Y-Shape   L-Shape   T-Shape   Creative

U-Shape   S-Shape   X-Shape

Illuminated joiners unlock customizable lighting configurations.

Flush Diffused Lens   Louver Lens   Drop Lens
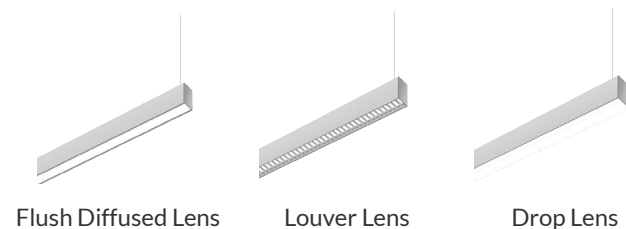
This Magic LED Linear Fixture is a 1.3" wide, linear architectural luminaire with a slim and a discrete profile. Available in standard lengths of 2ft, 4ft, and 8ft that can be joined together in seamless runs of desired length. The Magic Linear is an affordable indirect/direct linear LED luminaire. A 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

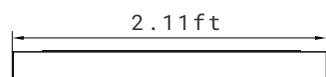| Length/Wattage	
2ft	Selectable 10W/15W/20W
4ft	Selectable 20W/30W/40W
8ft	Selectable 40W/60W/80W
CRI	90Ra
CCT	Selectable 3000K/3500K/4000K
Driver	1-10V Dimming
Compatible Dimmer	LUTRON: DVTV
	LEVITON: IP710
Input Voltage	120-277V, 50/60Hz
Operating Temp.	-4°F to 104°F (-20°C to 40°C)
Certifications	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.
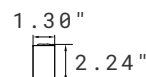- Microwave sensor and EBU are available.
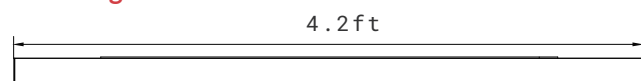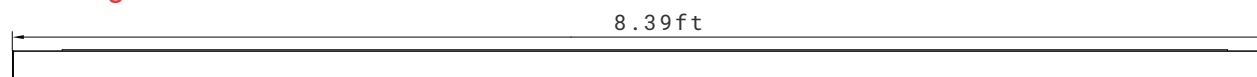
SPECIFICATION

2ft

Net Weight: 2.27 lbs

2.11ft

Side View

1.30"

2.24"

4ft

Net Weight: 4.45 lbs

4.2ft

8ft

Net Weight: 8.86 lbs

8.39ft

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.

ORDERING INFORMATION

EXAMPLE: MAG1213-SW1-PSM-SD-FDL

MAG					
1. Series	**2. Length**	**3. Width**	**4. Driver**	**5. CCT**	**6. Voltage**
MAG	**06** 2ft **12** 4ft **24** 8ft **Option[1]** Desired System Length[1]	**13** 1.3 Inch	**BLANK** Integral 1-10V Dimming	**SW[2]** Selectable 3000K 3500K 4000K[2]	**1** 120-277V

7. Mounting Options	**8. Light Distribution**	**9. Lens Options**	**10. Finish**	
PSM Suspended and Surface Mounted **WM** Wall Mounted *Please refer to the following accessory table to choose the right mounting kits.*	**SD[3]** 2 Lighting Distributions Dip Switch 75% Down, 25% Up 100% Downlight[3]	**FDL[4]** Flush Diffused Lens[4] **DPL[4]** Drop Lens[4] **LVL[4]** Louver Lens[4]	**BLANK** White **BK** Black	

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. Default setting is 100% downlight.
4. 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)
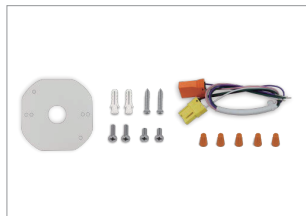
MAG-SMK
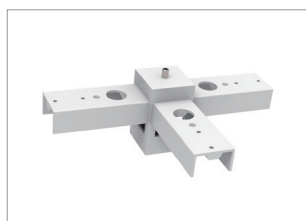Surface and Wall Mount Kits.

MAG-LINE
Line Shape Mount Bracket.

MAG-ROL[1]
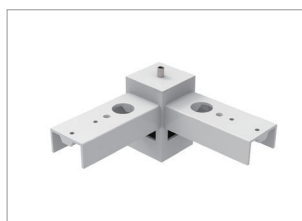Continuous Roll-Out Lens (43ft).[1]

MAG-MSW-PM/SM[2]
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[3]
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[1]

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).

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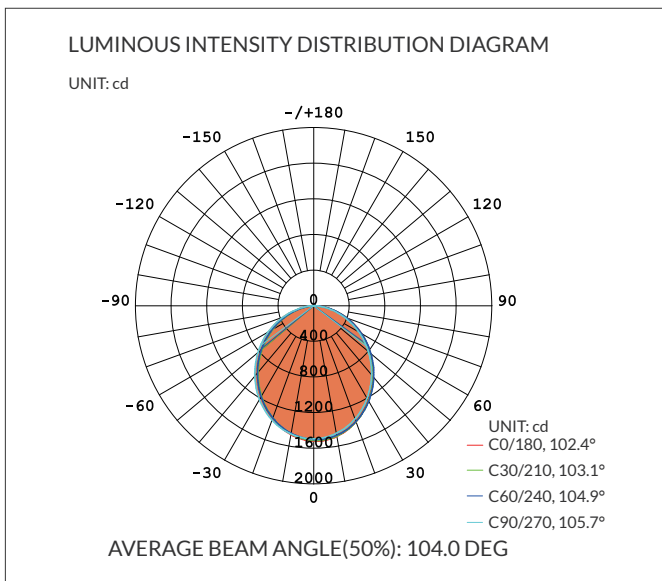Aircraft Cable Pendant Mount Kits for Dry Ceiling, with 12ft aircraft cable and 12ft power cord (One set per fixture).

NOTE:
1. Suitable for 9/16" and 15/16" Flat Ceiling. If for 9/16" Slot Ceiling please contact Customer Service.

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

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

UNIT: cd

UNIT: cd
— C0/180, 102.4°
— C30/210, 103.1°
— C60/240, 104.9°
— C90/270, 105.7°

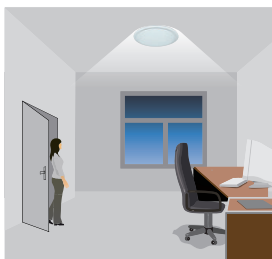AVERAGE BEAM ANGLE(50%): 104.0 DEG

MICROWAVE DIMMING SENSOR SETTING (120-277V)
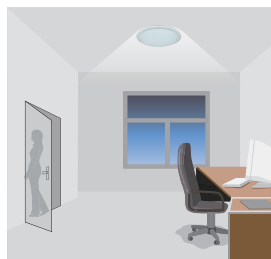
3-step dimming function
The sensor is an innovative motion sensor, switch on the light on detection of movement, and switch off after a hold time when there is no motion detected.
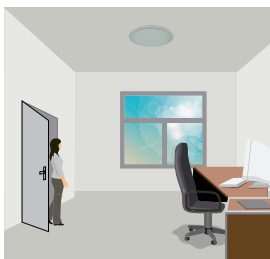
1. No motion detected, all lamps switch off.

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.

ABOVE ALL
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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.