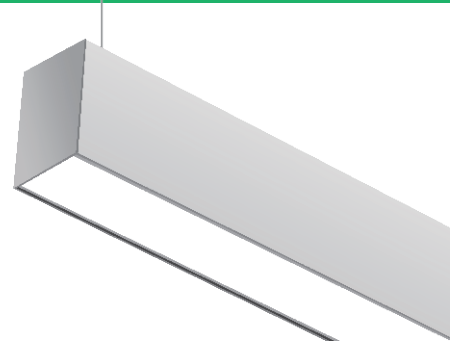


2.3" MAGIC SUSPENDED LED LINEAR LIGHT

Direct and Indirect Light



PRODUCT DESCRIPTION

This MAGIC led linear fixture is a 2.3" 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. The MAGIC is an affordable indirect/direct linear LED luminaire. Various optical design delivers uniform, continuous lines of light. Different pattern joiners available for unlimited lighting pattern design.

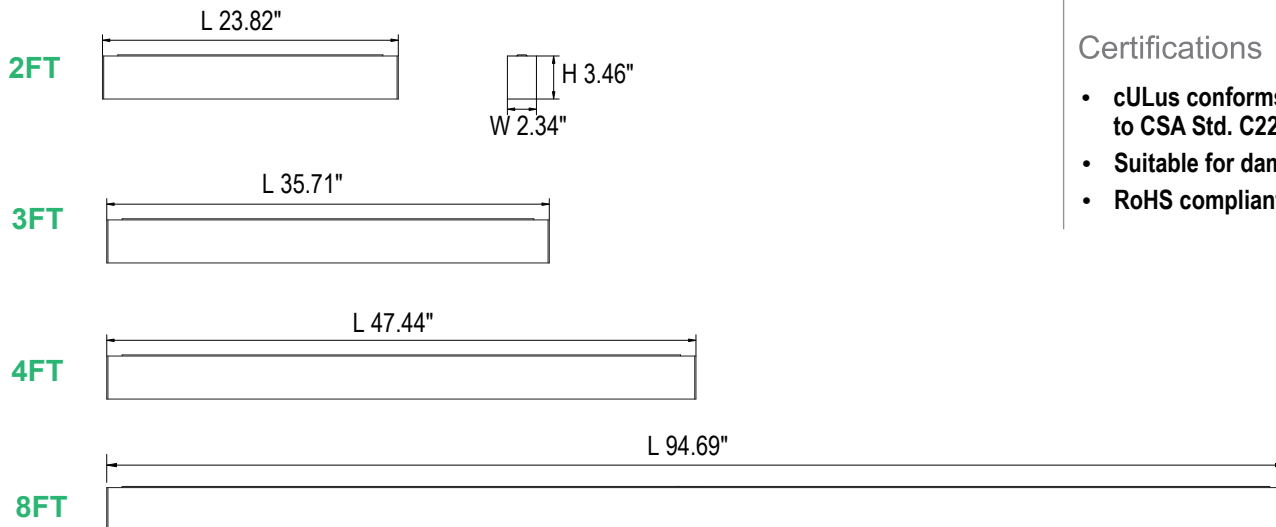
FEATURES

- Comes in lengths of 2', 3', 4', and 8'
- Direct and indirect
- Available with several lit joiner accessories for unlimited lighting pattern design
- Professional lenses available in flush diffused, louver, micro reflector and regress lens
- 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

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

Ordering Information

Example: MAG1223-SW1-PSM-SD-FDL

MAG						-		-		-	
1	2	3	4	5	6		7		8		9

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

Selectable CCT

☐ SW - 3000K/3500K/4000K selectable

* 4000K is default setting.

Single CCT

☐ 30 - 3000K ☐ 35 - 3500K ☐ 40 - 4000K

* Single CCT is only for Micro Reflector.

6. Voltage

☐ 1 - 120-277V

7. Mounting Options

☐ PSM - Suspended and surface mounted¹

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

8. Light Distribution

☒ SD -Following options available by dip switch

100% Uplight
 10% down, 90% up
 30% down, 70% up
 50% down, 50% up
 70% down, 30% up
 90% down, 10% up
 100% Downlight

1. Default setting is 100% downlight.

9. Lens Options

☐ FDL - Flush Diffused Lens ☐ RGL - Regressed
☐ LVL - Louver Lens ☐ **MRF - Micro Reflector**

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

* **MRF is only available in 4ft and single CCT.**

* RGL, LVL and MRF lens will ask long lead time for 2ft, 3ft and 8ft. Please check with Customer Service in advance.

10. Finish

☐ Blank - White ☐ BK - Black

Accessories (ordered separately and field installed)

Drop Ceiling Suspension Mount List



MAG-PMK3-5FT¹

Aircraft Cable Pendant Mount Kits for Drop Ceiling, with 5ft aircraft cable and 5ft power cord (One set per fixture)

MAG-PMK3-12FT¹

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)

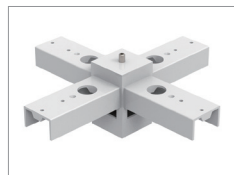
MAG-PMK1-12FT

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



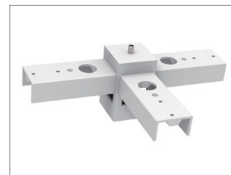
MAG23-LINE

Line Shape Joiner



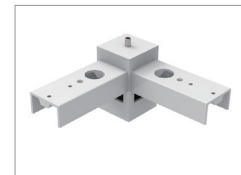
MAG23-CROSS

Cross Shape Joiner, white



MAG23-T

T Shape Joiner, white



MAG23-L

90° L Shape Joiner, white



MAG23-Y

Y Shape Joiner, white



MAG23-Z

Z Shape Joiner, white



MAG23-Hex Hub

120° Hex-hub Joiner, white



MAG23-CURVE-LIT

90° Curve Joiner with light, white

MAG23-CURVE

90° Curve Joiner without light, white

Accessories (ordered separately and field installed)



MAG-SMK

Surface Mount Kits



MAG-MSW-PM/SM²

Microwave Motion Sensor Kits
for pendant mount



RC-100

Remote Control for
Microwave Motion Sensor



ACGP

Aircraft Cable Gripper (a pair)
Suitable for $\Phi 0.06''-0.08''$
(1.5mm-2mm) aircraft cable
including two pieces



EBU-H08170³

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



MAG23-ROL⁴

Continuous Roll-Out
Lens (42')

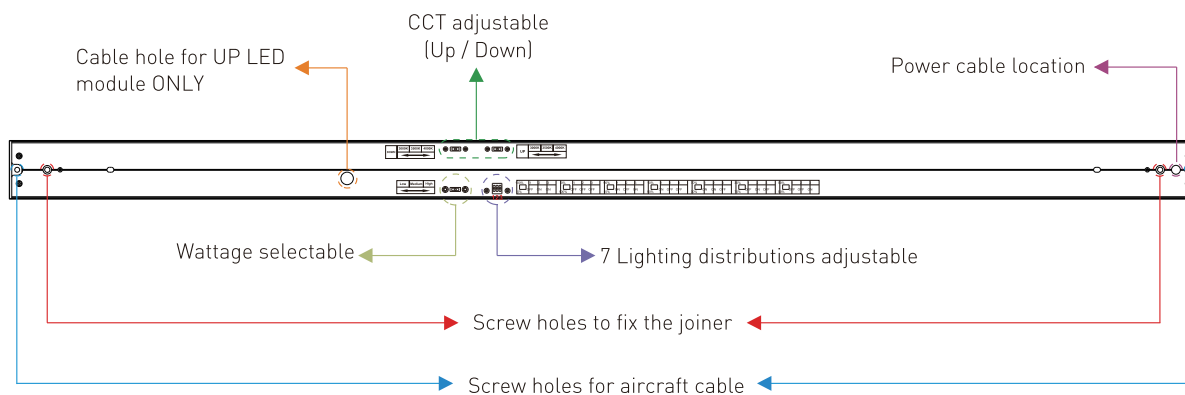
EBU-H25170³
25W Emergency Battery
Back-up for MAX.
200W fixture

MAG23-SCL⁴
40' silicon lens

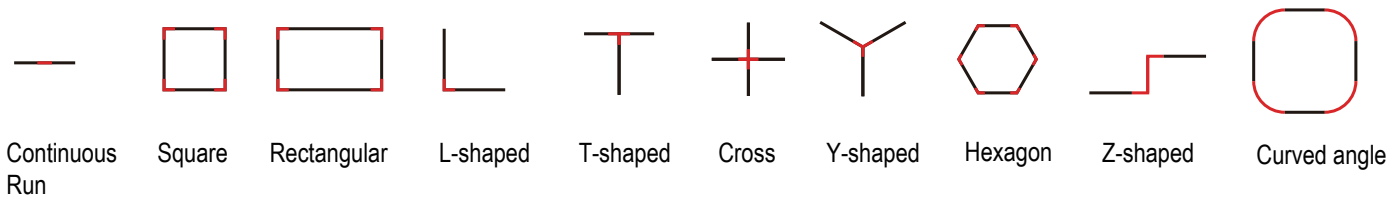
Notes:

1. Suitable for 9/16" and 15/16" Flat Ceiling. If for 9/16" slot ceiling please contact Customer Service.
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 back-up is for ambient temperatures of 32°F -95°F (0 °C -35°C).
4. If the straight joined length exceeds 8ft, please choose continous Roll-Out Lens. If curve joiner is used, silicon lens must be used too.

MOUNTING LOCATION



CONFIGURED SHAPES



PERFORMANCE DATA

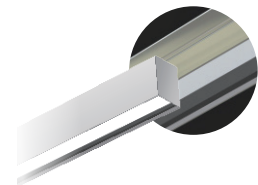
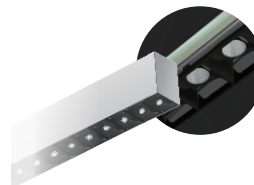
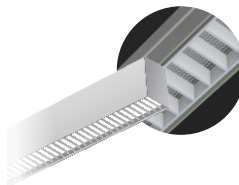
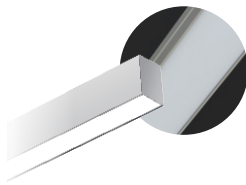
Lumen values are measured by third party certified laboratories performed in accordance with IESNA LM-79-08 as well as Lighting Facts listed.

Flush Diffused Lens

Louver Lens

Micro Reflector

Regressed lens



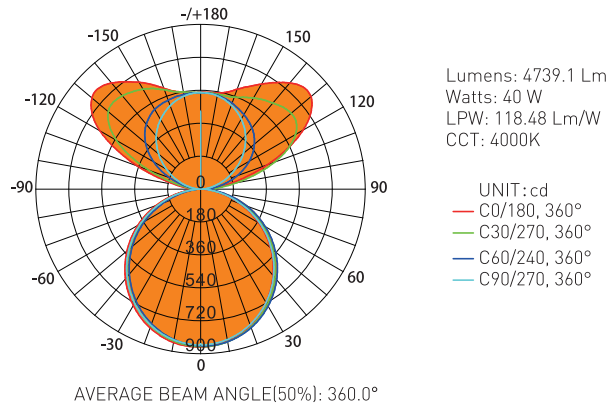
Lengths	2FT/3FT/4FT/8FT	2FT/3FT/4FT/8FT	4FT	2FT/3FT/4FT/8FT
Width	2.3"	2.3"	2.3"	2.3"
Wattage	10W/15W/20W selectable 15W/20W/30W selectable 20W/30W/40W selectable 40W/60W/80W selectable	10W/15W/20W selectable 15W/20W/30W selectable 20W/30W/40W selectable 40W/60W/80W selectable	10W/15W/20W selectable 15W/20W/30W selectable 20W/30W/40W selectable 40W/60W/80W selectable	10W/15W/20W selectable 15W/20W/30W selectable 20W/30W/40W selectable 40W/60W/80W selectable
Voltage	120-277V (Int.Driver)	120-277V (Int.Driver)	120-277V (Int.Driver)	120-277V (Int.Driver)
Lumen Output Low level	575lm/ft, 5w/ft	450lm/ft, 5w/ft	575lm/ft, 5w/ft	450lm/ft, 5w/ft
Lumen Output Medium level	860lm/ft, 7.5w/ft	675lm/ft, 7.5w/ft	860lm/ft, 7.5w/ft	710lm/ft, 7.5w/ft
Lumen Output High level	1150lm/ft, 10w/ft	900lm/ft, 10w/ft	1150lm/ft, 10w/ft	950lm/ft, 10w/ft
Installation	Suspended			
Controls (optional)	Emergency Battery Back-up / Motion Sensor			

Notes: Above are subject to 3500K with 50% up and 50% down lighting distribution. All efficacy is $\pm 5\%$ base on different CCT and lighting distributions. If silicon lens are used the efficacy will decreased by 10%. Check the IES file to gain the accurate data.
 For 3000K fixtures, use 0.96 multiplier; For 4000K fixtures, use 1.04 multiplier.

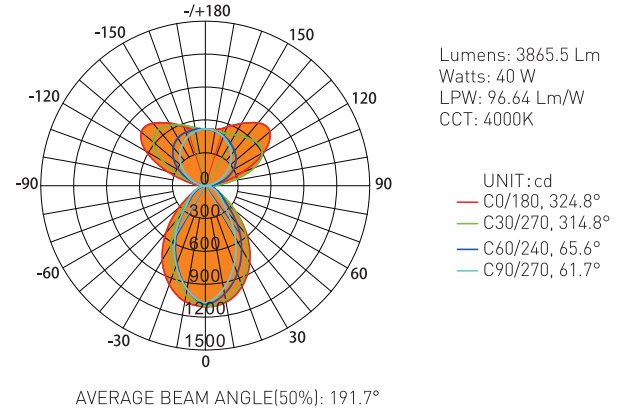
PHOTOMETRY

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.

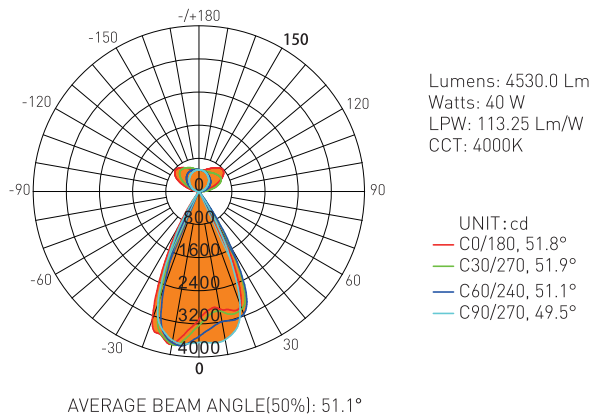
4' / Diffuser/50% Up,50% Down/ 4000K



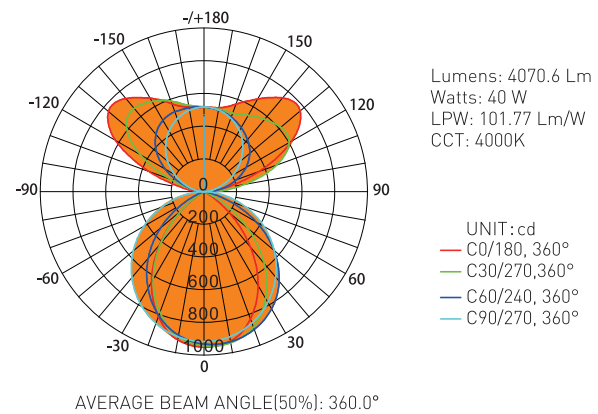
4' / Louver/50% Up,50% Down/ 4000K



4' / Micro Reflector/50% Up,50% Down/ 4000K



4' / Deep Regressed/50% Up,50% Down/ 4000K

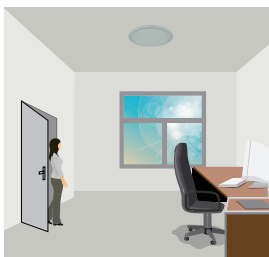


* These distribution diagram is tested based on suspended mount.

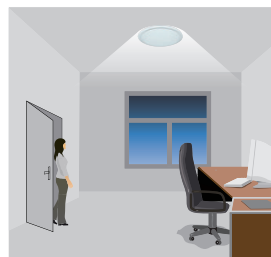
MICROWAVE DIMMING SENSOR

3-step dimming function

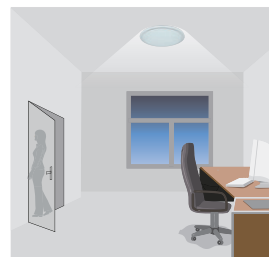
The sensor is an innovative motion sensor, switch on the light on detection of movement, and switch off after a hold time when there is no motion detected.



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	↓	↓	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.