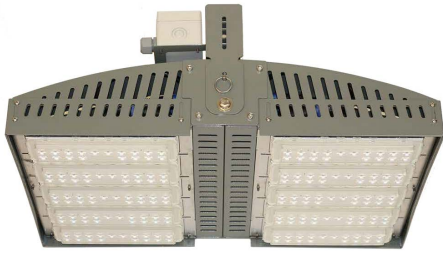




## Take Control of Your Lighting.

Bright Light Systems Nova HM (High Mast) LED luminaire is specifically designed for harsh operating environments found in ports, airports, and rail yards. It offers superior performance and coverage over large areas and comes with a variety of optical distributions. Consuming only 570 watts, the Nova HM dramatically reduces energy costs by almost 50% when compared to traditional HID lighting. Our high-brightness LED Modules are IP68 rated and come with a UV resistant, high-impact polycarbonate lens. A 100,000 hour (L80) lifetime minimizes maintenance expense and enables a simple payback of typically less than three years. Wireless control integrates with the Bright Light Management System (BLMS).



## Features

- Reduce Energy Costs by 50%
- Enhanced Color Recognition
- LED Lifetime L80 @ 100,000 Hours
- IP68 Rated LED Modules
- UV Inhibiting Precision Molded Lens
- Wireless Lighting Control Ready
- Versatile optical packages
- Suitable for Wet Location
- 5-Year Limited Warranty

## Specifications

Light Source	10 High Brightness LED modules
Fixture Lumens	65,000
Power Consumption	570 Watts
Fixture Efficacy	114 lm/w
Lumen Maintenance (L80)	100,000 Hrs
Power Source	High-quality Driver Rated for Hazardous Location
Driver Lifetime	100,000 Hrs @ 65°C Case Temperature
Input Voltage	120V - 480V 50/60Hz
Power Factor	>.98 @ 277V
THD	<15%
Surge Protection	10kV/10kA
Color Temperature	3000K, 4000K, 5000K, 5700K
CRI	>70/80
Finish	Basalt Gray with Zirconium Undercoat
Housing	High-Strength AL5052 Aluminum and SS304 Chassis
Ingress Protection	IP67 Power Supply/IP68 LED Modules
Mount	Trunnion or Horizontal Tenon
Operating Temperature	-40°C to 40°C
Measurements	26.9"L x 17.4"W x 9.8"H
Weight	47.5 lbs (21.5 kg)
EPA (Windload)	1.23 ft <sup>2</sup>
Warranty	5-Year Limited Warranty
Approvals	UL1598 Wet Location, DLC v4.0, CE

## Application



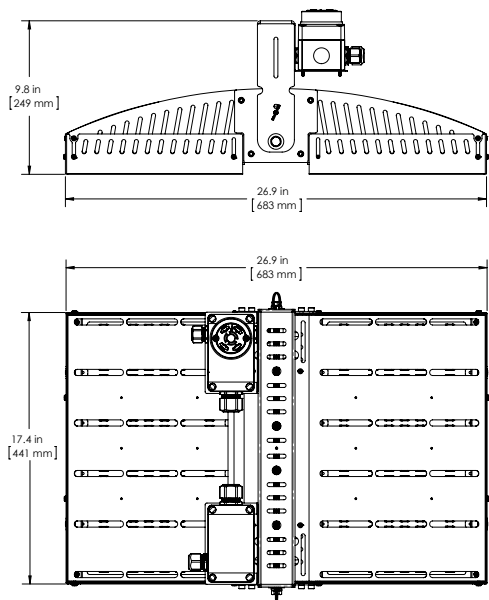
## Additional

All components are UL recognized and rated from -40°C to +40°C ambient. Luminaire is supplied with Type HL (Hazardous Location) AC/DC power supply with high power factor (>.98) and low THD (<15%). Surge protection up to 10kV/10kA suppression in accordance with IEEE/ANSI C62.41.2 Category C High and UL1449. Durable housing is constructed from AL5052 aluminum and 304 stainless steel. UV-resistant TGIC powder coat finish that is AAMA 2603 and ROHS compliant. Mounting options include tenon slip fitter for 2.375" (60mm) O.D. tenon or standard trunnion. Designed and manufactured in the USA.

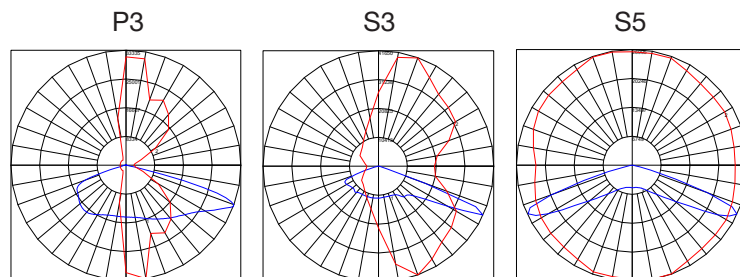
\*Specifications subject to change without notice  
\*Actual wattage may differ by +/- 8% when operating between 120V-480V



## Dimensions



## Photometrics



Plot Generated With Nominal MH-TSM Source, Max Candela = 33335  
 Located At Horizontal Angle = 260, Vertical Angle = 0°  
 #1 - Vertical Plane Through Horizontal Angles (260-340) Through Max. Cd.  
 #2 - Horizontal Cone Through Vertical Angle (0°) Through Max. Cd.

Plot Generated With Nominal MH-TSM Source, Max Candela = 41650  
 Located At Horizontal Angle = 260, Vertical Angle = 0°  
 #1 - Vertical Plane Through Horizontal Angles (260-340) Through Max. Cd.  
 #2 - Horizontal Cone Through Vertical Angle (0°) Through Max. Cd.

Plot Generated With Nominal MH-TSM Source, Max Candela = 27335  
 Located At Horizontal Angle = 260, Vertical Angle = 0°  
 #1 - Vertical Plane Through Horizontal Angles (260-340) Through Max. Cd.  
 #2 - Horizontal Cone Through Vertical Angle (0°) Through Max. Cd.

## Energy Efficiency

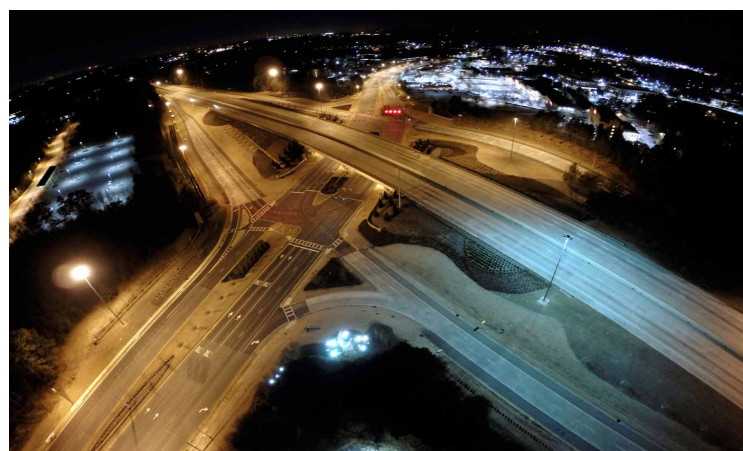
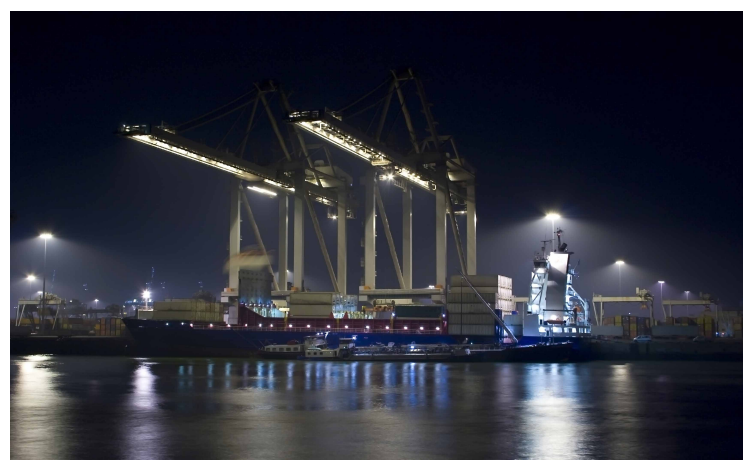
Light Source	1000W HPS	NOVA HM LED
System Wattage	1200W	570W
Daily Usage	12 Hrs	12 Hrs
Annual Energy Consumption	5256 kWh	2496 kWh
Cost per kWh	\$0.13	\$0.13
Annual Operating Cost	\$683	\$325
Rated Lifetime	15,000 Hrs	100,000 Hrs
Replacement Lamps per Year	.29	.05
Maintenance Cost per Lamp	\$200	\$200
Annual Maintenance Cost	\$58	\$10
Total Annual Cost	\$741	\$335
<b>Savings per Fixture</b>		<b>\$406</b>
Estimated Utility Rebate	N/A	\$138
Total Savings per Fixture	N/A	\$544
<b>Savings per Installation</b>	<b>500 units</b>	<b>\$272,000</b>

<sup>1</sup>Maintenance Cost includes Labor, Lift Expense, Ballast, Etc.

<sup>2</sup>Rebate Based on \$0.05 per Annual kWh Saved, Utility Participation Varies

<sup>3</sup>Use of BLMS Wireless Controller Increases Annual Energy Savings by 30%

## Intelligently Controlled Lighting



## Ordering Information

Product	Modules (Flux)	Color	Distribution	Mount	Voltage	Options
<b>NOVAHM</b>	<b>L10</b> 65,000 lm @1050mA	<b>C730K</b> 3000K <b>C740K</b> 4000K <b>C750K</b> 5000K <b>C757K</b> 5700K	<b>H2</b> 25 Degree, Flood <b>H4</b> 40 Degree, Flood <b>H6</b> 60 Degree, Flood <b>H9</b> 90 Degree, Flood <b>P3</b> Type III Medium, Horizontal <b>P4</b> Type IV, Horizontal <b>S3</b> Type III Medium, Vertical <b>S5</b> Type V Symmetrical, Wide	<b>T</b> Trunnion	<b>12</b> 120-208V <b>24</b> 240V <b>27</b> 277V <b>34</b> 347V <b>48</b> 480V	<b>BG</b> Bird Guard <b>PC</b> Twist-lock Photocontrol <b>SC</b> Twist-lock Shorting Cap <b>SF</b> Slipfitter Mount for 2-3/8" O.D. Tenon <b>WC</b> Twist-Lock BLMS Wireless Controller
<b>Example: NOVAHM-L10C740KS5T48</b>			Note: Wireless controller integrates with the Bright Light Management System (BLMS)			