

MONT BLANC METRIC

A centre-basket troffer with superior LED placement, sized 23.43x23.43in, 23.43x47.05in or 59.06x19.69in. Switchable CCT and power give flexible brightness and colour temperature, with efficacy up to 130lm/W and standard or air-return trim.

Commercial Office

Healthcare

Schools

Retail



Key Specifications

Electrical

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

Optical

Efficacy	130lm/W · 125lm/W (1500)
CRI	80
CCT	35K · 40K · 50K
Distribution	120°

Physical

22M	23.43x23.43in · 24/30/36W
24M	23.43x47.05in · 24/36/45W
1500	59.06x19.69in · 30/40/50W
Trim	Standard · Air return
Mounting	Recessed T-grid
Ambient	-25°C to 40°C
Accessories	EMBB · Occupancy sensor · Remote

Certifications

Listings	5-Yr Warranty · cETLus · 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 Center Basket Troffer, 120-277/347V

02 SIZE

22M

23.43x23.43in - 24/30/36W
3120/3900/4680lm

24M

23.43x47.05in - 24/36/45W
3120/4680/5850lm

1500

59.06x19.69in - 30/40/50W
3360/4480/5600lm

03 DISTRIBUTION

LB

120°

04 CRI

N

80 CRI

05 CCT

35/40/50

3500/4000/5000K selectable

06 CONTROL

010

0-10V dimming

MS1

Motion sensor ⁴

07 FINISH

WH

White

WH-AR

White, air return
slots

08 OPTION

Blank

No option

-AWNRR

Wireless node ²

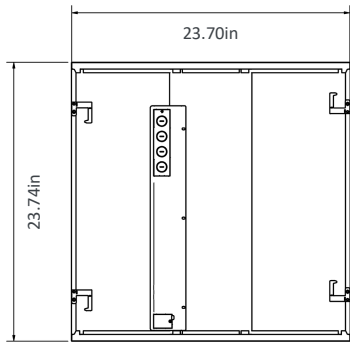
-AWNRS

Wireless node with sensor ³

1. 8W battery: 90min. EMBB is external and requires to be field installed. 2. Lutron Smart Control: Lutron Athena Wireless Node integral fixture control (RF only). 3. Lutron Smart Control with Sensor: Lutron Athena Wireless Node integral fixture control (RF with daylight and occupancy sensing). 4. MS1: Bi-Level PIR Motion Sensor IFS06R, comes with the fixture (see Controls). Combinations that are not offered are greyed out as NOT AVAILABLE; the imperial sizes are on the Mont Blanc sheet.

Dimensions

AE-RC-MBCA22M · 23.43x23.43in

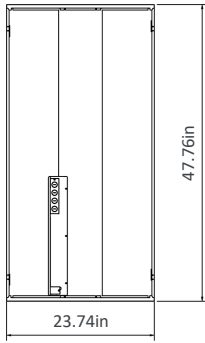


Top view

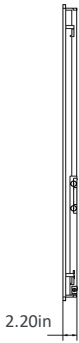


Thickness

AE-RC-MBCA24M · 23.43x47.05in

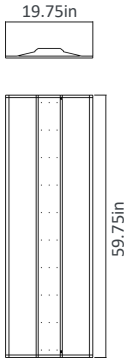


Top view

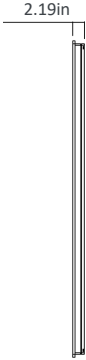


Thickness

AE-RC-MBCA1500 · 59.06x19.69in



Top view



Thickness

[Install Instructions](#)

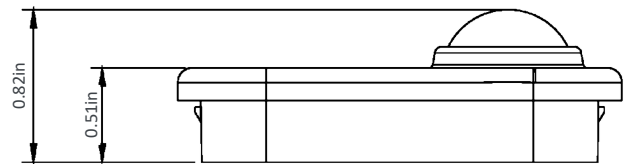
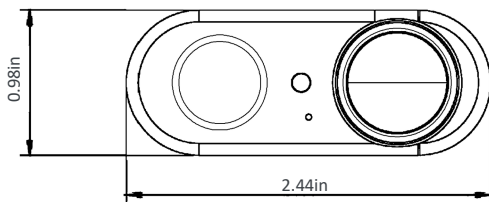
Controls

Bi-Level PIR Motion Sensor - IFS06R

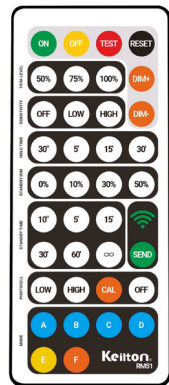
AE-RC-APB-XXWXX-28CDS (comes with fixture)



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 electric lighting to maintain the perfect balance with natural light. It is 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



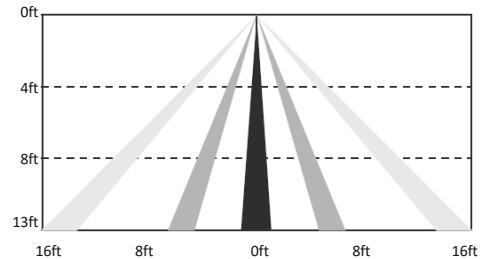
Remote control

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



Accessories

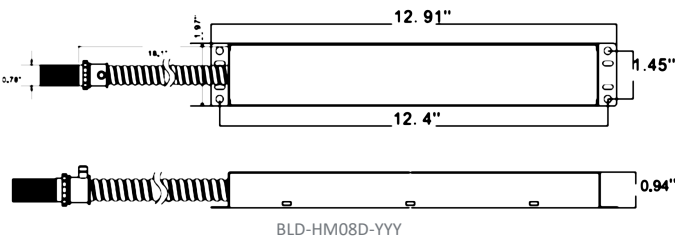
Emergency Battery Backup

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

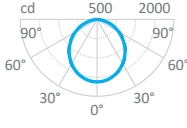


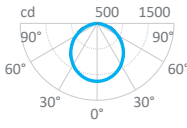
Photometric Data

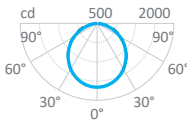
Lumen Estimate Adjustment Factors

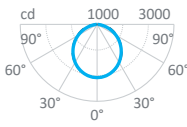
3500K $\times 0.97$ 4000K $\times 1$ 5000K $\times 1.03$

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

AE-RC-MBCA22MLBNXX		ZONE	LUMENS	% FIXTURE		DISTANCE	CENTER Fc	BEAM WIDTH		
22M · 23.43x23.43in		0-20°	590.69	13.19		1.7ft	563	4.6ft	4.9ft	
Wattage	35.8W	0-30°	1246.09	27.82		3.3ft	149	8.9ft	9.4ft	
CCT	3500K	0-40°	2025.42	45.22		5.0ft	65.1	13.5ft	14.3ft	
Distribution	120°	0-60°	3532.61	78.87		6.7ft	36.2	18.0ft	19.1ft	
		0-80°	4375.20	97.68		8.3ft	23.6	22.3ft	23.7ft	
		0-90°	4460.75	99.59		10.0ft	16.3	26.9ft	28.6ft	
						Vert. spread		106.8°		
						Horiz. spread		110.0°		

AE-RC-MBCA24MLBNXX		ZONE	LUMENS	% FIXTURE		DISTANCE	CENTER Fc	BEAM WIDTH		
24M • 23.43x47.05in		0-20°	411.37	12.92		1.7ft	391	4.7ft	4.9ft	
Wattage	24W	0-30°	868.96	27.28		3.3ft	104	9.2ft	9.6ft	
CCT	4000K	0-40°	1414.57	44.41		5.0ft	45.2	13.9ft	14.5ft	
Distribution	120°	0-60°	2477.46	77.79		6.7ft	25.2	18.7ft	19.4ft	
		0-80°	3102.47	97.41		8.3ft	16.4	23.1ft	24.0ft	
		0-90°	3172.02	99.59		10.0ft	11.3	27.9ft	29.0ft	
						Vert. spread		108.7°		
						Horiz. spread		110.8°		

AE-RC-MBCA24MLBNXX		ZONE	LUMENS	% FIXTURE		DISTANCE	CENTER Fc	BEAM WIDTH	
24M · 23.43x47.05in		0-20°	604.45	12.92		1.7ft	575	4.7ft	4.9ft
Wattage	36W	0-30°	1276.83	27.28		3.3ft	152	9.2ft	9.6ft
CCT	4000K	0-40°	2078.54	44.41		5.0ft	66.4	13.9ft	14.5ft
Distribution	120°	0-60°	3640.34	77.79		6.7ft	37.0	18.7ft	19.4ft
		0-80°	4558.70	97.41		8.3ft	24.1	23.1ft	24.0ft
		0-90°	4660.90	99.59		10.0ft	16.6	27.9ft	29.0ft
						Vert. spread		108.7°	
						Horiz. spread		110.8°	

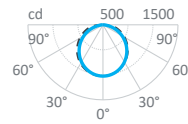
AE-RC-MBCA24MLBNXX		ZONE	LUMENS	% FIXTURE		DISTANCE	CENTER Fc	BEAM WIDTH		
24M • 23.43x47.05in		0-20°	755.84	12.92		1.7ft	718	4.7ft	4.9ft	
Wattage	44.4W	0-30°	1596.62	27.28		3.3ft	191	9.2ft	9.6ft	
CCT	4000K	0-40°	2599.12	44.41		5.0ft	83.1	13.9ft	14.5ft	
Distribution	120°	0-60°	4552.07	77.79		6.7ft	46.3	18.7ft	19.4ft	
		0-80°	5700.45	97.41		8.3ft	30.1	23.1ft	24.0ft	
		0-90°	5828.24	99.59		10.0ft	20.8	27.9ft	29.0ft	
								Vert. spread	108.7°	
								Horiz. spread	110.8°	

Photometric Data

AE-RC-MBCA1500LBNXX

1500 · 59.06x19.69in

		ZONE	LUMENS	% FIXTURE
		0-20°	374.98	12.06
Wattage	28W	0-30°	796.93	25.62
CCT	4000K	0-40°	1308.39	42.06
Distribution	120°	0-60°	2341.57	75.28
		0-80°	3008.03	96.71
		0-90°	3108.75	99.94

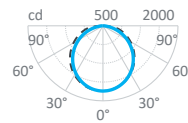


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	355	5.0ft	5.9ft
3.3ft	94.2	9.6ft	11.5ft
5.0ft	41.0	14.6ft	17.5ft
6.7ft	22.8	19.5ft	23.4ft
8.3ft	14.9	24.2ft	29.0ft
10.0ft	10.3	29.1ft	34.9ft
Vert. spread		111.1°	
Horiz. spread		120.4°	

AE-RC-MBCA1500LBNXX

1500 · 59.06x19.69in

		ZONE	LUMENS	% FIXTURE
		0-20°	635.55	12.06
Wattage	40.3W	0-30°	1350.72	25.62
CCT	4000K	0-40°	2217.61	42.06
Distribution	120°	0-60°	3968.76	75.28
		0-80°	5098.36	96.71
		0-90°	5269.07	99.94

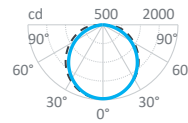


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	602	5.0ft	5.9ft
3.3ft	160	9.6ft	11.5ft
5.0ft	69.5	14.6ft	17.5ft
6.7ft	38.7	19.5ft	23.4ft
8.3ft	25.2	24.2ft	29.0ft
10.0ft	17.4	29.1ft	34.9ft
Vert. spread		111.1°	
Horiz. spread		120.4°	

AE-RC-MBCA1500LBNXX

1500 · 59.06x19.69in

		ZONE	LUMENS	% FIXTURE
		0-20°	720.37	12.06
Wattage	47.3W	0-30°	1530.98	25.62
CCT	4000K	0-40°	2513.56	42.06
Distribution	120°	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.