

MAGIC 1.8 LED LINEAR LIGHT



PRODUCT DESCRIPTION

This MAGIC led linear fixture is a 1.8" wide, linear architectural luminaire with a slim and a discrete profile. Available in standard lengths of 2', 4', and 8' that can be joined together in seamless runs of desired length. The MAGIC Linear is wattage and CCT selectable. A selection of pattern creating joiners are available for unlimited lighting pattern designs.

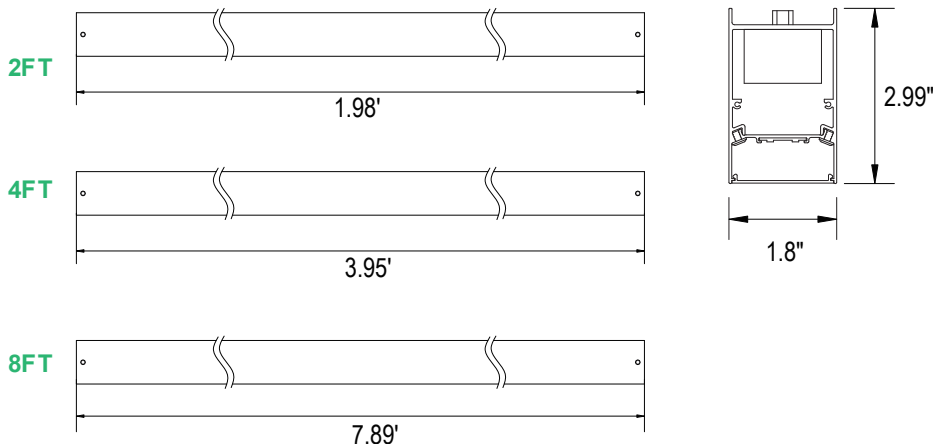
FEATURES

- Comes in lengths of 2', 4', and 8'
- 3000K, 3500K and 4000K selectable
- Wattage selectable
- Available with several lit joiner accessories for unlimited lighting pattern design
- Surface and pendant mount
- Microwave sensor and EBU are available

ELECTRICAL SYSTEM

- Input Voltage: 120-277V, 50/60Hz
- Operating temperature range: -4-104°F (-20-40°C)
- Power Factor: > 0.9 at full load
- Total Harmonic Distortion: < 20% at full load

SPECIFICATION



PERFORMANCE

CRI

80

CCT

3000K, 3500K, 4000K

Dimming

1-10V Dimming

Compatible Dimmer

LUTRON: DDTV

LEVITON: IP710

Projected Lifetime

L70 - 100,000 Hours

Working Temperature

-4-104°F (-20-40°C)

Certifications

- cULus conforms to UL Std. 1598Cert. to CSA Std. C22.2 No.250.0
- Suitable for damp locations
- RoHS compliant

Ordering Information

Example: MAG1218-SW1-PM-D-FDL

MAG						-		-		-	
1	2	3	4	5	6		7		8		9

1. Series

☒ MAG

2. Length

☐ 06 - 2FT ☐ 12 - 4FT ☐ 24 - 8FT

Option - Desired System Length*

* Individual fixtures, Runs and Configurations are supplied in nominal lengths to ensure full, even, illumination. If desired runs and configurations are needed, please tell us the details in advance. Then we can prepare the middle run and end run in factory for easy installation, or end user need to modify the standard individual fixtures into middle run and end run.

3. Width

☐ 18 - 1.8 Inch

4. Driver

☒ Blank - Integral

5. CCT

☐ SW - 3000K/3500K/4000K selectable

* 3500K is default setting.

6. Voltage

☐ 1 - 120-277V

7. Mounting Options

☐ PM - Pendant¹ ☐ SM - Surface Mounted

1. Aircraft Cable pendant mount is standard. Pendant mount kits include dry ceiling and drop ceiling and they need to be bought separately. Please refer to the following accessory table to choose the right pendant mounting kits.

8. Light Distribution

☐ D - 100% Downlight¹

* Data was based on the diffuser optics. It has $\pm 10\%$ change for different lens optics.

9. Lens Options

☐ FDL - Flush Diffused Lens

* If the joined length exceeds 8ft, only continuous Roll-Out Lens can be used.

10. Finish

☐ Blank - White ☐ BK - Black

Accessories (ordered separately and field installed)



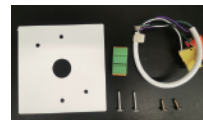
MAG-PMK1

Aircraft Cable Pendant Mount Kits for Dry Ceiling
(One set per fixture)



MAG-PMK3

Aircraft Cable Pendant Mount Kits for Drop Ceiling
(One set per fixture)



MAG-SMK

Surface Mount Kits



MAG18-LINE

Line Shape Mount Bracket
(standard)


RC-100

Remote Control for
Microwave Motion Sensor


MAG-MSW²

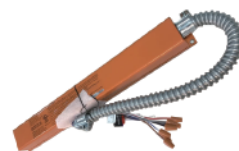
Microwave Motion Sensor Kits
for wall mount

MAG-MSW-PM/SM²

Microwave Motion Sensor Kits
for pendant and surface mount


MAG18-ROL¹

Continuous Roll-Out
Lens (43')¹


EBU-H08170³

8W Emergency Battery
Back-up for MAX.60W fixture

EBU-H25170³

25W Emergency Battery
Back-up for MAX.200W fixture

Notes:

1. If the joined length exceeds 8ft, only continuous Roll-Out Lens can be used.
2. Microwave dimming sensor, for mounting height 20ft (6m) max. Dimming default setting is Bi-Level dim and dimming to 50%. Besides, daylight sensor default setting is disable. If need other dimming levels such as 10% or 30%, ON/OFF function and daylight sensor function, please consult with customer service in advance.
3. Emergency battery back-up is for ambient temperatures of 32°F -95°F (0 °C -35°C).

PERFORMANCE DATA

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

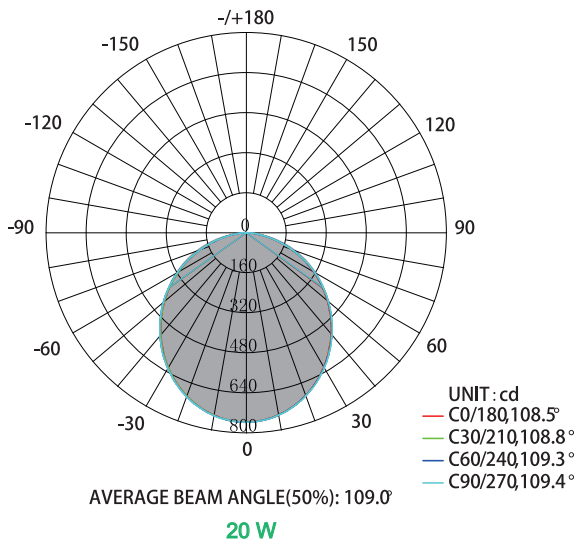
Lengths	2FT	4FT	8FT
Width	1.8"	1.8"	1.8"
Wattage	10W/15W/20W selectable	20W/30W/40W selectable	40W/60W/80W selectable
Voltage	120-277V (Int.Driver)	120-277V (Int.Driver)	120-277V (Int.Driver)
Efficacy @3500K	500lm/ft, 5w/ft 750lm/ft, 7.5w/ft 1000lm/ft, 10w/ft	500lm/ft, 5w/ft 750lm/ft, 7.5w/ft 1000lm/ft, 10w/ft	500lm/ft, 5w/ft 750lm/ft, 7.5w/ft 1000lm/ft, 10w/ft
Installation	Pendant / Surface Mount		
Controls (optional)	Emergency Battery Back-up / Motion Sensor		

Notes: Above efficacy is subject to 3500K and white finish. All efficacy is ±5% base on different CCT. Use 0.8 multiplier for black finish. Check the IES file to gain the accurate data.

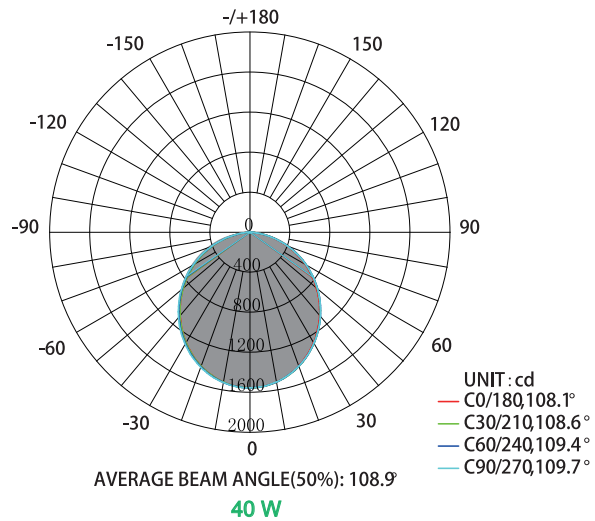
PHOTOMETRY

All published luminaire photo metric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%. Result may vary per actual order.

Distribution Diagram



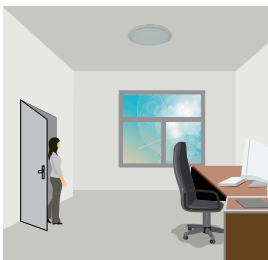
Distribution Diagram



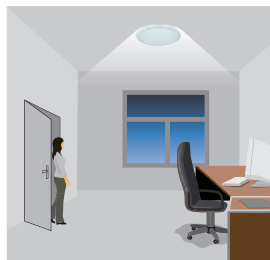
MICROWAVE DIMMING SENSOR

3-step dimming function

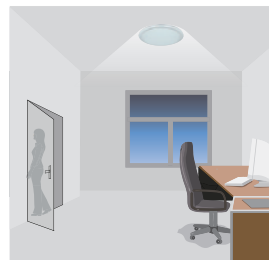
The sensor is an innovative motion sensor, switch on the light on detection of movement, and switch off after a hold time when there is no motion detected.



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. The sensor setting also can be done by a remote control (RC-100) which need to be bought separately.

	1	2	
I	↓	↓	20%
II	↓	↑	50%
III	↑	↓	75%
IV	↑	↑	100%

Sensitivity

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

Default Setting: 100%

	3	4	
I	↓	↓	10 S
II	↓	↑	1 Min
III	↑	↓	5 Min
IV	↑	↑	15 Min

Hold time

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

Default Setting: 15min

	5	6	
I	↓	↓	☀
II	↓	↑	10 Lux
III	↑	↓	30 Lux
IV	↑	↑	50 Lux

Daylight sensor

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold.

Default Setting: ☀ (Disable)

	7	8	
I	↓	↓	0%
II	↓	↑	10%
III	↑	↓	30%
IV	↑	↑	50%

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%

	9	10	
I	↓	↓	+ ∞
II	↓	↑	1 Min
III	↑	↓	30 Min
IV	↑	↑	60 Min

Stand-by time

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 " + ∞ " mode, the low light is maintained until motion is detected

Default Setting: 30 Min

Warranty

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

Note:

Specifications subject to change without notice.