

MAGIC 1.3 LED LINEAR LIGHT



PRODUCT DESCRIPTION

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 2', 4', and 8' 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.

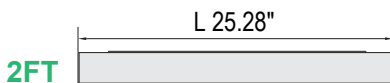
FEATURES

- Comes in lengths of 2', 4', and 8'
- Direct and indirect available
- Available with several lit joiner accessories for unlimited lighting pattern design
- Pendant and surface mounting available
- Microwave sensor and EBU are available

ELECTRICAL SYSTEM

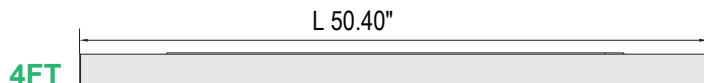
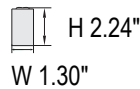
- Input Voltage: 120-277V, 50/60Hz
- Operating temperature range: -4-104°F (-20-40°C)
- Power Factor: > 0.9 at full load
- Total Harmonic Distortion: < 20% at full load

SPECIFICATION



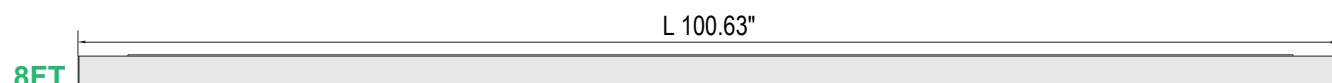
2FT

Net Weight: 2.27 lbs



4FT

Net Weight: 4.45 lbs



8FT

Net Weight: 8.86 lbs

PERFORMANCE

CRI

80

CCT

3000K, 3500K, 4000K

Dimming

1-10V Dimming

Compatible Dimmer

LUTRON: DDTV

LEVITON: IP710

Projected Lifetime

L70 - 100,000 Hours

Working Temperature

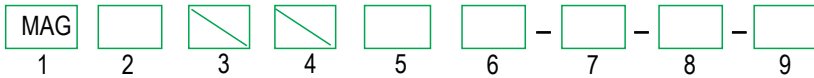
-4-104°F (-20-40°C)

Certifications

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

Ordering Information

Example: MAG12301-PM-D-FDL



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 Mounted

1. Aircraft Cable 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 mounting kits.

8. Light Distribution

D - 100% Downlight

9. Lens Options

FDL - Flush Diffused Lens

* If the joined length exceeds 8ft, only continuous 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)



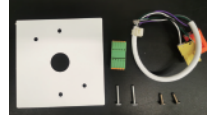
MAG-PMK1

Aircraft Cable Pendant Mount Kit for Dry Ceiling
(One set per fixture)



MAG-PMK3

Aircraft Cable Pendant Mount Kit for Drop Ceiling
(One set per fixture)



MAG-SMK

Surface Mount kits



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



EBU-H08170³

8W Emergency Battery
Back-up for 2ft and 4ft linear



EBU-H25170³

25W Emergency Battery
Back-up for 8ft linear



MAG-ROL¹

Continuous Roll-Out
Lens (43')



MAG-MSW-PM/SM²

Microwave Motion Sensor Kits
for pendant and surface mount



AAL-RC-100

Remote Control for
Microwave Motion Sensor

Notes:

1. If the joined length exceeds 8ft, only continuous 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.

| | |
|------------------------|---|
| Lengths | 2FT/4FT/8FT |
| Width | 1.3" |
| Lens | Flush Diffused Lens |
| Wattage | 20W (2FT) 40W (4FT) 80W (8FT) |
| Voltage | 120-277V (Int.Driver) |
| Efficacy @3500K | 100% Downlight 95lm/w |
| Installation | Pendant / Surface Mount |
| Controls (optional) | Emergency Battery Back-up / Motion Sensor |

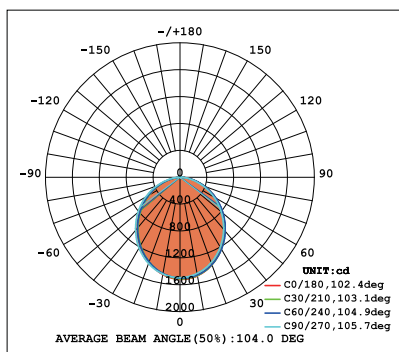
Notes: For 3000K fixtures, use 0.96 multiplier; For 4000K fixtures, use 1.04 multiplier.

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



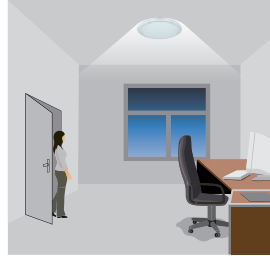
MICROWAVE DIMMING SENSOR

3-step dimming function

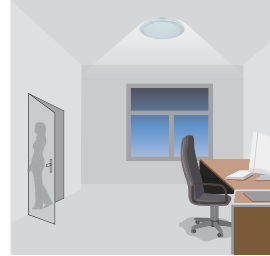
The sensor is an innovative motion sensor, switch on the light on detection of movement, and switch off after a hold time when there is no motion detected.



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.