

- » Quality Product Solutions
- » Energy Efficiency
- » Innovative Design
- » Cutting Edge Technology



NEPTŪN ART OF STREET LIGHTING

Street lighting has been a necessary technology for centuries; a technology that has seen great changes over its lifetime and will continue to do so. At the forefront of modern street lighting innovation is Neptun Light. One of the large demands in modern street lighting is efficiency. Our products attack this issue from multiple angles. To further improve efficiency in our lighting systems, we offer an intuitive control system that allows the user as much automated and manual controls as they wish and monitors the status of each fixture. All of these factors combined make Neptun Light a great option for modern, efficient street lighting.



Neptun Light is committed to maintaining a sustainable vision which fuels our ambitious research, product strategy and market positioning. Our business objectives reflect our core values in three distinct phases:

1. **Setting comprehensive product goals,**
2. **Leveraging state of the art technologies and**
3. **Engineering to the industry's highest quality standards.**

Through exceptional efficiency achieved by our proprietary lean manufacturing process, Neptun's products play a key role in progressing the lighting industry and raising the bar on value.



GREEN



Commitment to sustainability



Cutting edge technology



State of the art product engineering

NEPTUN SMART STREET SOLUTIONS★

▶ Village Street



LED-451xxx

▶ Residential Street



LED-452xxx

▶ Major Street



LED-882xxx-L4

▶ Interstate Highway



LED-89xxx-M5

▶ High Mast



LED-HM62xxx



LED-89xxx-M2



LED-882xxx-L3



LED-83xxx-L3



LED-89xxx-M6



LED-31xxx-M5



LED-81xxx-L1



LED-89xxx-M2



LED-81xxx-L3



LED-882xxx-L6



LED-20xxx



LED-81xxx-L2



LED-89xxx-M4



LED-884xxx



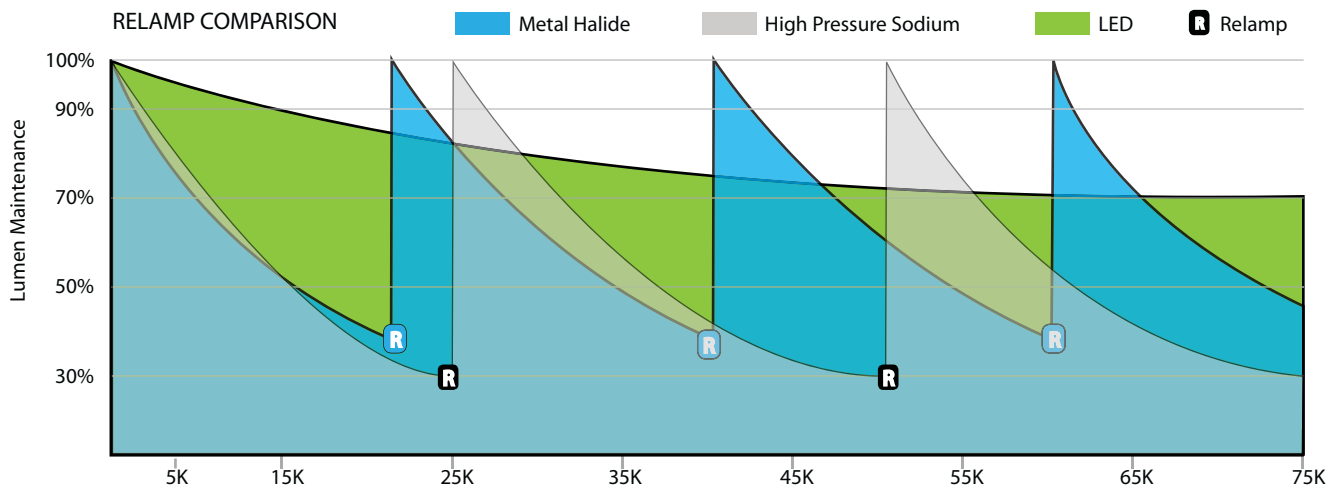
★ SMART MONITORING SYSTEM

- ▶ Real-time tamper and unauthorized access alerts
- ▶ Group control: on/off, dim 0-10, status read
- ▶ Remotely detect and report lamp failure
- ▶ Execute scheduled commands based on integrated real time clock (RTC) and embedded astronomical calendar with failsafe super-capacitor
- ▶ Internal backup micro operating system in the event of wireless signal interference
- ▶ Remote daily operating schedule management

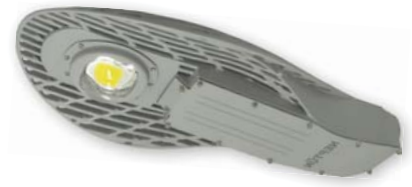
**SMART
STREET FIXTURES**

► EFFICIENCY

LED light sources are more efficient, which allows for less power consumption when compared to HID light sources. HID light sources also use wavelengths outside of the visual spectrum, effectively wasting energy on other wavelengths. LED products have a much longer life than HID products. In the lifetime of one LED lamp, it is estimated that up to 4 HID lamps could fail. This increases costs by having to buy more product, as well as spending on installation expenses.



Attribute	H.P.S.	Metal Halide	LED
Rated Wattage	400W	400W	180W
Input Wattage	460W	460W	182W
CRI	21	65	80
Color Temp.	2,300°K	4,100°K	Multiple
Maintained	90	67	90
Lumen Depreciation	30% @ 2,000Hrs.	40% @ 2,000Hrs.	5% @ 2,000Hrs.
Life Span	18,000 Hrs.	15,000 Hrs.	L70 > 100,000 Hrs.
Start Up	15min. Warm Up	15min. Warm Up	InstantOn/Flicker Free
Noise Operation	Humming/Buzzing	Humming/Buzzing	None
Warranty	None	None	5 & 10 Years
Remote Monitoring	No	No	Yes
Dimming Option	No	No	Yes



LED-81xxx-L1



LED-451xxx



LED-882xxx-L2

VILLAGE STREET LIGHTING SOLUTION

► OVERVIEW

Neptun's simple, low Wattage fixtures are a great solution for small roads. They provide just enough light without being overwhelming, and they come in a bright, white color to provide visibility and safety for pedestrians.





LED-452xxx



LED-882xxx-L3



LED-89xxx-M2

RESIDENTIAL STREET LIGHTING SOLUTION

► OVERVIEW

Neptun fixtures are ideal for residential streets due to a wide range of versatility. They come in multiple distributions with unique light angling technology to direct light exactly where it needs to be. They are also available in a bright, white color for safety to passing pedestrians.





LED-81xxx-L3



LED-882xxx-L4



LED-89xxx-M4

MAJOR STREET LIGHTING SOLUTION

► OVERVIEW

Neptun fixtures combine architectural form and versatility, making it an excellent choice for new construction or retrofit applications. Multiple distribution patterns and unique light angling technology allow the customer to obtain the most ideal lighting patterns for their application.





LED-882xxx-L6



LED-89xxx-M5



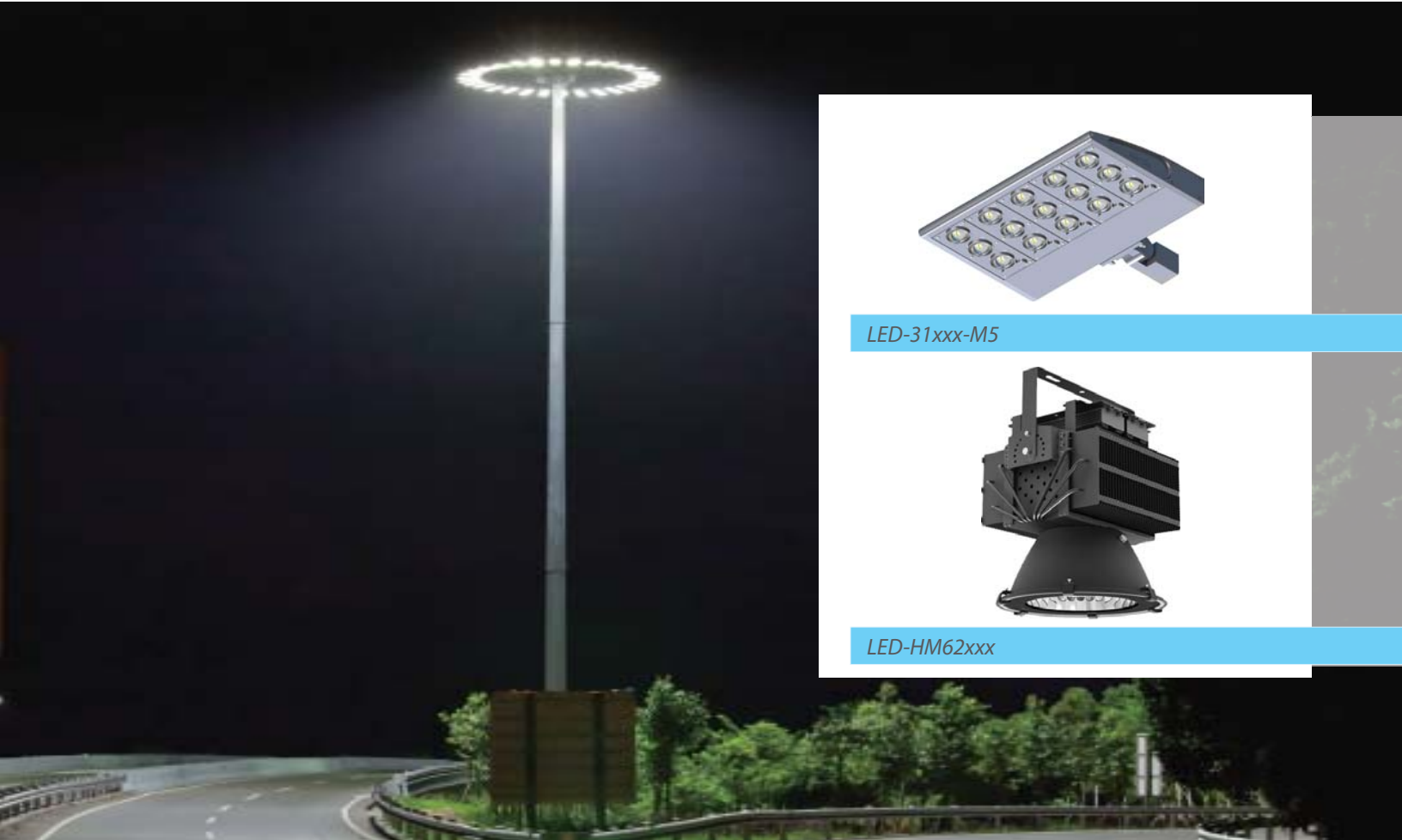
LED-89xxx-M6

INTERSTATE HIGHWAY LIGHTING SOLUTIONS

► OVERVIEW

These high-output LED fixtures set a new standard for energy efficiency, light quality, and beam control. Highly engineered optics and advanced housing designs deliver outstanding visibility and light distribution to meet various Highway and Interstate lighting standards.





LED-31xxx-M5



LED-HM62xxx

HIGH MAST STREET LIGHTING SOLUTION

► OVERVIEW

Neptun's revolutionary High Mast Luminaires set the standard in energy savings and beam control with a modular design and State of the Art SSL technology. Light output is virtually absent of any deviation in efficiency and color temperature over the product's 75,000 hour life, greatly reducing maintenance costs.



Product	Wattage	Lumens	CRI	HID Replacement	Warranty	0-10V Dimming
 LED-882xxx-L2	40w-60w	4,000-6,000	80+	70w - 150w	10 year	◆
 LED-882xxx-L3	70w-90w	7,000-9,000	80+	150w - 250w	10 year	◆
 LED-882xxx-L4	100w-120w	10,000-12,000	80+	150w - 250w	10 year	◆
 LED-882xxx-L6	130w-180w	13,000-18,000	80+	250w - 400w	10 year	◆



Product	Wattage	Lumens	CRI	HID Replacement	Warranty	0-10V Dimming
 LED-89xxx-M2	80w-110w	8,000-11,000	80+	150w-175w	10 year	◆
 LED-89xxx-M3	120w-165w	12,000-16,500	80+	250w-400w	10 year	◆
 LED-89xxx-M4	170w-220w	17,000-22,000	80+	400w	10 year	◆
 LED-89xxx-M5	230w-275w	23,000-27,500	80+	400w	10 year	◆
 LED-89xxx-M6	280w-330w	28,000-33,000	80+	400w-750w	10 year	◆



Product	Wattage	Lumens	CRI	HID Replacement	Warranty	0-10V Dimming
 LED-451xxx	40w-80w	3,800-6,400	80+	70w-175w	5 Year	◆
 LED-452xxx	100w-160w	8,000-13,900	80+	250w-400w	5 Year	◆
 LED-883xxx	30w-80w	3,000-8,000	80+	150w-250w	5 Year	◆
 LED-884xxx	100w-180w	10,000-18,000	80+	250w-400w	5 Year	◆
 LED-81xxx-L1	40w-80w	4,000-8,000	80+	70w-175w	10 year	◆
 LED-81xxx-L2	100w-120w	10,000-12,000	80+	250w	10 year	◆
 LED-81xxx-L3	140w-160w	14,000-16,000	80+	250w-400w	10 year	◆



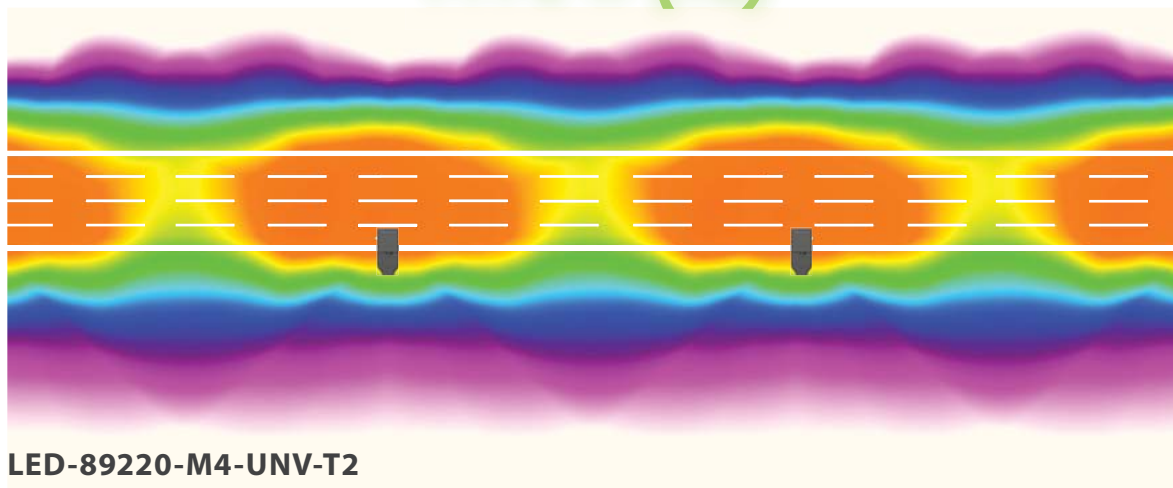
Product	Wattage	Lumens	CRI	HID Replacement	Warranty	0-10V Dimming
 LED-83xxx-L1	40w-80w	4,000-8,000	80+	70w-175w	10 year	◆
 LED-83xxx-L2	100w-120w	10,000-12,000	80+	250w	10 year	◆
 LED-83xxx-L3	140w-180w	14,000-18,000	80+	250w-400w	10 year	◆
 LED-20xxx	35w-50w	3,500-5,000	80+	100w-150w	5 Year	◆
 LED-HM62xxx	500w	48,000	80+	1000w	5 Year	◆
 LED-31xxx M5	400w	40,000	80+	1000w	10 year	◆



▶ Smart Design

With various styles, optics, and wattages, Neptun Light can offer the best solution in roadway design. These designs comply with various roadway standards around the world (EU and IESNA)

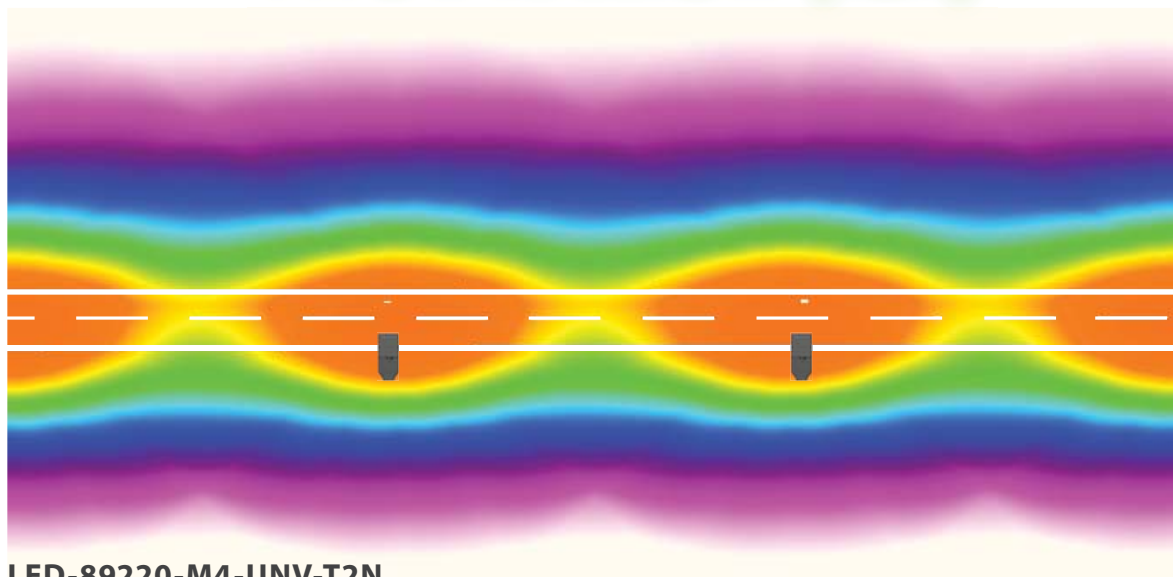
TYPE II (T2)



LED-89220-M4-UNV-T2

4-Lane Road
Pole Height: 15m
Pole Spacing: 60m

TYPE II NARROW (T2N)

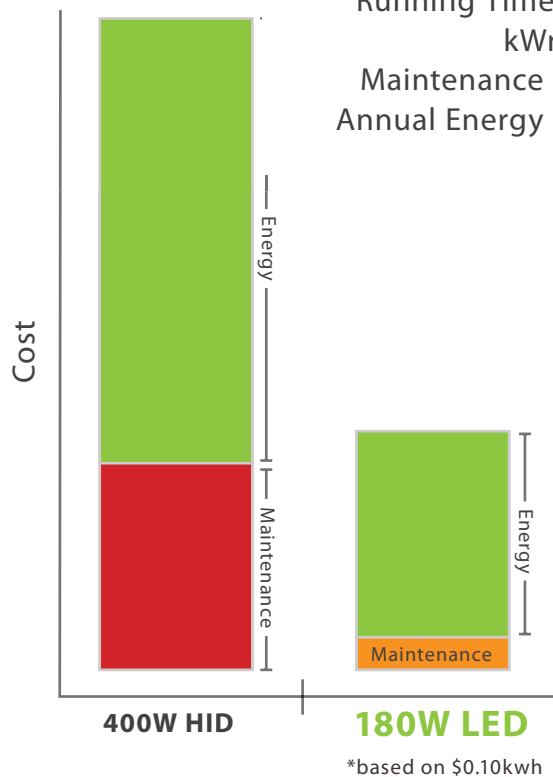


LED-89220-M4-UNV-T2N

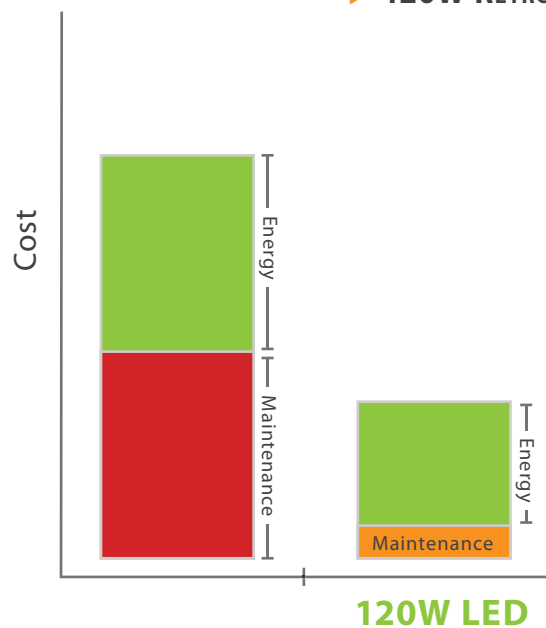
2-Lane Road
Pole Height: 15m
Pole Spacing: 70m

▶ 180W RETROFIT

	Metal Halide	LED Retrofit
Rated Wattage	400w	180w
Input Wattage	455w	182w
No. of Fixtures	1,000	1,000
Running Time/Year	4,380hrs (12/day)	4,380hrs (12/day)
kWr Rate	\$0.10	\$0.10
Maintenance Costs	\$14,126	\$0
Annual Energy Costs	\$199,290	\$79,716



▶ 120W RETROFIT



	Metal Halide	LED Retrofit
Rated Wattage	250w	120w
Input Wattage	290w	122w
No. of Fixtures	1,000	1,000
Running Time/Year	4,380hrs (12/day)	4,380hrs (12/day)
kWr Rate	\$0.10	\$0.10
Maintenance Costs	\$14,126	\$0
Annual Energy Costs	\$127,020	\$53,436

A growing concern today is the sustainability of the Earth's natural resources. Neptun Light offers a product that can drastically reduce the impact that we, as a society, have on the environment. The efficiency of our products make this a possibility, but our dedication to the environment doesn't stop there. Neptun Light has made large strides in implementing renewable energy into their products as well. This results in a difference the world will be able to see.

"Constant innovation is the foundation of our progress and growth."

- Andrew Bobel, CEO

America consumes 1,169,000 GWh of electricity per year

17% of energy consumption in America is estimated to come from lighting (198,730 GWh)

Energy Efficient Lighting products can reduce that consumption by up to 60%

Equivalent Cars removed From Road: 2.212 Trillion

Equivalent Trees Planted: 3.488 Trillion

Carbon Removed From Atmosphere: 1.279 Quadrillion Tons



About Neptun Light

Neptun Light is a leader in the manufacture of energy efficient retrofit products and light fixtures in the fields of LED, Induction, and Solar technology. We boast a highly diversified product portfolio of indoor and outdoor products. Additionally, our products span a wide range of commercial, industrial, government, and utility infrastructure applications. Neptun Light achieves its level of success through timely development of new technology that caters to a constantly evolving marketplace. Among Neptun Light's core values are continuous innovation, high quality products, a focus on energy conservation, and an uncompromised commitment to customer service.



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