

# M1™ Module

## MODEL TM-2 | LINEAR PLUG-TOGETHER LED MODULE

The M1 LED Module is a low-cost, high-performance LED fixture ideal for interior display applications, particularly small locations and tight turns. A convenient plug-together design makes installation simple.

Patents Pending



### FIXTURE BUILDER



#### FIXTURE TYPE

M1 Module

#### LENGTH

1 8" Q

#### OPTIC

A Prismatic

#### LED COLOR

AAH Cool White – 6500°K Q  
 AAG Cool White – 5700°K  
 BBD Neutral White – 4000°K  
 CBB Warm White – 3000°K

#### Q - QUICKSHIP

QuickShip models typically ship within 4 weeks of ordering.

### ACCESSORIES

#### POWER

<input type="checkbox"/>	PS09V25W-E09	25W Power Box, 120/240V AC Input, Galvanized Steel Enclosure, Hardwire
<input type="checkbox"/>	400-01994	30W OEM Power Supply, 120/240V Input, Hardwire

1 Power Box / Power Supply as listed above may power up to 8 M1 Modules.

#### INPUT WIRES

##### CONNECTS POWER SUPPLY TO FIRST FIXTURE

<input type="checkbox"/>	685-01049	12"
<input type="checkbox"/>	685-01049-24	24"
<input type="checkbox"/>	685-01049-36	36"

#### JUMPER WIRES

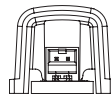
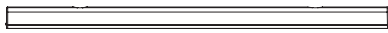
##### BETWEEN FIXTURES

<input type="checkbox"/>	685-01044	3"
<input type="checkbox"/>	685-01045	6"
<input type="checkbox"/>	685-01046	12"
<input type="checkbox"/>	685-01047	24"
<input type="checkbox"/>	685-01048	36"

### QUICK SPECS

<b>Input Voltage</b>	9.1V DC	<b>Humidity</b>	0 to 90% Non Condensing
<b>Power</b>	2.5W	<b>CRI</b>	85 Typ.
<b>Lumens</b>	111 lms typ. @ 6500°K	<b>Max. Plug Together</b>	8 Modules
<b>Efficiency</b>	45 lms / W typ. @ 6500°K	<b>Max. Wire Distance</b>	15 Feet from Last Light to Power Box using 18awg
<b>Operating Temp</b>	-20°C to 30°C	<b>Housing</b>	Injection Molded Polycarbonate
<b>Max. Case Temp</b>	40°C		

8.13" [206mm]

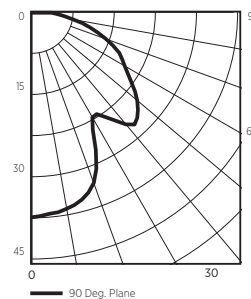


0.46" [11mm]

0.55" [14mm]

### PHOTOMETRICS

#### M1 MODULE (TM2-1A-AAH) RESULTS



Mounting Height	fc @ Center Beam	Diameter of Lighted Plane
1.0 ft	38.0 fc	2.9 ft
2.0 ft	9.5 fc	5.7 ft
3.0 ft	4.2 fc	8.6 ft
4.0 ft	2.4 fc	11.4 ft
5.0 ft	1.5 fc	14.3 ft
6.0 ft	1.1 fc	17.1 ft
7.0 ft	0.8 fc	20.0 ft
8.0 ft	0.6 fc	22.8 ft

for lux, multiply by 10.8

#### Multiplier Table

M1 Module

3000°K

x0.90

4000°K

x0.95

6500°K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.

For complete technical information refer to the M1 Module Installation Guide available at [www.i2Systems.com](http://www.i2Systems.com)