

## MAGIC 1.3 LED LINEAR LIGHT



### PRODUCT DESCRIPTION

This MAGIC led linear fixture is a 1.3" 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 an affordable indirect / direct linear LED luminaire. A selection of pattern creating joiners are available for unlimited lighting pattern designs. Choose from a variety of optical lens effects, each delivering uniform, continuous lines of light.

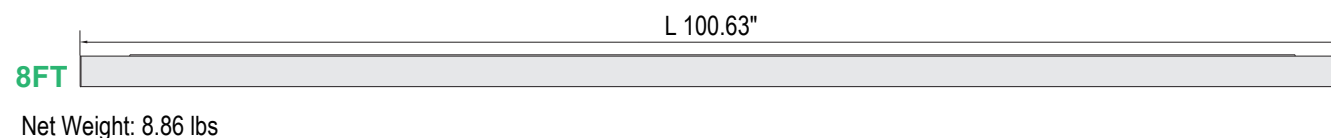
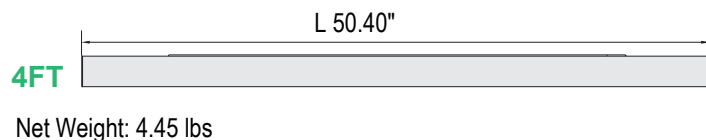
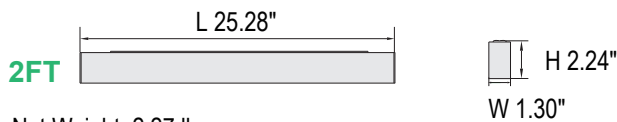
### FEATURES

- Comes in lengths of 2', 4', and 8'
- 2 lighting distributions by DIP switch
- CCT and wattage selectable
- Suspended, surface and wall mount available
- 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

90

CCT

3000K, 3500K, 4000K

Dimming

1-10V Dimming

Compatible Dimmer

LUTRON: DDTV

LEVITON: IP710

Projected Lifetime

L70 - 100,000 Hours

Working Temperature

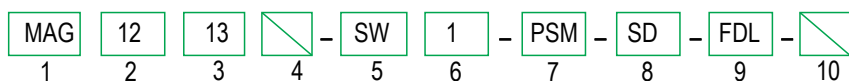
-4-104°F (-20-40°C)

Certifications

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

## Ordering Information

### Example: MAG1213-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

- 13 - 1.3 Inch

#### 4. Driver

- Blank - Integral

#### 5. CCT

##### Selectable CCT

- SW - 3000K/3500K/4000K selectable

\* 4000K is default setting.

##### Single CCT

- 30 - 3000K       35 - 3500K       40 - 4000K

\* Single CCT is only for Micro Reflector.

#### 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       DPL - Drop Lens

- LVL - Louver Lens       MRF - Micro Reflector

\* Flush diffused lens is standard. Other lens require MOQ.

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

\* MRF is only available in single CCT.

#### 10. Finish

- Blank - White       BK - Black

## Accessories (ordered separately and field installed)

### 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

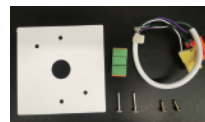


#### MAG-PMK1-5FT

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)



#### MAG-SMK

Surface and Wall Mount kits



#### MAG-LINE

Line Shape Mount Bracket



#### MAG-CROSS

Cross Shape Mount Bracket



#### MAG-T

T Shape Mount Bracket



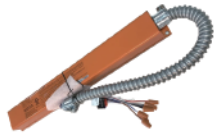
#### MAG-L

L Shape Mount Bracket



#### MAG-Y

Y Shape Mount Bracket



**EBU-H08170<sup>®</sup>**  
 8W Emergency Battery  
 Back-up for MAX.60W  
 fixture



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



**MAG-MSW-PM/SM<sup>2</sup>**  
 Microwave Motion Sensor Kits  
 for pendant and surface mount



**AAL-RC-100**  
 Remote Control for  
 Microwave Motion Sensor

**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

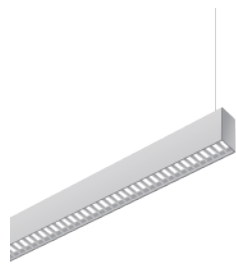
Lumen values are measured by third party certified laboratories performed in accordance with IESNA LM-79-08 as well as Lighting Facts listed.

Lens	Length	Wattage Selectable	25% UP/75%DOWN		100%DOWN		CCT Adjustable
			Efficacy	Lumen Output	Efficacy	Lumen Output	
Diffuser	2'	20W/15W/10W	850lm/ft	900~1700LM	800m/ft	800~1600LM	3000K/3500K/4000K
	4'	40W/30W/20W		1700~3400LM		1600~3200LM	
	8'	80W/60W/40W		3400~6800LM		3200~6400LM	
Louver	2'	20W/15W/10W	750lm/ft	750~1500LM	700lm/ft	700~1400LM	3000K/3500K/4000K
	4'	40W/30W/20W		1500~3000LM		1400~2800LM	
	8'	80W/60W/40W		3000~6000LM		2800~5600LM	
Drop Lens	2'	20W/15W/10W	1000lm/ft	1000~2000LM	950lm/ft	950~1900LM	3000K/3500K/4000K
	4'	40W/30W/20W		2000~4000LM		1900~3800LM	
	8'	80W/60W/40W		4000~8000LM		3800~7600LM	

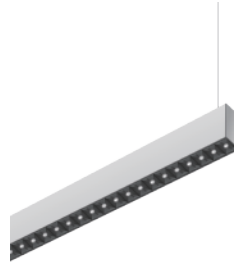
\* Check the IES file to gain the accurate data.



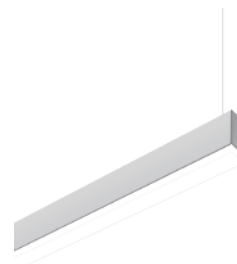
Flush Diffused Lens



Louver Lens



Micro Reflector



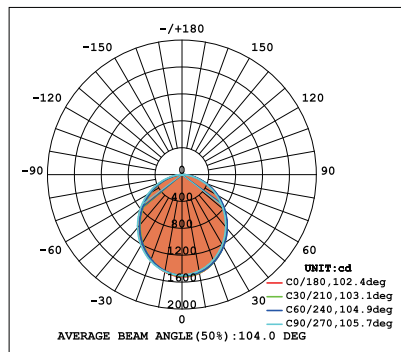
Drop Lens

## 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.

### MAG12351-PM-D-FDL

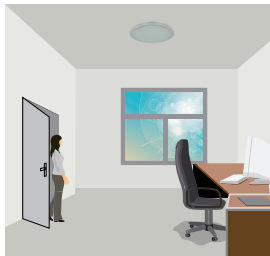
100% Downlight with Flush Diffused Lens



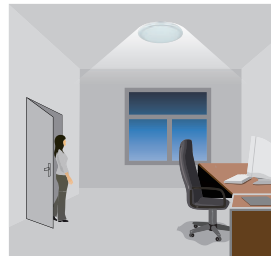
## MICROWAVE DIMMING SENSOR

3-step dimming function

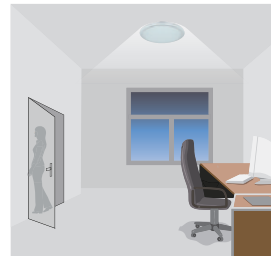
The sensor is an innovative motion sensor, switch on the light on detection of movement, and switch off after a hold time when there is no motion detected.



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.

Specifications subject to change without notice.