

MONT BLANC

One centre-basket troffer for 1x4, 2x2, 2x4 and 2x5 openings, with switchable power and CCT and up to 130lm/W. Standard or air-return trim, surface, suspended, gypsum or grid mounting, 0-10V dimming, motion sensor and Lutron wireless node options.

Commercial Office

Healthcare

Schools

Retail



Key Specifications

Electrical

Input voltage	120-277/347V
Power factor	> 0.9
THD	< 20%
Dimming	0-10V
Power	24W to 50W

Optical

Efficacy	130lm/W · 115lm/W 2x5
CRI	80
CCT	3000K · 3500K · 4000K · 5000K
Distribution	120°

Physical

Sizes	1x4 · 2x2 · 2x4 · 2x5
Trim	Standard · Air return
Mounting	Surface · Suspended · Gypsum · Grid
Ambient	-25°C to 40°C
Accessories	Mounting kits · EMBB · Sensor

Certifications

Listings	5-Yr Warranty · cETLus · DLC · RoHS
Lumen maintenance	L70 at 50000h

System Warranty

5 years

Eralux will warrant defective drivers, LEDs and boards for 5 years from the date of purchase. This warranty is valid only if the fixture is installed and used as per installation guides and specifications. If a defect is present, Eralux will send drivers and boards at no fee with thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

Lumen Maintenance

L70 at 50000h

Rated for 70% initial lumen output at 50000h of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES).

Ordering Guide - Fixture

Assembled Catalog Number

[RESET](#)

AE-RC-MBCA

01 FIXTURE FAMILY



AE-RC-MBCA

ERALUX Mont Blanc centre basket troffer, 120-277/347V

02 SIZE

14

1x4ft

22

2x2ft

24

2x4ft

25

2x5ft³

03 POWER

Blank

Switchable power¹

36

36W fixed, 1x4 only

Wattage and lumens per size: note 5

04 DISTRIBUTION

Blank

1x4 fixed-CCT models

LB

120°

05 CRI

N

80 CRI

06 CCT



30

3000K



35

3500K



40

4000K

30/35/40

3000/3500/4000K selectable

35/40/50

3500/4000/5000K selectable

07 CONTROL

010

0-10V dimming

MS1

Motion sensor⁴

08 FINISH



WH

White



WH-AR

White, air return slots

09 OPTION

Blank

No option

-MS

Motion sensor

-AWNRR

Wireless node¹

-AWNRS

Wireless node with sensor²

-1DIM

1% dimming

1. Lutron Smart Control: Lutron Athena wireless node, integral fixture control (RF only). 2. Lutron Smart Control with sensor: Lutron Athena wireless node, integral fixture control (RF with daylight and occupancy sensing). 3. 2x5 is only available with 35/40/50K CCT. 4. Combinations that are not offered are greyed out as NOT AVAILABLE; the metric sizes are on the Mont Blanc METRIC sheet. 5. Power and lumens per size: 1x4 - 36W, 4680lm, 3000K, 3500K or 4000K; 24/30/36W, 3120/3900/4680lm, 3000/3500/4000K selectable · 2x2 - 24/30/36W, 3120/3900/4680lm · 2x4 - 24/36/45W, 3120/4680/5850lm · 2x5 - 30/40/50W, 3360/4480/5600lm.

Accessory Ordering Guide

Mounting kit

RESET

AE-RC-M

01

FIXTURE FAMILY

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AE-RC-M

ERALUX commercial mounting options

02

MOUNTING OPTION

BGYPK

Gypsum kit

SMK-

Surface mount kit
3in

03

SIZE

1X4

1x4ft

2X2

2x2ft

2X4

2x4ft

Hanging kit

RESET

AE-RC-MB

01

FIXTURE FAMILY

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AE-RC-MB

ERALUX commercial mounting options

02

MOUNTING OPTION

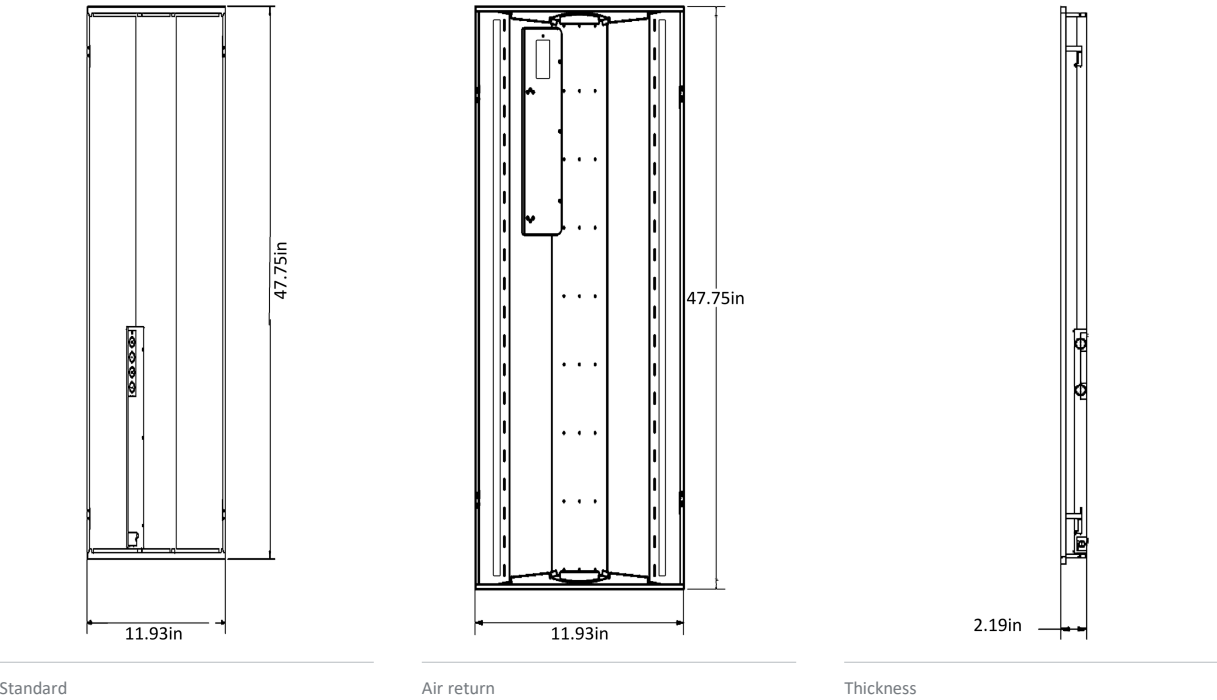
-HK

Hanging kit¹

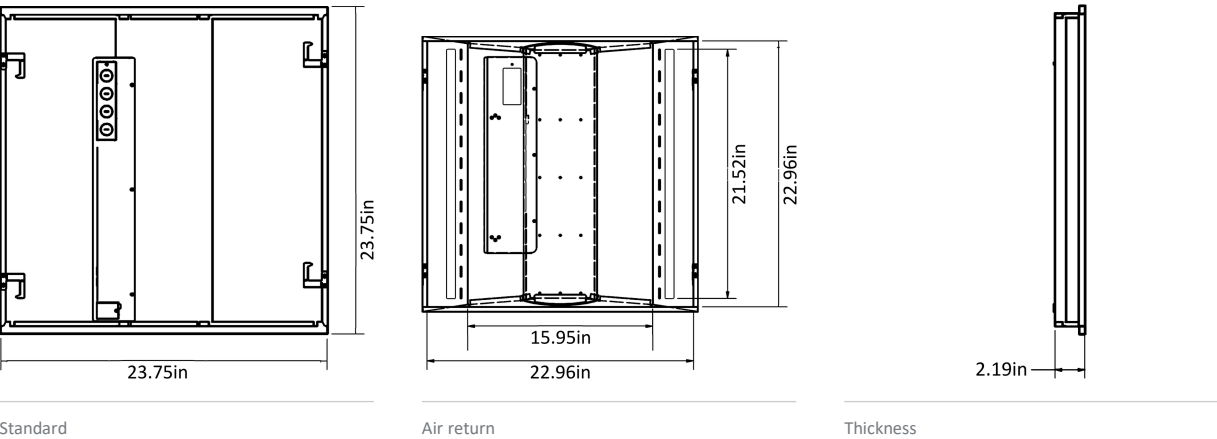
1. For a more aesthetic look, the hanging kit and the surface mount kit can be ordered together.

Dimensions

AE-RC-MBCA-14

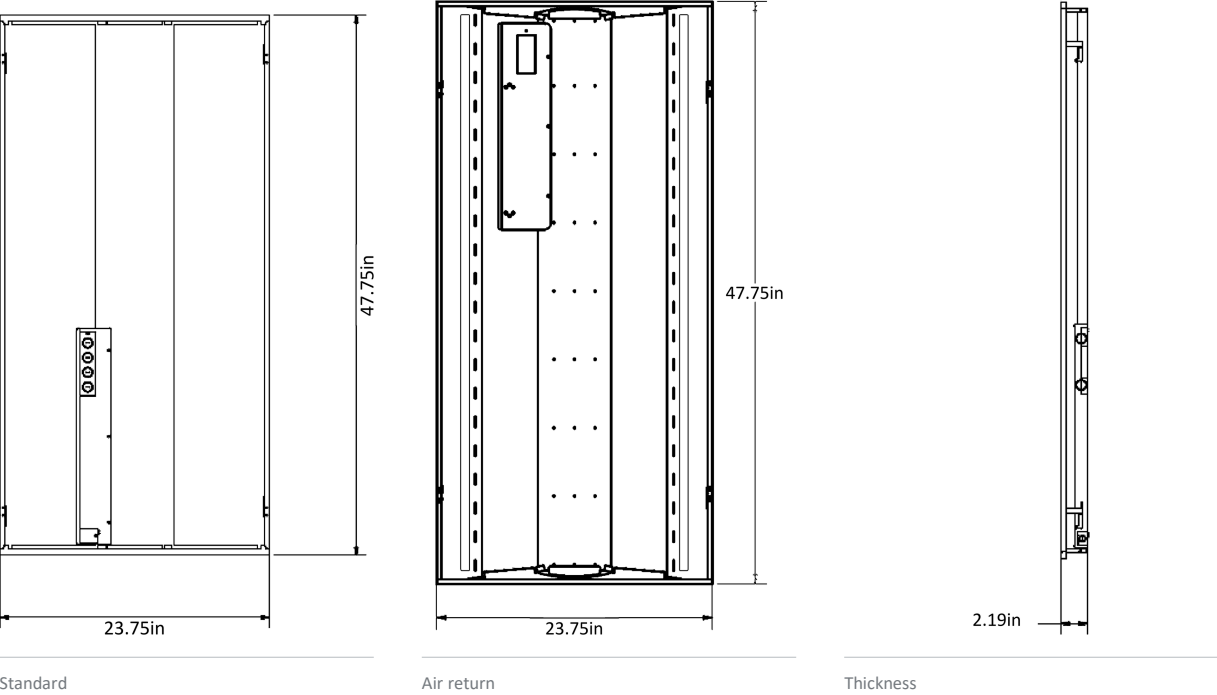


AE-RC-MBCA-22

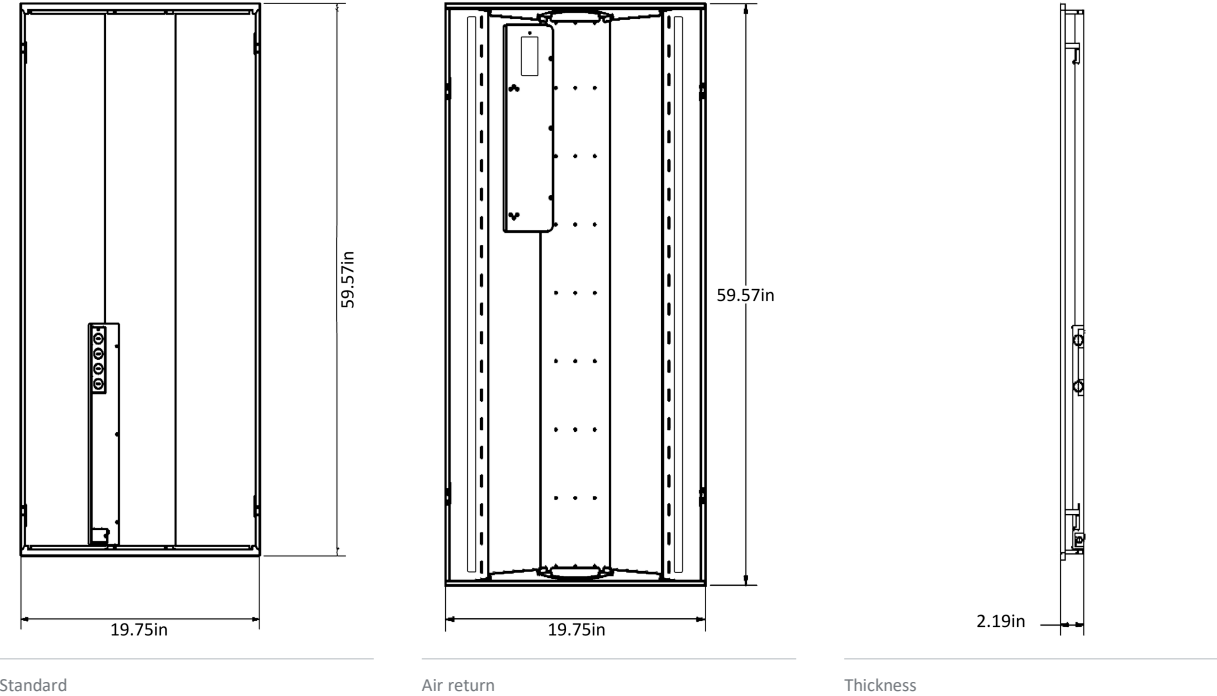


Dimensions

AE-RC-MBCA-24



AE-RC-MBCA-25



Mounting Accessories

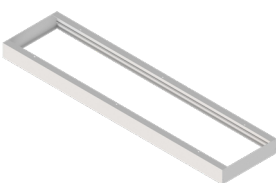
Ordered separately, field installed

Gypsum Kit - recessed gypsum



ORDERING CODE	LENGTH	WIDTH	HEIGHT	CUT OUT LENGTH	CUT OUT WIDTH
AE-RC-MBGYPK1X4	49.1in	25.1in	1.5in	48.3in - 48.7in	12.5in – 12.9in
AE-RC-MBGYPK2X2	25.1in	25.1in	1.5in	24.3in - 24.7in	24.3in - 24.7in
AE-RC-MBGYPK2X4	49.1in	13.3in	1.5in	48.3in - 48.7in	24.3in - 24.7in

Surface Mount Kit



ORDERING CODE	LENGTH	WIDTH	HEIGHT
AE-RC-MSMK-1X4	48in	12.2in	2.91in
AE-RC-MSMK-2X2	24in	24in	2.91in
AE-RC-MSMK-2X4	48in	12.2in	2.91in

Hanging Kit



ORDERING CODE	QUANTITY	DESCRIPTION	LENGTH
AE-RC-MB-HK	3 pieces/set	Galvanized aircraft cable	4ft

Installation: [Install Instruction link](#)

Accessories

Emergency Battery Backup

BLD-HM08D-YYY

Emergency LED driver, 8W

BLD-HM15D-YYY

Emergency LED driver, 15W

BLD-HM25D-YYY

Emergency LED driver, 25W



The BLD-HMXXD-YYY series LED Emergency Driver is UL listed for field and factory installations. It switches to emergency mode during power failures, providing up to 90min of lighting. With an integrated battery, charger, and converter, it delivers 8W, 15W or 25W constant power at 170V DC. Ideal for 0-10V dimmable indoor commercial LED fixtures, such as flat panels, troffers, downlights, and linear strip lights.

Input Voltage	100-347V
Power Frequency	50/60Hz
Input Power	6W max · 12W · 12W
Output Voltage	170V DC
Output Power	8W · 15W · 25W
Ambient Temperature	0°C to 50°C 30°F to 122°F
Installation	Remote



BLD-HM08D-YYY

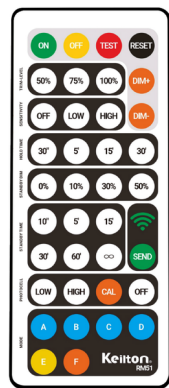
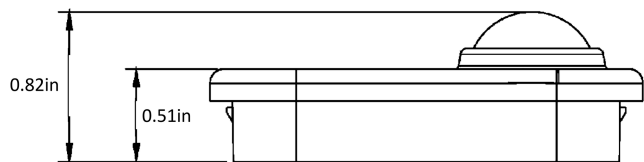
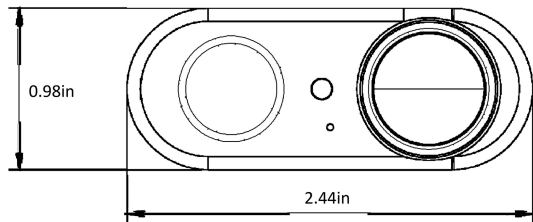
Motion Sensor

Bi-Level PIR Motion Sensor - IFS06R



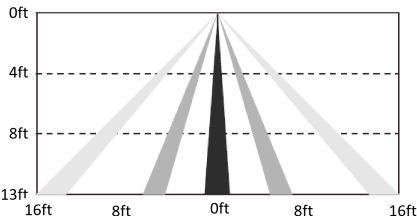
The IFS06R is a compact PIR (Passive Infrared) sensor that combines motion detection with daylight control. It works with 0-10V dimming LED drivers to enable automatic lighting, turning fixtures on and off based on occupancy and available daylight. The built-in photocell allows for dusk-to-dawn operation, keeping lights on overnight even without motion. In daylight harvesting mode, it automatically adjusts lighting to maintain the perfect balance with natural light. It's ideal for low-profile fixtures and supports simple push-button connections.

Input Voltage	12V DC
IP Rated	IP20
Mounting Height	23ft max
Detection Range	32ft
Standby Power	<0.5W
Operating Temperature	-30°C to 55°C
Installation	Fixture integrated



- Remote control:** AE-SF-JB-MOTIONSENSOR-RMT
- Comes with 6 default modes with different options:
- Trim-level (Dimming % when turned on)
 - Sensitivity (Sensor sensitivity to movement)
 - Hold time (Time before the fixture goes to standby mode)
 - Standby dim percentage (Dimming % when no movement)
 - Standby time (Time before the fixture turns off after standby)
 - Photocell (Sensitivity for the lumens adjustment to natural light)

Microwave motion sensor coverage



Photometric Data

Lumen Estimate Adjustment Factors

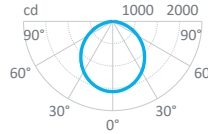
3000K $\times 0.94$ 3500K $\times 0.97$ 4000K $\times 1$

Factors for 80 CRI. Lumen output varies based on CCT and CRI; multiply by the factor for the CCT ordered.

AE-RC-MBCA-14LBN

1x4 · 36W · 3500K

		ZONE	LUMENS	% FIXTURE
Wattage	34.5W	0-20°	572.45	13.14
CCT	3500K	0-30°	1209.15	27.76
Distribution	120°	0-40°	1968.56	45.20
		0-60°	3442.62	79.05
		0-80°	4270.53	98.06
		0-90°	4334.55	99.53

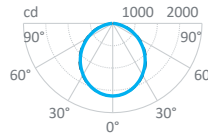


DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	545	4.8ft 4.8ft
3.3ft	145	9.2ft 9.3ft
5.0ft	63.0	14.0ft 14.0ft
6.7ft	35.1	18.7ft 18.8ft
8.3ft	22.8	23.2ft 23.3ft
10.0ft	15.7	28.0ft 28.1ft
Vert. spread		108.9°
Horiz. spread		109.1°

AE-RC-MBCA-22LBN

2x2 · 36W · 3500K

		ZONE	LUMENS	% FIXTURE
Wattage	35.8W	0-20°	590.69	13.19
CCT	3500K	0-30°	1246.09	27.82
Distribution	120°	0-40°	2025.42	45.22
		0-60°	3532.61	78.87
		0-80°	4375.20	97.68
		0-90°	4460.75	99.59

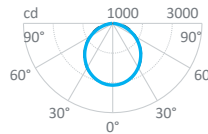


DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	563	4.6ft 4.9ft
3.3ft	149	8.9ft 9.4ft
5.0ft	65.1	13.5ft 14.3ft
6.7ft	36.2	18.0ft 19.1ft
8.3ft	23.6	22.3ft 23.7ft
10.0ft	16.3	26.9ft 28.6ft
Vert. spread		106.8°
Horiz. spread		110.0°

AE-RC-MBCA-24LBN

2x4 · 45W · 4000K

		ZONE	LUMENS	% FIXTURE
Wattage	44.4W	0-20°	755.84	12.92
CCT	4000K	0-30°	1596.62	27.28
Distribution	120°	0-40°	2599.12	44.41
		0-60°	4552.07	77.79
		0-80°	5700.45	97.41
		0-90°	5828.24	99.59

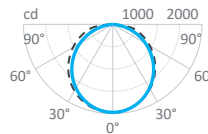


DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	718	4.7ft 4.9ft
3.3ft	191	9.2ft 9.6ft
5.0ft	83.1	13.9ft 14.5ft
6.7ft	46.3	18.7ft 19.4ft
8.3ft	30.1	23.1ft 24.0ft
10.0ft	20.8	27.9ft 29.0ft
Vert. spread		108.7°
Horiz. spread		110.8°

AE-RC-MBCA-25LBN

2x5 · 50W · 4000K

		ZONE	LUMENS	% FIXTURE
Wattage	47.3W	0-20°	720.37	12.06
CCT	4000K	0-30°	1530.98	25.62
Distribution	120°	0-40°	2513.56	42.06
		0-60°	4498.40	75.28
		0-80°	5778.76	96.71
		0-90°	5972.25	99.94



DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	682	5.0ft 5.9ft
3.3ft	181	9.6ft 11.5ft
5.0ft	78.8	14.6ft 17.5ft
6.7ft	43.9	19.5ft 23.4ft
8.3ft	28.6	24.2ft 29.0ft
10.0ft	19.7	29.1ft 34.9ft
Vert. spread		111.1°
Horiz. spread		120.4°

Sensor & Dimming

Bluetooth Sensors ARIA PLUS · BLE

Fixture-integrated sensors

Product	Detection type	Detection range	Bluetooth range	Dimming protocol	Installation
 IFS108 Low bay · indoor	PIR	40ft	100ft	0-10V Dimming	Integrated into fixture

Non-Bluetooth Sensors set up by IR remote

Product	Detection type	Detection range	Set-up	Dimming protocol	Installation
 IFS06R Low bay · indoor	PIR	32ft	IR remote	0-10V Dimming	Integrated into fixture
Remote control AE-SF-JB-MOTIONSENSOR-RMT					
 Detecta AE-CT-DT806	PIR Microphonics	9.8–32.75ft	IR remote	On/Off	Ceiling · no power pack
Remote control RC102					

Please refer to spec sheet for exact specifications for all items above.

Dimmer List

Dimmer Compatibility

LEVITON	IP710-LFZ · DS710
LUTRON	DVS7V-WH · MS-Z101
HUBBLE	LHDIRS3N
EATON	WBSD-010SLD
LEGRAND	RH4FBL3PTC

Compatibility verified by Eralux at time of publication. For dimmers not listed, contact the factory.

DLC Qualified Models

Design Lights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

DLC	PRODUCT ID	MODEL NUMBER	CATEGORY	CLASS
5.1	S-UJS38P	AE-RC-MBCA2224N35/40/50010WH[EM,MS,BM,2.4G,Blank]	Indoor	Premium
5.1	S-KCPBNE	AE-RC-MBCA2230N35/40/50010WH[EM,MS,BM,2.4G,Blank]	Indoor	Premium
5.1	S-XKYWRV	AE-RC-MBCA22LBN35/40/50010WH[EM,MS,BM,2.4G,Blank]	Indoor	Premium
5.1	S-O4BXZJ	AE-RC-MBCA2424N35/40/50010WH[EM,MS,BM,2.4G,Blank]	Indoor	Premium
5.1	S-6S8LFU	AE-RC-MBCA2436N35/40/50010WH[EM,MS,BM,2.4G,Blank]	Indoor	Premium
5.1	S-YH4LOB	AE-RC-MBCA24LBN35/40/50010WH[EM,MS,BM,2.4G,Blank]	Indoor	Premium
5.1	S-YMD7KS	AE-RC-MBCA24LBN35/40/50010WH[EM,MS,BM,Blank]	Indoor	Premium
5.1	S-6S1LK3	AE-RC-MBCA25LBN35/40/50010WH	Indoor	Premium
5.1	S-89G2SX	AE-RC-MBCA25LBN35/40/50010WH	Indoor	Standard