41.00"

9.00"

Incredible 100,000 hrs

GENERAL DESCRIPTION

Neptun's LED Ad-Bulletin™ Modular M4 billboard fixtures combine architectural form and patented design to make it an excellent choice for retrofit or new billboard applications. The 120 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
· 48' Billboard requires 2 Unit

STRUCTURE, MATERIALS, & FEATURES
· Heavy-gauge, die-cast aluminum housing.
· LED engine design with Advanced Thermal Management.
· Corrosion resistant electrocoat grey finish.
· 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 (5000°K) for greater visibility.
· Patented constant light control output over 75,000 hrs. life.
· High Output LED's.
· High power factor, low THD driver with 6kV/3kA surge protection.
· 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-87150-M4-UNV-0-10VDIM-850
Custom options and accessories available. Please consult factory

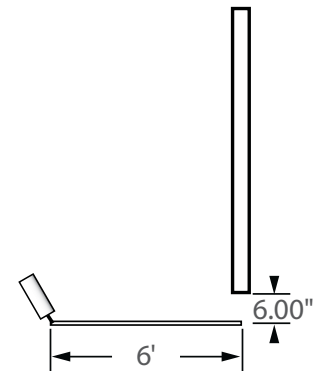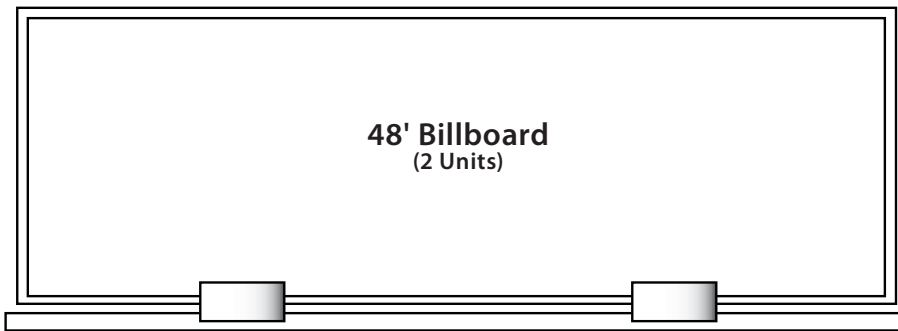| Series	Wattage	Voltage	Options	Color Temp.
LED-87 = Modular Billboard Fixture	**150-M4** = 150 W **160-M4** = 160 W **170-M4** = 170 W	**UNV** = 120-277 VAC **347V** = 347 VAC **480V** = 480 VAC	**0-10VDIM** = 0-10V Dimming ***** Contact Factory for Dimming Options	**850** = 5000°K

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PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Delivered Lumens	Universal Line Voltage (VAC)	Max Line Current (Amp) @ 120 - 277	THD	Power Factor	Weight
LED-87150-M4-UNV	LED Billboard Fixture	150	152	15,000	120-277	1.31 - 0.56	<20%	>0.90	38 lbs
LED-87160-M4-UNV	LED Billboard Fixture	160	162	16,000	120-277	1.39 - 0.60	<20%	>0.90	38 lbs
LED-87170-M4-UNV	LED Billboard Fixture	170	172	17,000	120-277	1.48 - 0.64	<20%	>0.90	38 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
- Projected (L70) @ 25°C .... > 100,000 hrs.
- Color Temperature .... 5,000°K
- Color Rendering Index (CRI) .... > 80
- Minimum Starting Temperature .... –40°C
- Maximum Starting Temperature .... +50°C
- Lumens per Watt .... > 100
- Power Factor .... > 0.90
- Total Harmonic Distortion .... < 20%
- FCC Compliance .... Part 15, Subp. C
- Housing IP Rating IP65
- Driver IP Rating IP67
- Optics IP Rating IP68
- Warranty .... 10 Year

COVERAGE RECOMMENDATIONS

48' Billboard
(2 Units)

6.00"

6'

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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