

## 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.

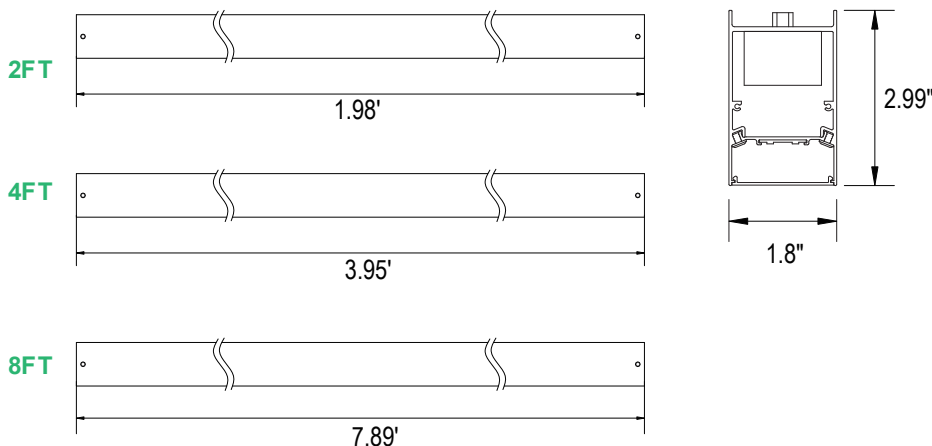
### FEATURES

- 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

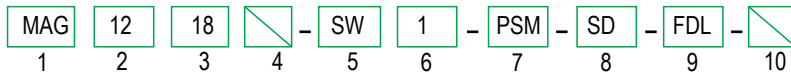
-4-104°F (-20-40°C)

Certifications

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

## Ordering Information

### Example: MAG1218-SW1-PSM-SD-FDL



#### 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

\* 4000K is default setting.

#### 6. Voltage

1 - 120-277V

#### 7. Mounting Options

PSM - Suspended and Surface Mounted  
 WM - Wall Mounted

\* Please refer to the following accessory table to choose the right mounting kits.

#### 8. Light Distribution

SD - 2 Lighting Distribution By Dip Switch

25%Up/75% Down

100% Down

\* 100% Down is default setting.

#### 9. Lens Options

FDL - Flush Diffused Lens

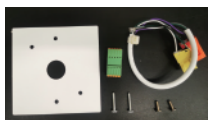
\* If the joined length exceeds 8ft, only continuous Roll-Out Lens can be used.

#### 10. Finish

Blank - White

BK - Black

## Accessories (ordered separately and field installed)



#### MAG-SMK

Surface and Wall Mount Kits



#### MAG18-LINE

Line Shape Mount Bracket  
(standard)



#### MAG-MSW<sup>2</sup>

Microwave Motion Sensor Kits  
for wall mount

#### MAG-MSW-PM/SM<sup>2</sup>

Microwave Motion Sensor Kits  
for pendant and surface mount



#### MAG18-ROL<sup>1</sup>

Continuous Roll-Out  
Lens (43')<sup>1</sup>

### Drop Ceiling Suspension Mount List



#### MAG-PMK3-5FT

Aircraft Cable Pendant Mount Kits for Drop Ceiling, with 5ft aircraft cable and 5ft power cord ( One set per fixture)

#### MAG-PMK3-12FT

Aircraft Cable Pendant Mount Kits for Drop Ceiling, with 12ft aircraft cable and 12ft power cord ( One set per fixture)

\* Suitable for 9/16" and 15/16" Flat Ceiling.  
If for 9/16" slot ceiling please contact Customer Service.

### Dry Ceiling Suspension Mount List



#### MAG-PMK1-5FT

Aircraft Cable Pendant Mount Kits for Dry Ceiling, with 5ft aircraft cable and 5ft power cord ( One set per fixture)

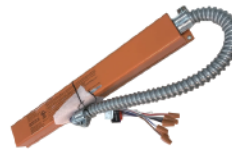
#### MAG-PMK1-12FT

Aircraft Cable Pendant Mount Kits for Dry Ceiling, with 12ft aircraft cable and 12ft power cord ( One set per fixture)



#### RC-100

Remote Control for Microwave Motion Sensor



#### EBU-H08170<sup>9</sup>

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

#### EBU-H25170<sup>9</sup>

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

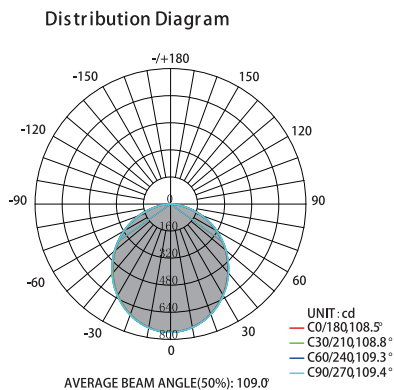
Lumen values are measured by third party certified laboratories performed in accordance with IESNA LM-79-08 as well as Lighting Facts listed.

Finish	Length	Wattage Selectable	Lumen (25%up / 75% down)			Lumen (100% down)			Efficacy
			3000K	3500K	4000K	3000K	3500K	4000K	
White	2'	20W/15W/10W	1120~2240lm	1220~2440lm	1170~2340lm	1050~2100lm	1150~2300lm	1100~2200lm	580~1170 lm/ft
	4'	40W/30W/20W	2240~4480lm	2440~4880lm	2340~4680lm	2100~4200lm	2300~4600lm	2200~4400lm	
	8'	80W/60W/40W	4480~8960lm	4880~9760lm	4680~9360lm	4200~8400lm	4600~9200lm	4400~8800lm	
Black	2'	20W/15W/10W	920~1840lm	1020~2040lm	970~1940lm	850~1700lm	950~1900lm	900~1800lm	480~970 lm/ft
	4'	40W/30W/20W	1840~3680lm	2040~4080lm	1940~3880lm	1700~3400lm	1900~3800lm	1800~3600lm	
	8'	80W/60W/40W	3680~7360lm	4080~8160lm	3880~7760lm	3400~6800lm	3800~7600lm	3600~7200lm	

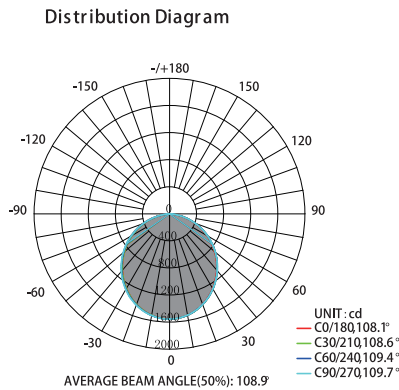
Notes: Please check the IES file to gain the accurate data.

## 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.



20 W



40 W

## 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](http://www.abovealllighting.com/warrantystatements).

Specifications subject to change without notice.