-	ON	-	1h
	VII	-	-	-	Disable

Stand-by period

Refers to 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 "Disable" mode, the low light is maintained until motion is detected

Default Setting: Disable

ON ↑ [DIP SWITCH]		1	2	
	I	ON	ON	50%
	II	-	ON	30%
	III	ON	-	20%
	IV	-	-	10%

Stand-by dimming level

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

Default Setting: 50%

ON ↑ [DIP SWITCH]		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.

100lux, 100lux,50lux: twilight operation, 10lux, 5lux: darkness operation only.
 Note that daylight sensor is active only when lamp totally switches off.

Default Setting: Disable

Warranty

Five year limited warranty. Full warranty terms located www.abovealllighting.com/warrantystatements

Note:

Specifications subject to change without notice.