



## Take Control of Your Lighting.

Bright Light Systems Nova FL (Flood/Area) 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 290 watts, the Nova FL dramatically reduces energy costs by almost 40% 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 40%
- Enhanced Color Recognition
- LED Lifetime L80 @ 100,000 Hours
- IP68 Rated LED Modules
- Wireless Lighting Control Ready
- Versatile optical packages
- Suitable for Wet Location
- 5-Year Limited Warranty

## Specifications

Light Source	5 High Brightness LED modules
Fixture Lumens	32,500
Power Consumption	290 Watts
Fixture Efficacy	112 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 Tenon/Yoke
Operating Temperature	-40°C to 40°C
Measurements	18.7"L x 17.8"W x 10.3"H
Weight	31 lbs (14.1 kg)
EPA (Windload)	.96 ft <sup>2</sup>
Warranty	5-Year Limited Warranty
Approvals	UL1598 Wet Location, DLC v4.0, CE

## Application



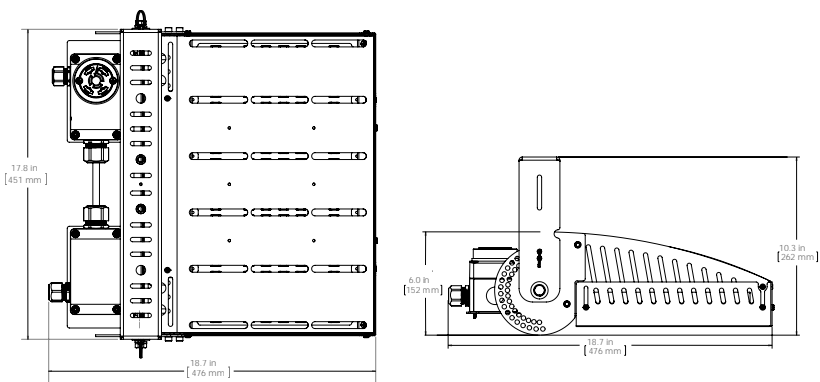
## Additional

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/yoke slip fitter for 2.375" (60mm) O.D. tenon or standard trunnion. Designed and manufactured in the USA.

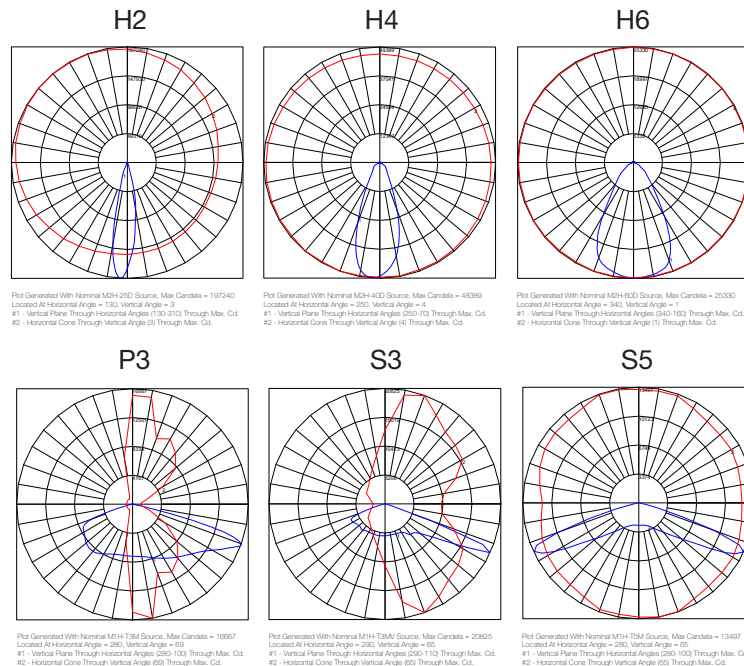


\*Specifications subject to change without notice  
\*Actual wattage may differ by +/- 8% when operating between 120V-480V

## Dimensions



## Photometrics



## Energy Efficiency

Light Source	400W HPS	NOVA FL LED
System Wattage	470W	290W
Daily Usage	12 Hrs	12 Hrs
Annual Energy Consumption	2058 kWh	1270 kWh
Cost per kWh	\$0.13	\$0.13
Annual Operating Cost	\$268	\$165
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	\$326	\$175
<b>Savings per Fixture</b>		<b>\$151</b>
Estimated Utility Rebate	N/A	\$39
Total Savings per Fixture	N/A	\$190
<b>Savings per Installation</b>	<b>500 units</b>	<b>\$95,000</b>

## Intelligently Controlled Lighting



\*Maintenance Cost includes Labor, Lift Expense, Ballast, Etc.

‡Rebate Based on \$0.05 per Annual kWh Saved, Utility Participation Varies

‡Use of BLMS Wireless Controller Increases Annual Energy Savings by 30%

## Ordering Information

Product	Modules (Flux)	Color	Distribution	Mount	Voltage	Options
<b>NOVAFL</b>	<b>L05</b> 32,500 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>P3</b> Medium, Asymmetric <b>S3</b> Forward Throw, Asymmetric <b>S5</b> Area, 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: NOVAFL-L05C740KS3T27</b>			Note: Wireless controller integrates with the Bright Light Management System (BLMS)			