

Incredible **75,000 hrs**

### GENERAL DESCRIPTION

Neptun's LED Ad-Bulletin™ Modular M3 billboard fixtures combine architectural form and patented design to make it an excellent choice for retrofit or new billboard applications. The 90 PCS, High Output Cree LED's and custom engineered optics provide highly uniform illumination of various billboard sizes. It can replace existing HID billboard fixtures up to 400W.

### APPLICATION

- 25' Billboard requires 1 Unit
- 36' Billboard requires 2 Units

### STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Heat and impact resistant tempered flat glass lens.
- Continuous silicone gasketing surrounds optics for IP68 weather tight seal.
- 1-1/2" I.D. Slip Fitter Accepts up to 1-1/4" Pipe or Tenon. (hardware included)
- Correlated Color Temperature of (5300°K) for greater visibility.
- Field selectable Power Input 110-130W.
- Patented constant light control output over 75,000 hrs. life.
- High power factor, low THD driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 10 Year Warranty on complete fixture. (LED's, Driver, & Housing)

### ORDERING INFORMATION

Sample Number: LED-87110-M3-UNV-0-10VDIM-850-GRY  
Custom options and accessories available. Please consult factory

Series	Wattage	Voltage	Options	Color Temp.	Color
LED-87 = Modular Billboard Fixture	110-M3 = 110 W 120-M3 = 120 W 130-M3 = 130 W	UNV = 120-277 VAC 347V = 347 VAC 480V = 480 VAC 24VDC = 24 VDC	0-10VDIM = 0-10V Dimming * Contact Factory for Dimming Options	850 = 5000°K	GRY = Grey * Custom Colors Available



lightinnovations@work™



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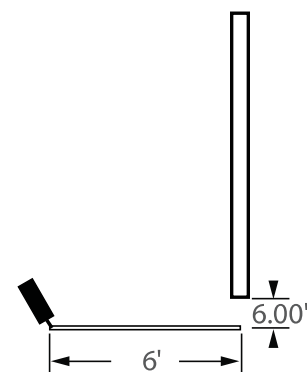
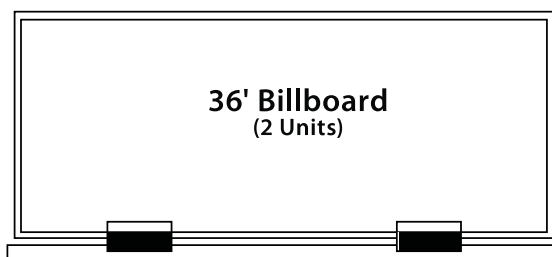
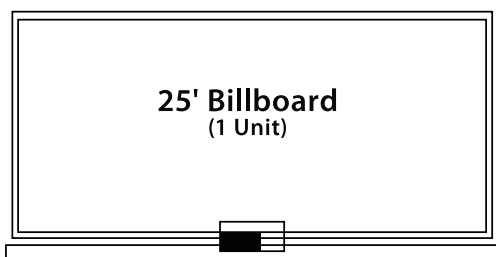
### PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Universal Line Voltage (VAC)	Max Line Current (Amp) @ 120 - 277	THD	Power Factor	Weight
LED-87110-M3-UNV	LED Billboard Fixture	110	112	9,900	120-277	0.96 - 0.41	<15%	>0.98	32 lbs
LED-87120-M3-UNV	LED Billboard Fixture	120	122	10,800	120-277	1.05 - 0.45	<15%	>0.98	32 lbs
LED-87130-M3-UNV	LED Billboard Fixture	130	132	11,700	120-277	1.13 - 0.49	<15%	>0.98	32 lbs

### SPECIFICATIONS

- Driver ..... Constant Current
- Start Method ..... InstantON
- Hot Re-start ..... InstantON
- Power Supply ..... 350mA
- Driver UL Rating ..... Class 1
- Driver UL Outdoor Rated ..... Wet Location
- Sound Rating ..... Class A
- ANSI Surge Protection ..... IEEE C62.41 C High
- Inrush Current Peak ..... < 10 Amp
- Current Crest Factor ..... 1.5 maximum
- Load Regulation: 5% output current variation across load range
- Line Regulation: 1% output voltage variation across voltage range
- Driver Off-State Draw ..... 0 Watts
- Vibration Compliance ..... 3G
- Universal Input Line Voltage ..... 120-277 VAC
- Input Line Frequency ..... 50/60 Hz
- LED / Driver System Life ..... 75,000 Hrs.
- Lumen Maintenance @50,000Hrs ..... > 70%
- Color Temperature ..... 5,000°K
- Color Rendering Index (CRI) ..... > 80
- Minimum Starting Temperature ..... -40°C
- Maximum Starting Temperature ..... +50°C
- Lumens per Watt ..... > 90
- Shock / Vibration Resistant ..... Yes
- Power Factor ..... > 0.90
- Total Harmonic Distortion ..... < 20%
- Inrush Current Peak ..... < 10 Amp
- FCC Compliance ..... Part 15, Subp. C
- Housing IP Rating ..... IP65
- Driver IP Rating ..... IP67
- Optics IP Rating ..... IP68
- Warranty ..... 10 Year

### COVERAGE RECOMMENDATIONS



### MOUNTING OPTIONS

Slip Fitter



1-1/2" I.D.  
Accepts up to 1-1/4"  
Round or Square Pole

### FOR BEST RESULTS

- Fixtures should be mounted at least 6 ft. from the surface of the board
- Fixtures should be mounted at 30° pre-adjusted at factory.



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