NEPTUN LIGHT

LED
FLOOD FIXTURES
MODULAR
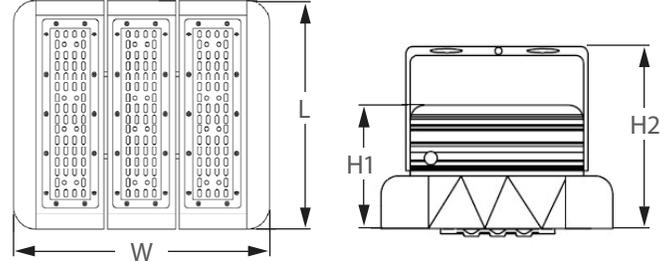
Model#	W	L	H1	H2
LED-MFL-050-M1	6.30"	12.25"	3.75"	6.75"
LED-MFL-100-M2	10.00"	12.25"	3.75"	6.75"
LED-MFL-150-M3	14.00"	12.25"	3.75"	6.75"
LED-MFL-200-M4	18.00"	12.25"	3.75"	6.75"
LED-MFL-240-M5	22.00"	12.25"	3.75"	6.75"
LED-MFL-300-M6	26.00"	12.25"	3.75"	6.75"

Incredible 50,000 hrs

GENERAL DESCRIPTION

Neptun's LED Flood fixtures feature architectual form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's LED-MFL series fixtures feature high output LED's and custom engineered optics to provide excellent uniformity and efficiency. It can replace existing HID & HPS fixtures up to 1,000 Watts.

APPLICATION

· Building Accent Lighting
· Landscape Lighting
· Security Lighting
· Parking Lot Lighting
· Area Lighting
· Storage Area Lighting
· Sign Lighting

STRUCTURE, MATERIALS, & FEATURES

· Heavy-gauge, die-cast aluminum housing with cooling fins.
· Heat and impact resistant polycarbonate lens.
· Corrosion resistant electrocoat silver finish.
· Continuous silicone gasket surrounds lens for weather - tight seal.
· Adjustable angle mounting brackets included.
· High Output LED's.
· High power factor, low THD driver with 6kV/3kA surge protection. Optional 20kV/10kA surge protector available.
· Instant-On flicker-free Cold Start and Hot Re-Start.
· LED engine design with Advanced Thermal Management.
· Up to 20 year maintenance free operation.
· 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-MFL-050-M1-UNV-0-10VDIM-850-YK-LD-120V-B60
Custom options and accessories available. Please consult factory

Series	Wattage	Voltage	Options	CCT	Accessories	Beam
LED-MFL = Modular Flood Light	**050-M1** = 50 W **100-M2** = 100 W **150-M3** = 150 W **200-M4** = 200 W **240-M5** = 240 W **300-M6** = 300 W	**UNV** = 120-277 VAC **347V** = 347 VAC **480V** = 480 VAC	**0-10VDIM** = 0-10V Dimming	**841** = 4100°K **850** = 5000°K	**LD-120V** = Photocell-120V **LD-277V** = Photocell-277V **SP** = 20kV/10kA surge protector **SF** = Slip Fitter Mounting Arm	**B60** = 60° Beam **B90** = 90° Beam **B120** = 120° Beam

RoHS COMPLIANT · UL · CE

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PRODUCT INFORMATION

Model No.	Description	Input Watts	Delivered Lumens	Universal Line Voltage (VAC)	Max Line Current (Amp) @ 120 - 277	THD	Power Factor	Weight
LED-MFL-050-M1-UNV	LED Flood Light	50	6,750	120-277	0.43 - 0.18	<15%	>0.95	5 lbs
LED-MFL-100-M2-UNV	LED Flood Light	100	13,500	120-277	0.87 - 0.37	<15%	>0.95	8 lbs
LED-MFL-150-M3-UNV	LED Flood Light	150	19,500	120-277	1.31 - 0.56	<15%	>0.95	10 lbs
LED-MFL-200-M4-UNV	LED Flood Light	200	27,000	120-277	1.74 - 0.75	<15%	>0.95	12 lbs
LED-MFL-240-M5-UNV	LED Flood Light	240	32,400	120-277	2.10 - 0.90	<15%	>0.95	14 lbs
LED-MFL-300-M6-UNV	LED Flood Light	300	40,500	120-277	2.62 - 1.13	<15%	>0.95	17 lbs

SPECIFICATIONS

- Driver .... Constant Current
- Start Method .... InstantON
- Hot Re-start .... InstantON
- Driver UL Rating .... Class 1
- Driver UL Outdoor Rated .... Wet Location
- Sound Rating .... Class A
- ANSI Surge Protection .... IEEE C62.41 C High
- Driver Off-State Draw .... 0 Watts
- Universal Input Line Voltage .... 120-277 VAC
- Input Line Frequency .... 50/60 Hz
- Color Temperature .... Multiple (± 300°K)
- Color Rendering Index (CRI) .... > 80
- Beam Angle .... 60° / 90° / 120°

- Minimum Starting Temperature .... -25°C
- Maximum Starting Temperature .... +50°C
- Lumens per Watt .... > 135
- Shock / Vibration Resistant .... Yes
- Power Factor .... > 0.95
- Total Harmonic Distortion .... < 15%
- Inrush Current Peak .... < 10 Amp
- FCC Compliance .... Part 15, Subp. C
- Housing IP Rating IP66
- Driver IP Rating IP67
- Optics IP Rating IP66
- Warranty .... 5 Year

MODULAR OPTIONS

M1

M2

M3

M4

M5

M6

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