



## 3.8" WIDE MAGIC LED LINEAR LIGHT

### Recessed 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

## 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

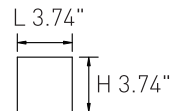
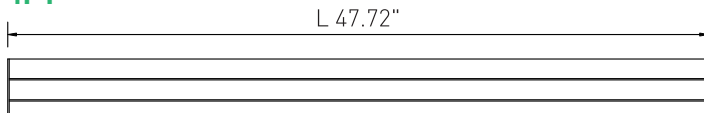
-4-104°F (-20-40°C)

Certifications

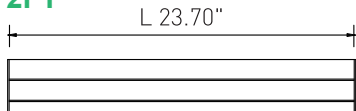
- cULus conforms to UL Std. 1598Cert. to CSA Std. C22.2 No.250.0
- Suitable for damp locations
- RoHS compliant

## SPECIFICATION

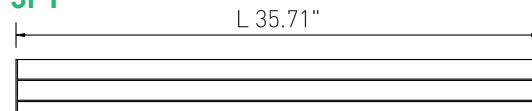
4FT



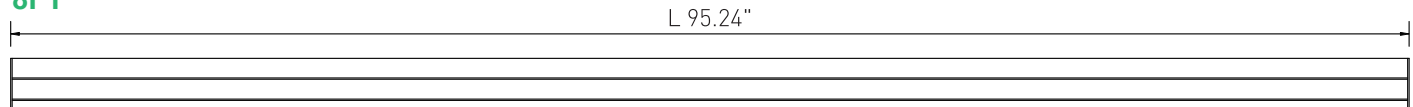
2FT



3FT



8FT



## Ordering Information

### Example: MAG1238-SW1-10D-RM-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

☐ RM - Recessed Mount

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

#### 9. Light Distribution

☒ D - 100% Downlight

#### 10. Lens Options

☐ FDL - Flush Diffused Lens ☐ RGL - Regressed

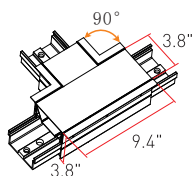
\* If the joined length exceeds 8ft, only continuous Roll-Out Lens can be used.

#### 11. Finish

☐ Blank - White ☐ BK - Black

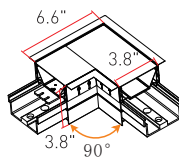
## Accessories (ordered separately and field installed)

#### ILLUMINATED JOINERS



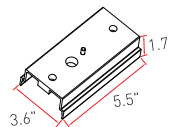
**MAG38-T**

Illuminated T  
Shape Joiner



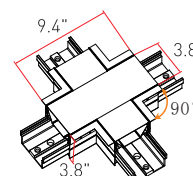
**MAG38-L**

Illuminated 90°  
L Shape Joiner



**MAG38-LINE**

Illuminated Line  
Shape Joiner



**MAG38-CROSS**

Illuminated Cross  
Shape Joiner

\* Joiners are only for dry ceiling

## Recessed in Dry Ceiling

### Trim (recessed with bracket)



**MAG0638-RMK-DY-TM-BKT**

Trim Recessed with bracket  
2ft, 3.8" Linear

**MAG0938-RMK-DY-TM-BKT**

Trim Recessed with bracket  
3ft, 3.8" Linear

**MAG1238-RMK-DY-TM-BKT**

Trim Recessed with bracket  
4ft, 3.8" Linear

\* If for 8ft, two sets of  
**MAG1238-RMK-DY-TM-BKT**  
will be needed.

## Recessed in Dry Ceiling

### Trimless



**MAG0623/38-RMK-DY-TMS**

Trimless Recessed  
2ft, 2.3"/3.8" Linear

**MAG0923/38-RMK-DY-TMS**

Trimless Recessed  
3ft, 2.3"/3.8" Linear

**MAG1223/38-RMK-DY-TMS**

Trimless Recessed with bracket  
4ft, 2.3"/3.8" Linear

\* If for 8ft, two sets of  
**MAG1223/38-RMK-DY-TMS**  
will be needed.

## Recessed in Dry or Drop Ceiling

### Trim (recessed with Pendant Stem)



**MAG0638-RMK-DY/DP-TM-STEM**

Trim Recessed  
with pendant stem  
2ft, 3.8" Linear

**MAG0938-RMK-DY/DP-TM-STEM**

Trim Recessed  
with pendant stem  
3ft, 3.8" Linear

**MAG1238-RMK-DY/DP-TM-STEM**

Trim Recessed  
with pendant stem  
4ft, 3.8" Linear

\* If for 8ft, two sets of  
**MAG1238-RMK-DY/DP-TM-STEM**  
will be needed.

## Recessed in Drop Ceiling

### Trimless (T-grid Hooks)



**MAG23/38-RMK-DP-TMS**

T-grid Recessed Kits  
for 2.3"/3.8" Magic Linear



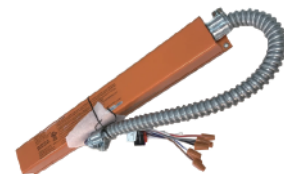
**MAG-MSW-PM/SM**  
Microwave Motion  
Sensor Kits for  
pendant mount



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



**MAG38-ROL<sup>1</sup>**  
Continuous Roll-Out  
Lens (42')



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

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

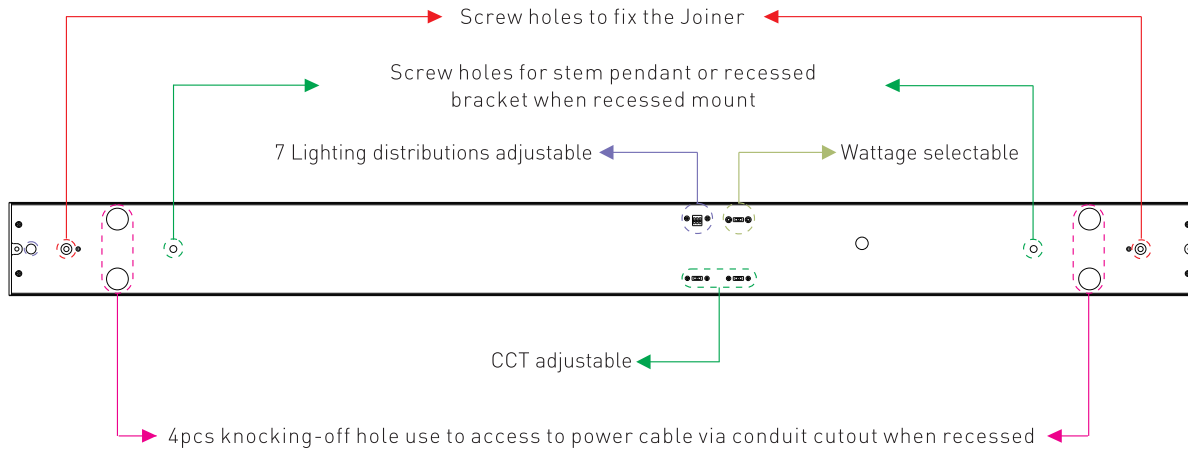
**EBU-H25170<sup>2</sup>**

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 ).

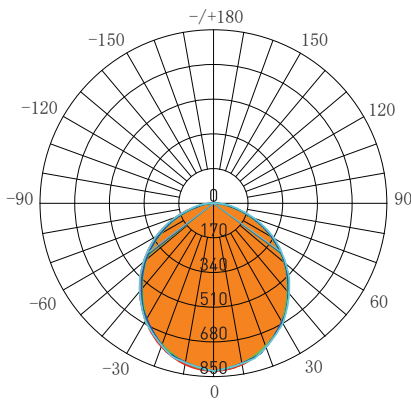
## Mounting Location



## 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%

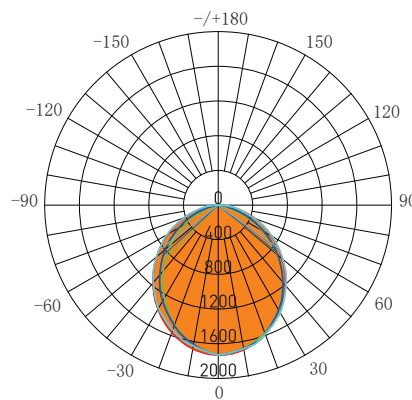


AVERAGE BEAM ANGLE(50%): 105.9°

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°

## 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.

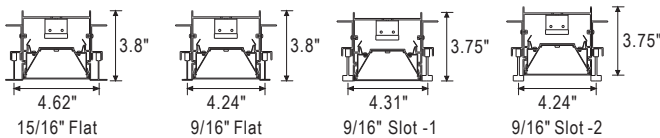
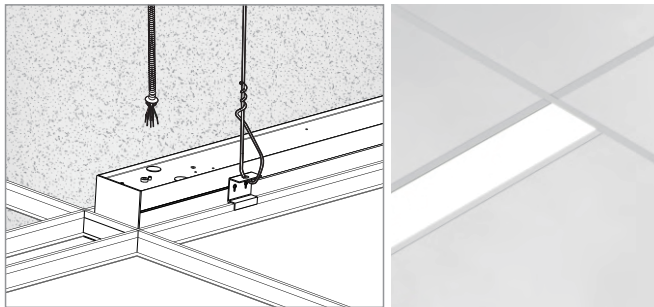
Optics	Length	100%DOWN@3500K		
		High	Medium	Low
Flat Lens	2',3',4',8'	1100lm/ft, 10w/ft	800lm/ft, 7.5w/ft	550lm/ft, 5w/ft
Regressed Lens	2',3',4',8'	900lm/ft, 10w/ft	670lm/ft, 7.5w/ft	450lm/ft, 5w/ft

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.

## RECESSED MOUNTING

### Recessed In Grid Ceiling

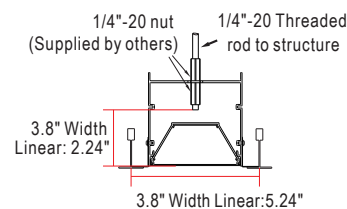
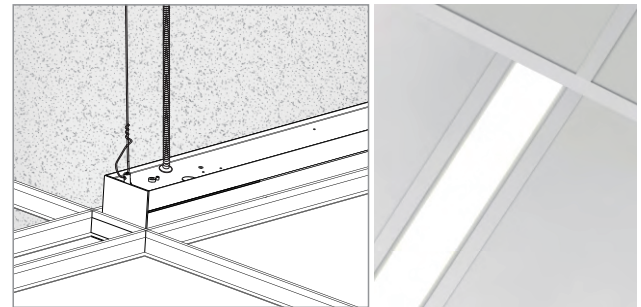
#### T-Grid Hooks



#### Mounting Kits



#### Flanged Trim

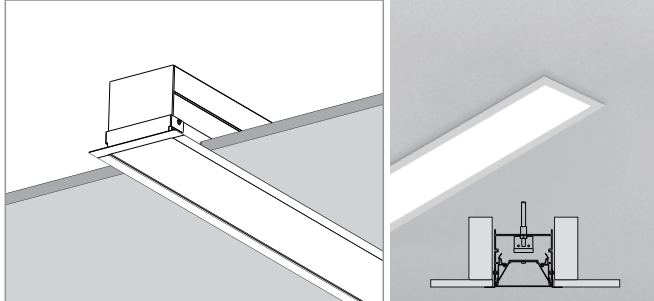


#### Mounting Kits



## Recessed In Dry Ceiling

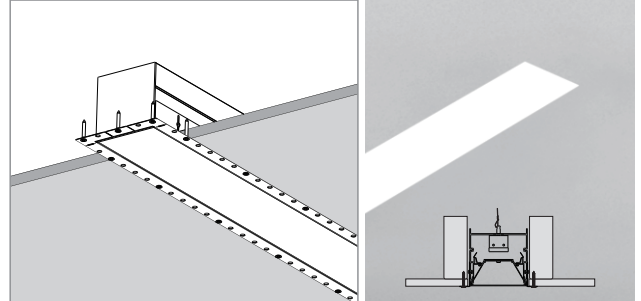
### TRIM (Recessed with pendant stem)



#### Mounting Kits



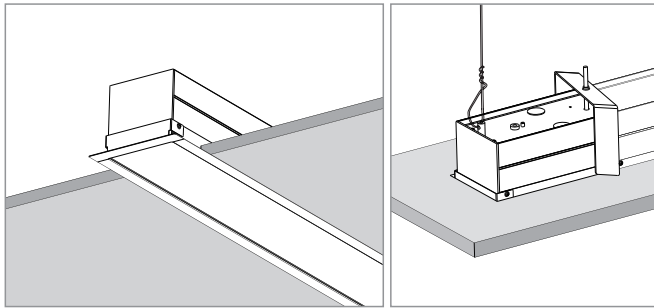
### TRIMLESS



#### Mounting Kits



### TRIM (Recessed with brackets)



#### Mounting Kits



## 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.