

MAGIC LED LINEAR LIGHT



PRODUCT DESCRIPTION

The MAGIC led linear fixture is a 1.3" wide linear architectural luminaire with a slim and discreet profile. The MAGIC is available in standard lengths of 2', 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.

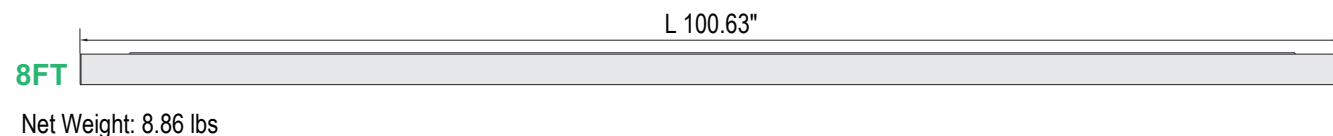
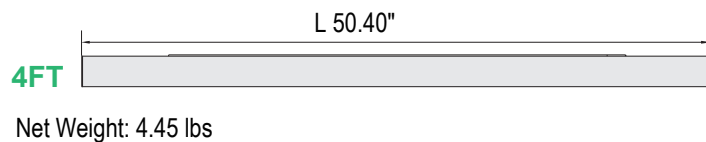
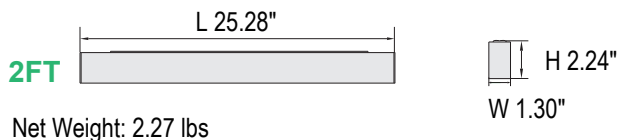
FEATURES

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

Projected Lifetime

L70 - 100,000 Hours

Working Temperature

-4-104°F (-20-40°C)

Certifications

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

Ordering Information

Example: MAG12301-PM-D-FDL

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

1. Series

☒ MAG

2. Length

☐ 06 - 2FT ☐ 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

☒ Blank - 1.3 Inch

4. Driver

☒ Blank - Integral

5. CCT

☐ 30 - 3000K ☐ 40 - 4000K
☐ 35 - 3500K¹

1. 3500K is standard. Please contact Custom Service in advance for other CCT. It may need long lead time.

6. Voltage

☐ 1 - 120-277V

7. Mounting Options

☐ PM - Pendant¹ ☐ SM - Surface Mounted² ☐ WM - Wall Mounted²

1. Pendant mount is standard. Pendant mount kits include dry ceiling and drop ceiling and they need to be bought separately. Please refer to the following accessory table to choose the right pendant mounting kits.

2. It may need long time for surface or wall mount. Please contact Custom Service in advance for surface or wall mount. Mounting accessories are included for surface and wall mount.

8. Light Distribution

☐ D - 100% Downlight¹
☐ U - 100% Uplight
☐ A1 - 50% down, 50% up¹
☐ A2 - 75% down, 25% up
☐ A3 - 25% down, 75% up
☐ C1 - Customize _____ % down _____ % Up

1. Distribution option of "D" and "A1" are standard. Other light distribution may need long time please check with Customer Service in advance. If for surface mount, only 100% downlight can be chose.

* Data was based on the diffuser optics. It has $\pm 10\%$ change for different lens optics.

9. Lens Options

☐ FDL - Flush Diffused Lens ☐ DPL - Drop Lens
☐ LVL - Louver Lens ☐ MRF - Micro Reflector

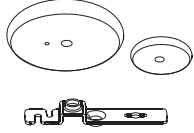
* If the joined length exceeds 8ft, only continous Roll-Out Lens can be used.

10. Finish

☐ Blank - White ☐ BK - Black

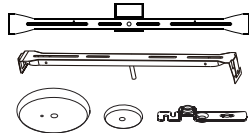
* White finish is standard. Custom color is available for a premium setup fee. Consult customer service for additional information.

Accessories (ordered separately and field installed)



MAG-PMK1

Pendant Mount Kit for Dry Ceiling



MAG-PMK2

Pendant Mount Kit for Drop Ceiling



MAG-LINE

Line Shape Mount Bracket



MAG-CROSS

Cross Shape Mount Bracket



MAG-T

T Shape Mount Bracket



MAG-L

L Shape Mount Bracket



MAG-Y

Y Shape Mount Bracket



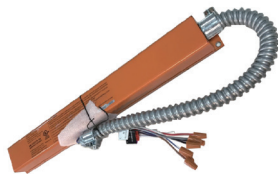
MAG-MSW²

Microwave Motion Sensor Kits



MAG-ROL¹

Continuous Roll-Out Lens (43')



MAG-EBU³

Emergency Battery Back-up



RC-100

Remote Control for Microwave Motion Sensor

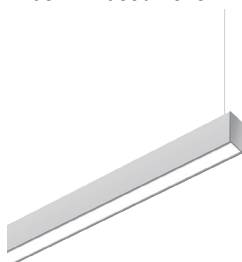
Notes:

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

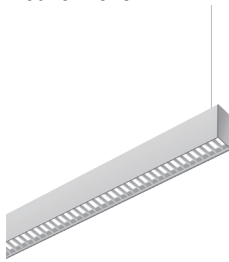
PERFORMANCE DATA

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

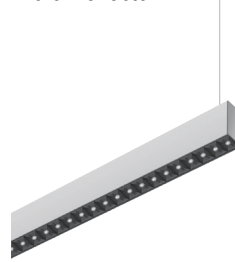
Flush Diffused Lens



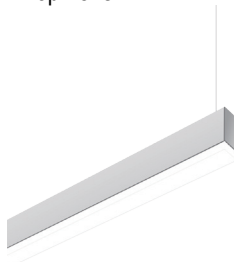
Louver Lens

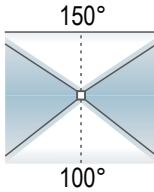
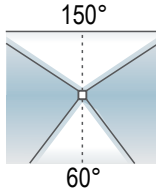
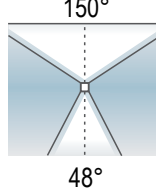
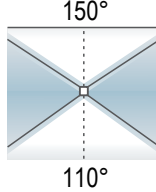


Micro Reflector



Drop Lens



Lengths	2FT/4FT/8FT		2FT/4FT/8FT		2FT/4FT/8FT		2FT/4FT/8FT	
Width	1.3"		1.3"		1.3"		1.3"	
Wattage	20W (2FT) 40W (4FT) 80W (8FT)		20W (2FT) 40W (4FT) 80W (8FT)		20W (2FT) 40W (4FT) 80W (8FT)		20W (2FT) 40W (4FT) 80W (8FT)	
Voltage	120-277V (Int.Driver)		120-277V (Int.Driver)		120-277V (Int.Driver)		120-277V (Int.Driver)	
Efficacy @3500K	UP/Down Light	110lm/w	UP/Down Light	90lm/w	UP/Down Light	120lm/w	UP/Down Light	105lm/w
	100% Uplight	115lm/w	100% Downlight	65lm/w	100% Downlight	100lm/w	100% Downlight	95lm/w
	100% Downlight	95lm/w						
Beam Angle								
Installation	Pendant / Surface Mount / Wall Mount							
Controls (optional)	Emergency Battery Back-up / Motion Sensor							

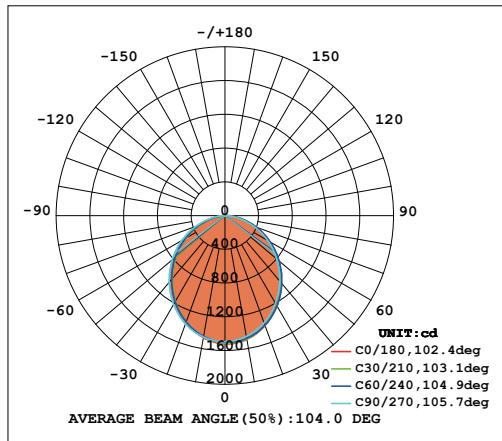
Notes: For 3000K fixtures, use 0.96 multiplier; For 4000K fixtures, use 1.04 multiplier.

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.

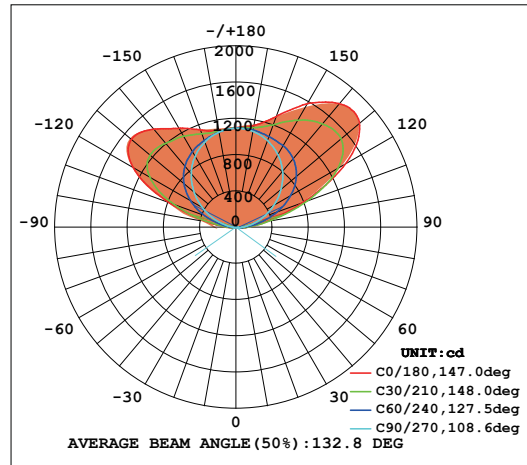
MAG12351-PM-D-FDL

100% Downlight with Flush Diffused Lens



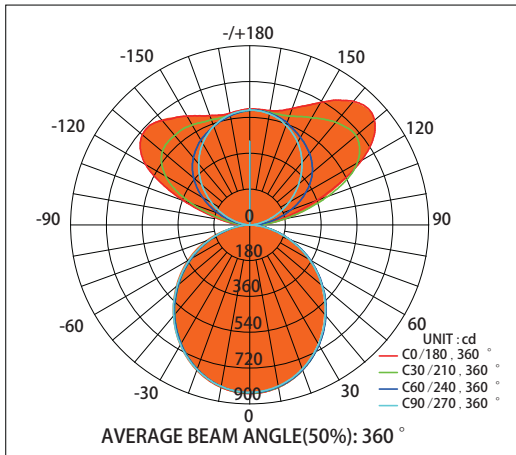
MAG12351-PM-U-FDL

100% Uplight with Flush Diffused Lens



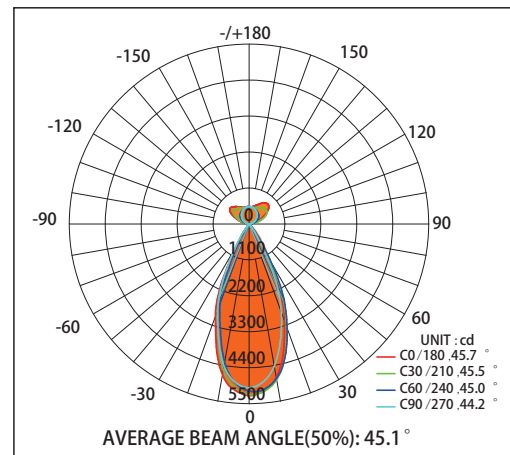
MAG12351-PM-A1-FDL

50% Downlight and 50% Uplight with Flush Diffused Lens



MAG12351-PM-A2-MRF

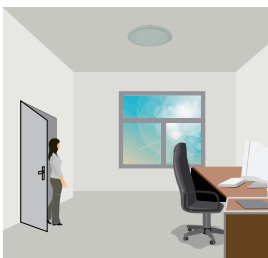
75% Downlight and 25% Uplight with Micro Reflector



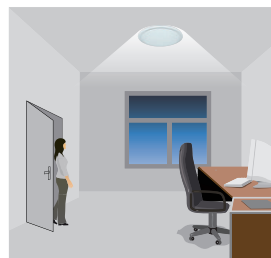
MICROWAVE DIMMING SENSOR

3-step dimming function

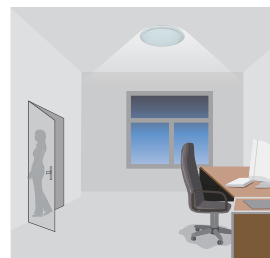
The sensor is an innovative motion sensor, switch on the light on detection of movement, and switch off after a hold time when there is no motion detected.



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. Full warranty terms located at www.aboveallLighting.com/warrantystatements.

Note:

Specifications subject to change without notice.