

# 2.3" MAGIC DIRECT LED LINEAR LIGHT

## Recessed / Suspended / Surface Mounted



### PRODUCT DESCRIPTION

The 2.3" Magic Linear Light is available in recessed mount. It is available in 2.3" width with 2ft, 3ft, 4ft and 8ft lengths options, simply provide linear, powerful lighting to any atmosphere. This linear lighting features a streamlined linear form factor designed for maximum versatility. With their superior flexibility by wattage selectable and CCT adjustable, Magic Linear creates a balance between esthetics, visual comfort and lighting performance, designed to meet the most demanding lighting challenges.

### FEATURES

- Trimless recessed, suspended and surface mounted
- T-grid or dry ceiling compatible
- Continuous runs or custom pattern
- Available in 2ft, 3ft, 4ft and 8ft
- Wattage selectable (50%/75%/100%)
- 3000K, 3500K, 4000K selectable

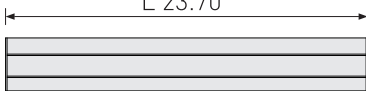
### ELECTRICAL SYSTEM

- 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

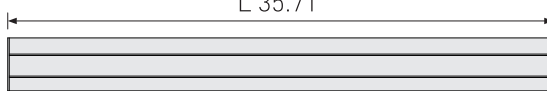
**2FT**

L 23.70"



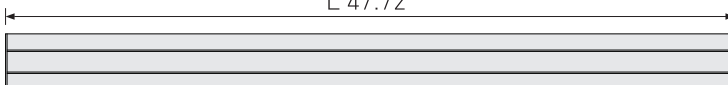
**3FT**

L 35.71"



**4FT**

L 47.72"

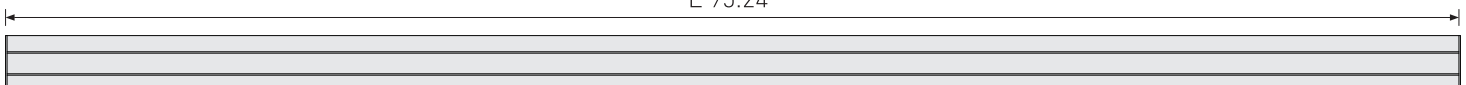


W 2.34"



**8FT**

L 95.24"



### PERFORMANCE

CRI

80

CCT

3000K, 3500K, 4000K

Dimming

1-10V Dimming

Compatible Dimmer

LUTRON: DVSTV

LEVITON: IP710

Projected Lifetime

L70 - 100,000 Hours

Working Temperature

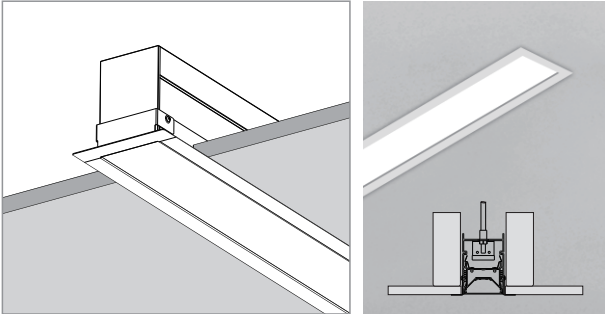
-4-104°F (-20-40°C)

Certifications

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

## RECESSED IN DRY CEILING

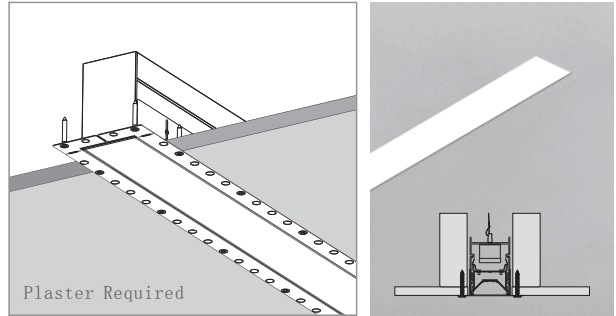
### TRIM (Recessed with pendant stem)



Mounting Kits



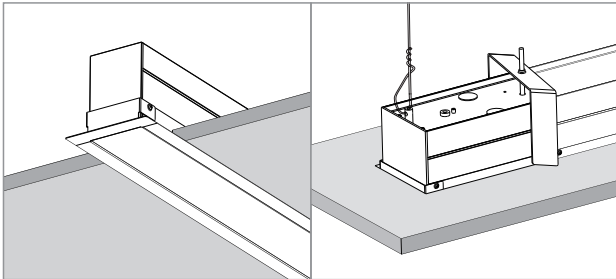
### TRIMLESS



Mounting Kits



### TRIM (Recessed with brackets)

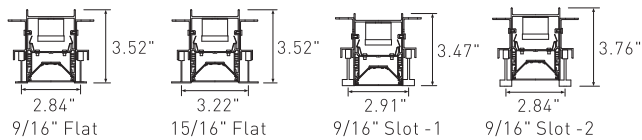
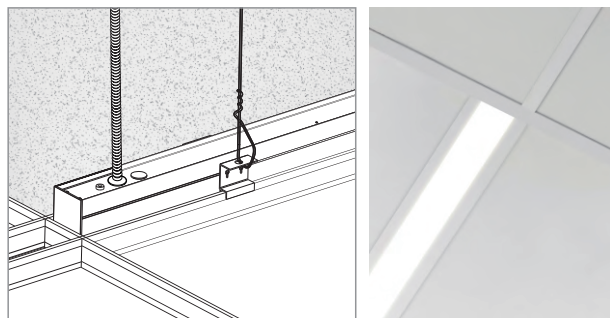


Mounting Kits



## RECESSED IN GRID CEILING

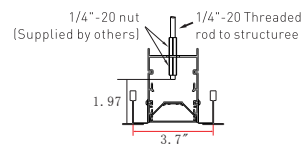
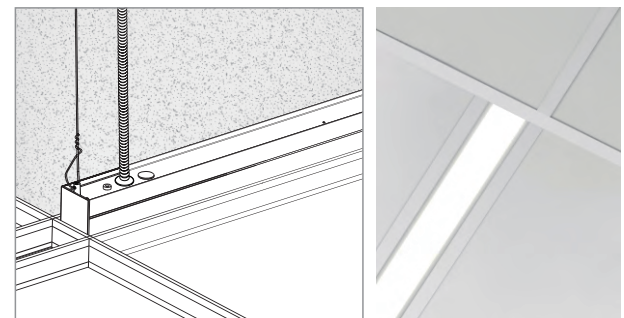
### T-GRID HOOKS



Mounting Kits



### FLANGED TRIM

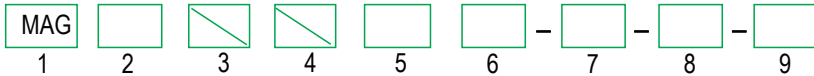


Mounting Kits



## Ordering Information

### Example: MAG1223-SW1-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

23- 2.3 Inch

#### 4. Driver

Blank - Integral

#### 5. CCT

SW- 3000K/3500K/4000K Selectable

1. Default setting is 3500K.

#### 6. Voltage

1 - 120-277V

#### 7. Mounting Options

RSM - Recessed / Suspended / Surface Mounted

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

#### 8. Light Distribution

D - 100% Downlight

#### 9. Lens Options

FDL - Flush Diffused Lens     RGL - Regressed Lens

\* FDL is standard. RGL will ask MOQ and long lead time.

\* Continuous run mount is not available for regressed lens.

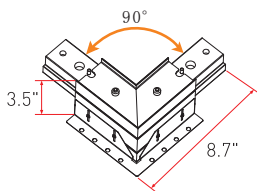
\* If the joined length exceeds 8ft, only continuous Roll-Out Lens can be used.

#### 10. Finish

Blank - White

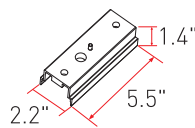
BK - Black

## Accessories (ordered separately and field installed)



#### MAG23-RSM-L

L Shape Mount Bracket for Recessed, Suspended and Surface Mount



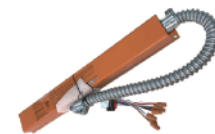
#### MAG23-RSM-LINE

Line Shape Mount Bracket for Recessed, Suspended and Surface Mount



#### MAG23-ROL<sup>1</sup>

Continuous Roll-Out Lens (42')



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

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

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

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

## For Suspended Mount

### 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.

## For Suspended Mount

### 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)



#### AAL-RC-100

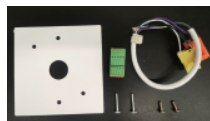
Remote Control for Microwave Motion Sensor



#### MAG-MSW-PM/SM

Microwave Motion Sensor Kits for pendant mount

## For Surface Mount



#### MAG-SMK

Surface and Wall Mount Kits

#### Notes:

1. If the joined length exceeds 8ft, only continuous Roll-Out Lens can be used.
2. Emergency battery back-up is for ambient temperatures of 32°F -95°F (0 °C -35°C ).

### Recessed in Dry Ceiling

#### Trim (recessed with bracket)



MAG0623-RMK-DY-TM-BKT

Trim Recessed with bracket  
2ft, 2.3" Linear

MAG0923-RMK-DY-TM-BKT

Trim Recessed with bracket  
3ft, 2.3" Linear

MAG1223-RMK-DY-TM-BKT

Trim Recessed with bracket  
4ft, 2.3" Linear

\* If for 8ft, two sets of  
MAG1223-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)



MAG0623/38-RMK-DY/DP-TM-STEM

Trim Recessed  
with pendant stem  
2ft, 2.3"/3.8" Linear

MAG0923/38-RMK-DY/DP-TM-STEM

Trim Recessed  
with pendant stem  
3ft, 2.3"/3.8" Linear

MAG1223/38-RMK-DY/DP-TM-STEM

Trim Recessed  
with pendant stem  
4ft, 2.3"/3.8" Linear

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

### Recessed in Drop Ceiling

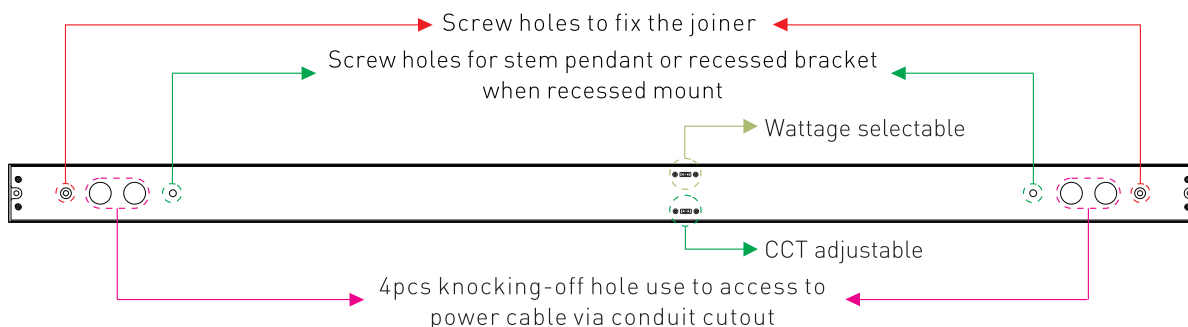
#### Trimless (T-grid Hooks)



MAG23/38-RMK-DP-TMS

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

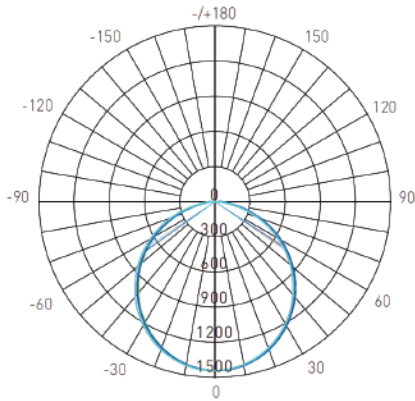
## Mounting Location



## PHOTOMETRY

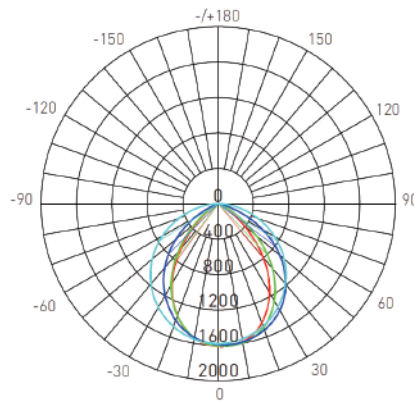
All published luminaire photo metric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%. Result may vary per actual order.

### With Flush Diffused Lens



AVERAGE BEAM ANGLE(50%): 111.3°

### With Regressed Lens

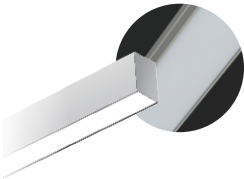


AVERAGE BEAM ANGLE(50%): 92.7°

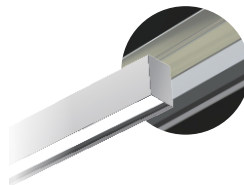
## PERFORMANCE DATA

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

Flush Diffused Lens



Regressed lens



Lens	Lumen Package		
	High	Medium	Low
Flat lens	1000lm/ft, 10W/ft	750lm/ft, 7.5W/ft	500lm/ft, 5W/ft
Regressed	800lm/ft, 10W/ft	600lm/ft, 7.5W/ft	400lm/ft, 5W/ft
Width	2.3"	2.3"	2.3"
Wattage	10W/15W/20W@2FT 15W/20W/30W@3FT 20W/30W/40W@4FT 40W/60W/80W@8FT		

**Notes:**

Above are subject to 3500K.

All efficacy is ±5% base on different CCT and wattage. Check the IES file to gain the accurate data .

## Warranty

Five year limited warranty.