

10 YEAR WARRANTY

800W-1200W

BUY AMERICAN ACT COMPLIANT



400W-600W



Not all products are qualified on the DLC® OPL. To view our DLC® qualified products, please consult the DLC® Qualified Products List at www.designlights.org/qpl.

POWERED BY
SYNAPSE

Project: _____

Prepared by: _____

Type: _____

Date: _____

400W (54,000 lm)
500W (67,500 lm)
600W (88,000 lm)
800W (108,000 lm)
1000W (135,000 lm)
1200W (162,000 lm)

ORDERING INFORMATION

Sample SKU: NOVA2-600-50-U-D-3-ID

Series	Wattage	CCT	Input Voltage	Controls	Distribution	Driver Option	CRI	BAA
NOVA2								BAA
NOVA2	400 - 400W 500 - 500W 600 - 600W 800 - 800W 1000 - 1000W 1200 - 1200W	40 - 4000K 50 - 5000K 57 - 5700K	U - 100-277VAC H - 277-480VAC	D - 0-10V Dimming Do - Non-Dimming D1 - SYNAPSE Wireless Control System DIM4-U - Dimulator 120-277VAC w/7 pin DIM4-H - Dimulator 480VAC w/7 pin	3 - NEMA3 (H2V3) 4 - NEMA4 (H4V4) 5 - NEMA5 (H5V6) 6 - NEMA6 (H6V6) 7 - NEMA7 (H7V6)	ID - Integrated Driver RD - Remote Driver†	70CRI - Standard 80CRI - Option 90CRI - Option	BAA

Accessories

- NOVA2-LG (Laser Guide)
- NOVA2-FO (Field Adjustable Lumen Output)
- IP65EM (Consult with Sales Representative for available emergency driver wattage)
- NOVA2-PW (Pre-Wire Connector)

*Specify the length for the DC cord (Cord between the driver to the LED module) for remote driver.
Max Length: 100'

*MOQ and longer lead times may apply, please contact customer service for more information.

TECHNICAL SPECIFICATIONS

CONSTRUCTION

IP/Enclosure Rating:
IP67 Enclosure/IK08 Impact/
3G Vibration Rating (Per ANSI/IEEE C136.31)

Operating Temperature:
-40°F-131°F

Housing:
A383 (ADC 12) die-cast aluminum

Driver Compartment:
Die-cast aluminum/NEMA4X enclosure

Optics:
Tempered glass diffuser and injection molded UV resistance PC modular optic

Wire Lead:
• 16/3, 10' SOW (600V)

ELECTRICAL

Input Voltage:
• 100-277VAC
• 277-480VAC

THD:
<20%

Power Factor:
>0.95

Surge Protection:
40kV/20kA:
Compliant With:
- ANSI C136.2-2015 Extreme
- ANSI C82.77-5-2015 High Exposure
- IEEE C62.41.2 Location Category C High Exposure

CONTROLS/DIMMING

- Non-Dimming
- 0-10V Dimming
- Dimulator Dimming Photocontrol
- SYNAPSE Wireless Control System

ENGINE & OPTICAL

Available NEMA Distribution:
NEMA3, NEMA4, NEMA5, NEMA6, NEMA7

CRI/TLCI:
• CRI>70 (Standard)
• CRI>80 (Optional)*
• CRI>90 (Optional)*
[TLCI is option available upon request]

Available CCT:
4000K, 5000K, 5700K

Projected L70:
>100,000 hrs

WARRANTY

10 Year Warranty
25 Year Warranty Option Available
See warranty documentation for more information.

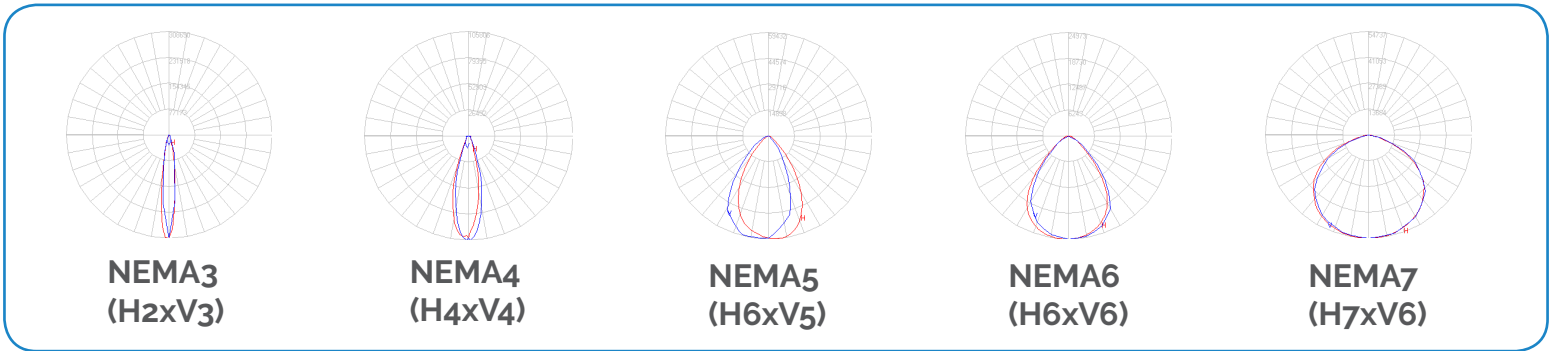
PERFORMANCE DATA

Wattage	400W	500W	600W	800W	1000W	1200W
Delivered Lumens	53400lm~63900lm	65000lm~75000lm	76700lm~88700lm	11300lm~118500lm	130900lm~139000lm	150000lm~159800lm
System Efficacy	UP to 135 lm/W					

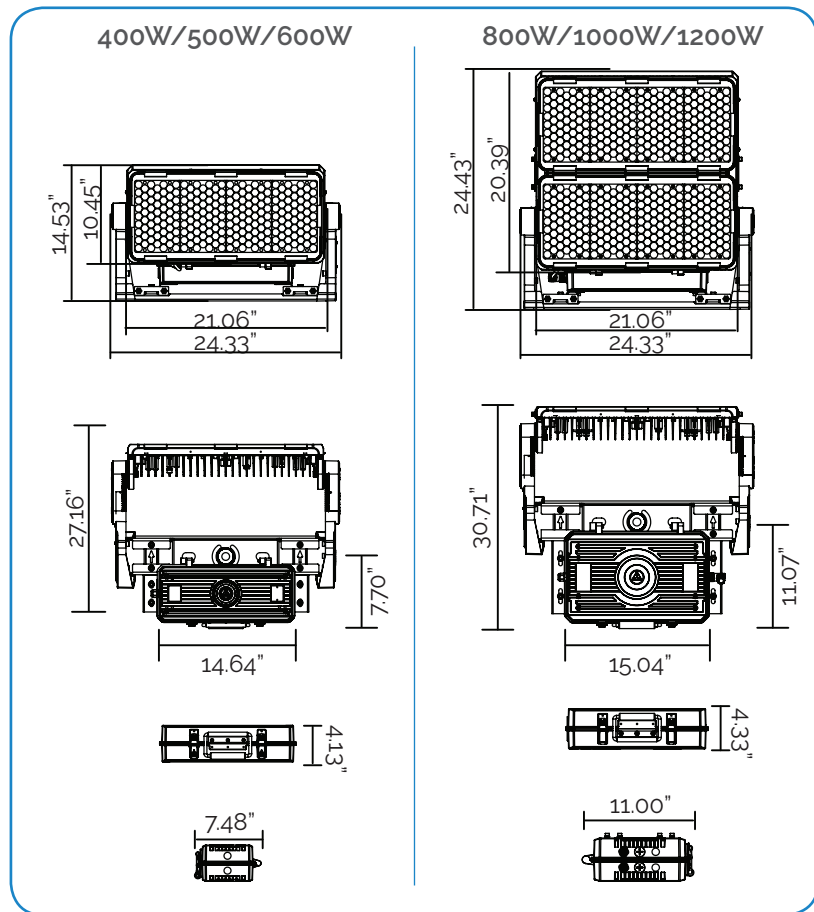
Typical delivered lumen data is approximate. Actual lumens may vary due to installation environment, NEMA Distribution, and CRI.
Please See IES Files

NEMA DISTRIBUTION

*IESNA LM-63 IES Available upon request



DIMENSIONS



ELECTRICAL LOAD

Wattage (W)	Input Voltage					
	120V	208V	240V	277V	347V	480V
400	3.3	1.9	1.7	1.4	1.5	0.83
500	4.2	2.4	2.1	1.8	2.0	1.1
600	5.0	2.9	2.5	2.1	2.4	1.25
800	6.7	3.8	3.3	2.9	3.3	1.7
1000	8.3	4.8	4.2	3.6	4.0	2.0
1200	10.0	5.8	5.0	4.3	4.9	2.5

EPA RATING (ft²)

Wattage (W)	Front	Side
400/500/600	1.90	0.52
800/1000/1200	3.60	0.75

Front (Visor Included) and Side (Visor Included); IDC (Drag Coefficient) = 1.21

WEIGHT (lbs)

Wattage (W)	Weight (lb.)	
	Housing + Bracket	Driver
400-600	31	12
800-1200	54	23

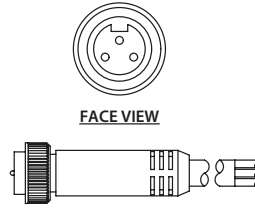
ACCESSORIES



Visor Hood
[Included]



Laser Guide
[NOVA2-LG]



Pre-Wire Connector
[NOVA2-PW]



IP65 Emergency
Battery Backup
[IP65EM]



7 Pin Receptacle &
Dimulator
[DIM4-U or DIM4-HI]

CONTROLS

Dimulator
Stand-Alone LED Dimming Photocontrol



Features

- Factory preset dimming - no selector switch
- 10 Year Warranty
- Compliant with ANSI C136.41 receptacle
- Optional constant all night dimming
- Adaptive lighting control with progressive intensities
- 40kV Surge Protection
- High voltage version available
- Advance time/date algorithm auto-adjusts for daylight savings
- Automatically synchronize to local time

Bat Eye Technology

- Advanced light sensor, only reacts to sunlight
- Immune to LED and other artificial light
- No false activation (no cycling)
- May be oriented in any direction



Patent #9210746

POWERED BY



- Future-Proof: Integral Wireless Access Node
- Adaptable Deployment – Offline or Cloud-Connected
- Web-Browser or App Based Management
- Multiple Zones, Behaviors, Events, and Schedules
- LTE Cellular Connectivity – No Internet Required
- Professional Commissioning and After-Sales Support



Integrated Node



Central Control Base
Station



WiFi or LAN Network
with browser base
control interface



Cloud Control with
Verizon 4G LTE
(Optional)