



## 3.8" WIDE MAGIC LED LINEAR LIGHT

### Surface Mount



## PRODUCT DESCRIPTION

This MAGIC led linear fixture is a 3.8" wide linear architectural luminaire with a slim and discreet profile. The MAGIC is available in standard lengths of 2', 3', 4', and 8', and can be joined together in seamless runs of desired length. Various optical design delivers uniform, continuous lines of light. Different pattern joiners available for unlimited lighting pattern design.

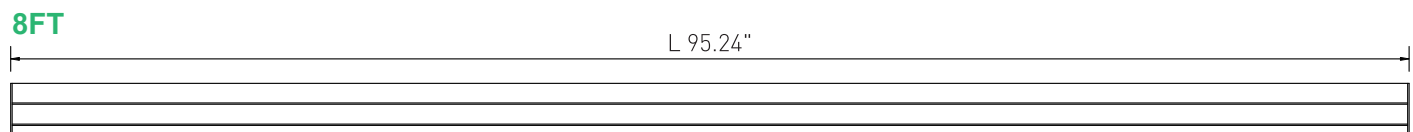
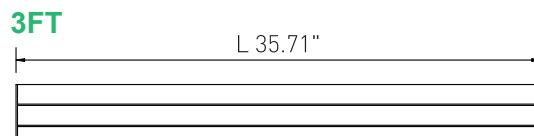
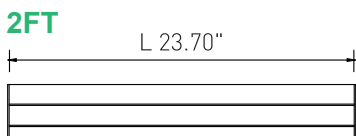
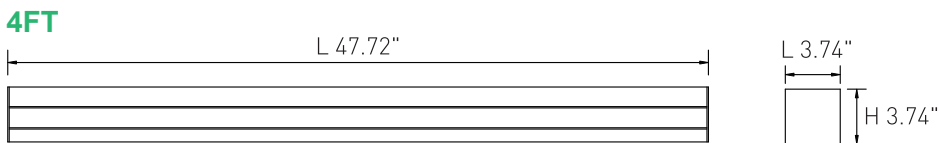
## FEATURES

- Comes in lengths of 2', 3', 4' and 8'
- Available with several lit joiner accessories for unlimited lighting pattern design
- Flat lens and deep regressed lens options
- CCT & wattage adjustable, up to 1200lm/ft
- 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

- Dim to 10% (standard)
- Dim to 1% (optional)

Compatible Dimmer

LUTRON: DVSTV  
LEVITON: IP710

Projected Lifetime

L70 - 100,000 Hours

Working Temperature

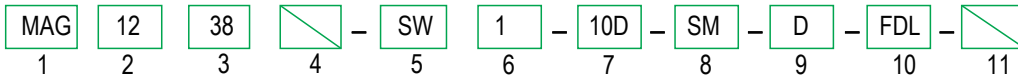
-4-104°F (-20-40°C)

Certifications

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

## Ordering Information

### Example: MAG1238-SW1-10D-SM-D-FDL



#### 1. Series

MAG

#### 2. Length

06 - 2FT     09 - 3FT     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

38- 3.8 Inch

#### 4. Driver

Blank - Integral

#### 5. CCT

SW- 3000K/3500K/4000K Selectable

1. Default setting is 3500K.

#### 6. Voltage

1 - 120-277V

#### 7. Dimming

10D - 0-10V, dim to 10%  
(Standard)

01D - 0-10V, dim to 1%  
(Optional)

#### 8. Mounting Options

SM - Surface Mount

#### 9. Light Distribution

D - 100% Downlight

#### 10. Lens Options

FDL - Flush Diffused Lens     RGL - Regressed

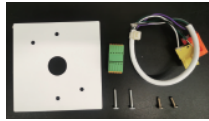
\* If the joined length exceeds 8ft, only continuous Roll-Out Lens can be used.

#### 11. Finish

Blank - White

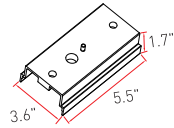
BK - Black

## Accessories (ordered separately and field installed)



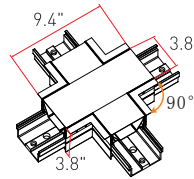
### MAG-SMK

Surface Mount Kits



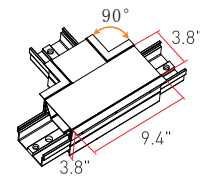
### MAG38-LINE

Illuminated Line  
Shape Joiner



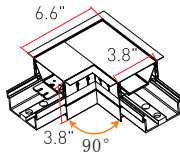
### MAG38-CROSS

Illuminated Cross  
Shape Joiner



### MAG38-T

Illuminated T  
Shape Joiner



### MAG38-L

Illuminated 90°  
L Shape Joiner



### MAG38-ROL<sup>1</sup>

Continuous Roll-Out  
Lens (42')



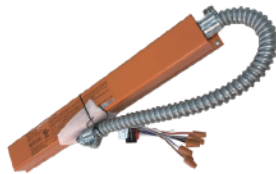
### AAL-RC-100

Remote Control for  
Microwave Motion Sensor



### MAG-MSW-PM/SM

Microwave Motion  
Sensor Kits for  
pendant mount



### EBU-H08170<sup>2</sup>

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

### EBU-H25170<sup>2</sup>

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

#### Notes:

1. If the joined length exceeds 8ft, only continous Roll-Out Lens can be used.
2. 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.

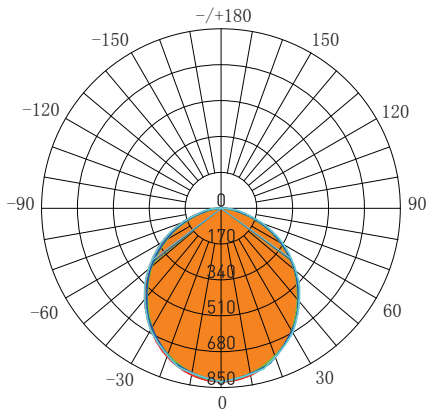
Optics	Length	100%DOWN@3500K		
		High	Medium	Low
Flat Lens	2',3',4',8'	1100lm/ft, 10w/ft	800lm/ft, 7.5w/ft	550lm/ft, 5w/ft
Regressed Lens	2',3',4',8'	900lm/ft, 10w/ft	670lm/ft, 7.5w/ft	450lm/ft, 5w/ft

Notes: Above are subject to 3500K. All efficacy is  $\pm 5\%$  base on different CCT and lighting distributions. Check the IES file to gain the accurate data .For 3000K fixtures, use 0.96 multiplier; For 4000K fixtures, use 1.04 multiplier.

## 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.

2' / Flat Lens / 4000K/Down 100%

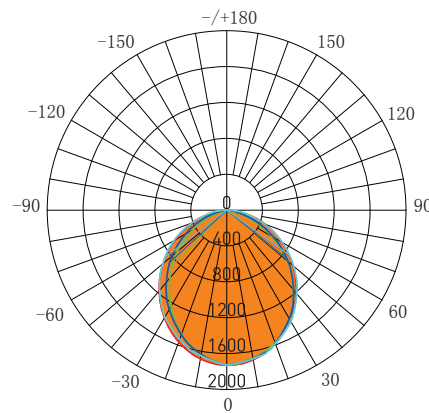


AVERAGE BEAM ANGLE[50%]: 105.9°

Lumens: 2193.4 Lms  
 Watts: 21.11 W  
 LPW: 103.91 Lm/W  
 CCT: 4000K

UNIT: cd  
 — C0/180, 106.4°  
 — C30/210, 104.4°  
 — C60/240, 105.3°  
 — C90/270, 107.4°

4' / Flat Lens / 4000K/Down 100%



AVERAGE BEAM ANGLE[50%]: 101.8°

Lumens: 4601.1 Lms  
 Watts: 40.70 W  
 LPW: 113.05 Lm/W  
 CCT: 4000K

UNIT: cd  
 — C0/180, 106.4°  
 — C30/210, 95.4°  
 — C60/240, 98.6°  
 — C90/270, 107.0°

## 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.

## Note:

Specifications subject to change without notice.