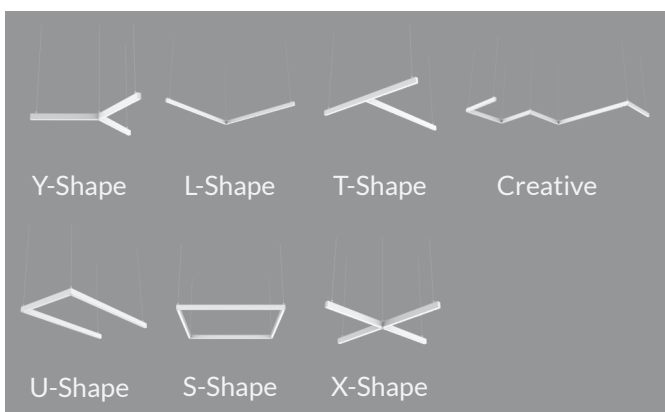
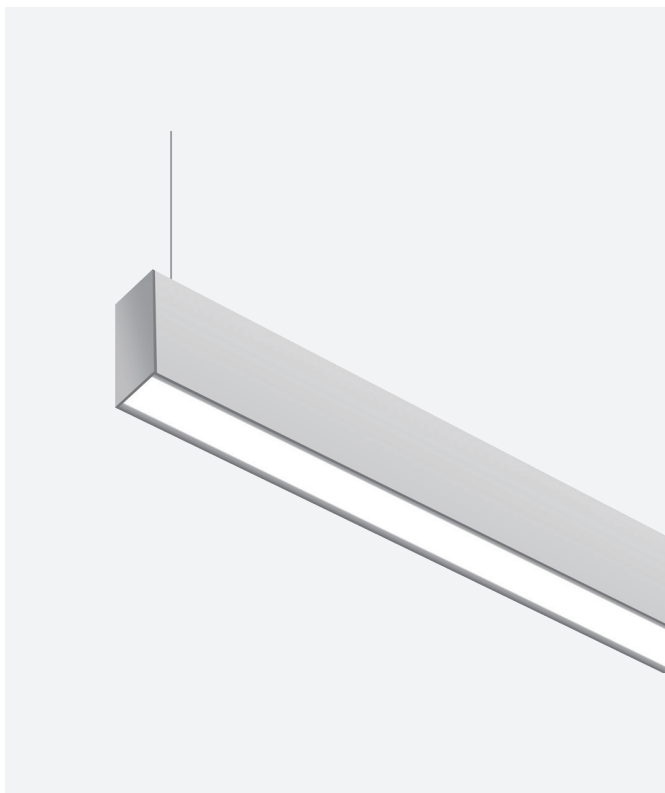
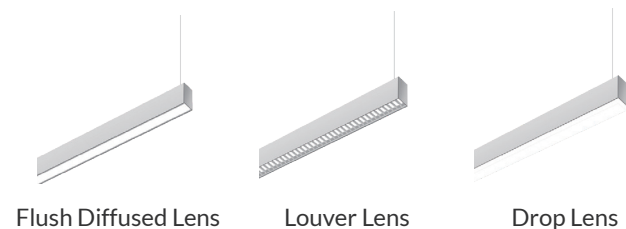




Illuminated joiners unlock customizable lighting configurations.



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 2ft, 4ft, and 8ft 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.

## TECHNICAL DATA

| Length/Wattage      |                                  |
|---------------------|----------------------------------|
| 2ft                 | Selectable 10W/15W/20W           |
| 4ft                 | Selectable 20W/30W/40W           |
| 8ft                 | Selectable 40W/60W/80W           |
| CRI                 | 90Ra                             |
| CCT                 | Selectable 3000K/3500K/4000K     |
| Driver              | 1-10V Dimming                    |
| Compatible Dimmer   | LUTRON: DTV                      |
|                     | LEVITON: IP710                   |
| Input Voltage       | 120-277V, 50/60Hz                |
| Operating Temp.     | -4°F to 104°F (-20°C to 40°C )   |
| Certifications      | cULus conforms to UL Std. 1598   |
|                     | Cert. to CSA Std. C22.2 No.250.0 |
|                     | Suitable for damp locations      |
|                     | RoHS compliant                   |
| Power Factor        | >0.9 at full load                |
| Harmonic Distortion | <20% at full load                |
| Projected Lifetime  | L70 - 100,000 Hours              |

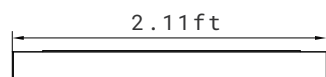
## FEATURES

- Comes in lengths of 2ft, 4ft, and 8ft.
- 2 lighting distributions by DIP switch.
- CCT and wattage selectable.
- Suspended, surface and wall mount available.
- Microwave sensor and EBU are available.

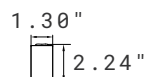
## SPECIFICATION

**2ft**

**Net Weight: 2.27 lbs**

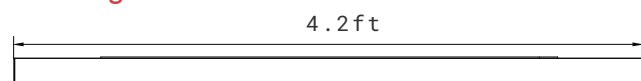


**Side View**



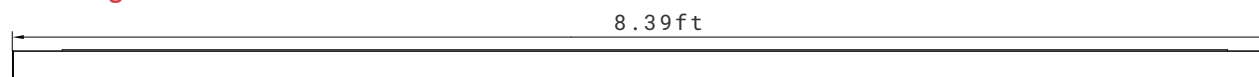
**4ft**

**Net Weight: 4.45 lbs**



**8ft**

**Net Weight: 8.86 lbs**



## 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 | Lumen (25% Up/ 75% Down) |              | Lumen (100% Down) |              | CCT Adjustable    |
|-----------|--------|--------------------|--------------------------|--------------|-------------------|--------------|-------------------|
|           |        |                    | Efficacy                 | Lumen Output | Efficacy          | Lumen Output |                   |
| Diffuser  | 2ft    | 10W/15W/20W        | 850lm/ft                 | 900~1700lm   | 800lm/ft          | 800~1600lm   | 3000K/3500K/4000K |
|           | 4ft    | 20W/30W/40W        | 850lm/ft                 | 1700~3400lm  | 800lm/ft          | 1600~3200lm  |                   |
|           | 8ft    | 40W/60W/80W        | 850lm/ft                 | 3400~6800lm  | 800lm/ft          | 3200~6400lm  |                   |
| Louver    | 2ft    | 10W/15W/20W        | 750lm/ft                 | 750~1500lm   | 700lm/ft          | 700~1400lm   | 3000K/3500K/4000K |
|           | 4ft    | 20W/30W/40W        | 750lm/ft                 | 1500~3000lm  | 700lm/ft          | 1400~2800lm  |                   |
|           | 8ft    | 40W/60W/80W        | 750lm/ft                 | 3000~6000lm  | 700lm/ft          | 2800~5600lm  |                   |
| Drop Lens | 2ft    | 10W/15W/20W        | 1000lm/ft                | 1000~2000lm  | 950lm/ft          | 950~1900lm   | 3000K/3500K/4000K |
|           | 4ft    | 20W/30W/40W        | 1000lm/ft                | 2000~4000lm  | 950lm/ft          | 1900~3800lm  |                   |
|           | 8ft    | 40W/60W/80W        | 1000lm/ft                | 4000~8000lm  | 950lm/ft          | 3800~7600lm  |                   |

### NOTE:

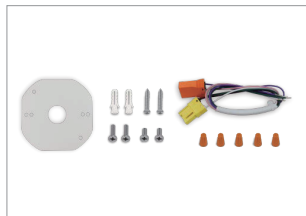
1. Please check the IES file to gain the accurate data.

EXAMPLE: MAG1213-SW1-PSM-SD-FDL

**NOTE:**

1. 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.
2. The default CCT setting is 4000K.
3. Single CCT is only for Micro Reflector.
4. Default setting is 100% downlight.
5. Flush diffused lens is standard. Other lens require MOQ. Please specify the Continuous Roll-Out Lens from the accessory table below for joined lengths exceeding 8ft.

## ACCESSORIES (ORDERED SEPARATELY AND FIELD INSTALLED)



**MAG-SMK**  
Surface and Wall Mount Kits.



**MAG-LINE**  
Line Shape Mount Bracket.



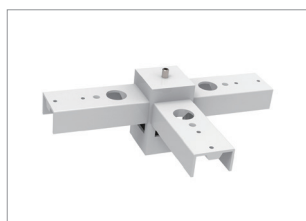
**MAG-ROL<sup>1</sup>**  
Continuous Roll-Out Lens (43ft).<sup>1</sup>



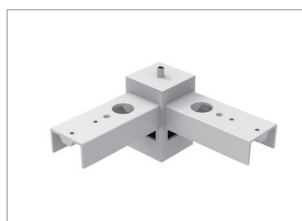
**MAG-MSW-PM/SM<sup>2</sup>**  
Microwave Motion Sensor Kit for Pendant and Surface Mount.



**MAG-CROSS**  
Cross Shape Mount Bracket.



**MAG-T**  
T Shape Mount Bracket.



**MAG-L**  
T Shape Mount Bracket.



**MAG-Y**  
Y Shape Mount Bracket.



**ACGP**  
Aircraft Cable Gripper (a pair)  
Suitable for Ø 0.06"-0.08" (1.5mm-2mm)  
Aircraft Cable including two pieces.



**EBU-H08170<sup>3</sup>**  
8W Emergency Battery Backup for fixtures up to 60W.



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

### NOTE:

1. For joined lengths exceeding 8ft, only the Continuous Roll-Out Lens may 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 backup operates within ambient temperatures of 32°F to 95°F (0°C to 35°C).

## ACCESSORIES (ORDERED SEPARATELY AND FIELD INSTALLED)



### *Drop Ceiling Suspension Mount List<sup>1</sup>*

#### **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).

#### **NOTE:**

1. 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**

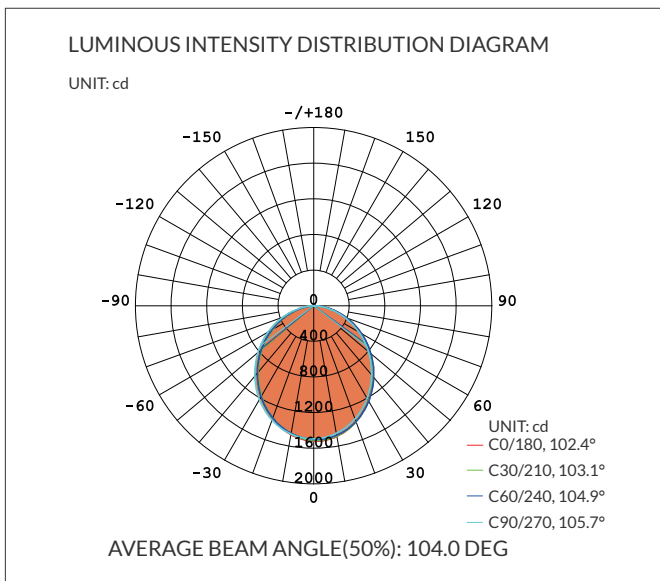
Aircraft Cable Pendant Mount Kits for Dry Ceiling, with 12ft aircraft cable and 12ft power cord (One set per fixture).

## PHOTOMETRY

All published luminaire photometric 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%. Results may vary per actual order.

### MAG12351-PM-D-FDL

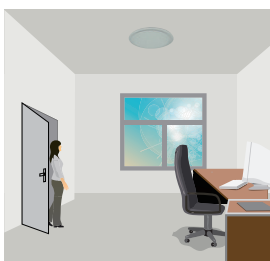
#### 100% Downlight with Flush Diffused Lens



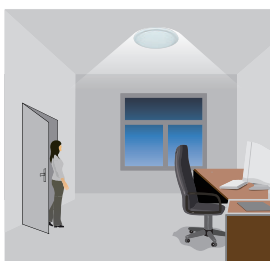
## MICROWAVE DIMMING SENSOR SETTING (120-277V)

### 3-step dimming function

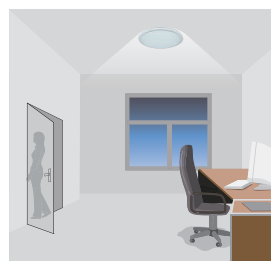
The sensor is an innovative motion sensor, switch on the light on detection of movement, and switch off after a hold time when there is no motion detected.



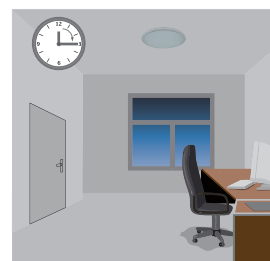
1. No motion detected, all lamps switch off.



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   | ↓ | ↓ | 10s    |
| II  | ↓ | ↑ | 1min   |
| III | ↑ | ↓ | 5mins  |
| IV  | ↑ | ↑ | 15mins |

### Hold time

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

**Default Setting: 15mins**

|     | 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  | ↓ | ↑  | 1min   |
| III | ↑ | ↓  | 30mins |
| IV  | ↑ | ↑  | 60mins |

### 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: 30mins**

## WARRANTY

5 years limited warranty.

Specifications subject to change without notice.