

Date:	
Project Name:	
Sku #:	

Nexus™ 2
High Mast



APPLICATIONS

Highways, Interchanges, Ports, Rail Yards, Container Yards, Parking Lots, Correction Facilities, Treatment Plants

FEATURES

- Construction**

 - A383 Die-cast Aluminum Alloy Housing
 - Per ANSI C136: 3G Vibration Rating
 - Internal Compartment Tool-Less Entry
 - Rotatable optic assembly provides alignment of asymmetric distributions to roadway.

Electrical & Technical

 - Input Voltage: 100-277V 200-480V [Option]
 - Input Frequency: 50/60Hz, 60Hz [480V]
 - Projected Life: L70 > 100,000 hrs
 - PF: >0.9
 - CRI: >70
 - THD: <20%
 - CCT: 3000K, 4000K, 5000K, 5700K
 - Operating Temp.: -40°F ~ 122°F
 - IP Rating: IP66 Enclosure
 - IK Rating: IK08
 - EPA Rating: 3.877 ft²
 - Surge Protection: 20kV/10kA [Standard]: [Compliant: ANSI C136.2-2015 Extreme & IEEE C62.41.2 Location Category C High Exposure]

Controls

 - 0-10V Dimming [Standard]
 - Twistlock Photocell [Option]
 - 7 Pin Twist Lock SYNAPSE Wireless Control System (TL7-HVG) [Option]

Lumen Output

 - See Page 2
- Finish**

 - Gray [Powder Coating]:
 - Per ASTM D1654: Scribe Creepage Rating Of 10
 - Per ASTM B117: After 1,000 Hours Exposure To Salt Fog Chamber

Optical

 - Prismatic PC [Standard]
 - Glass Optics [Option]
 - Distribution Type:
 - Type II
 - Type III
 - Type IV
 - Type V

Installation/Mounting

 - Four bolt horizontal arm mount with +/- 5° vertical adjustment.
 - Mast arm mount is adjustable for arms from 1-5/8" ~ 2-3/8".

Warranty

 - 5 Year Warranty
 - See warranty documentation for more information.

POWERED BY

SYNAPSE

IP66 FIXTURE

IK08

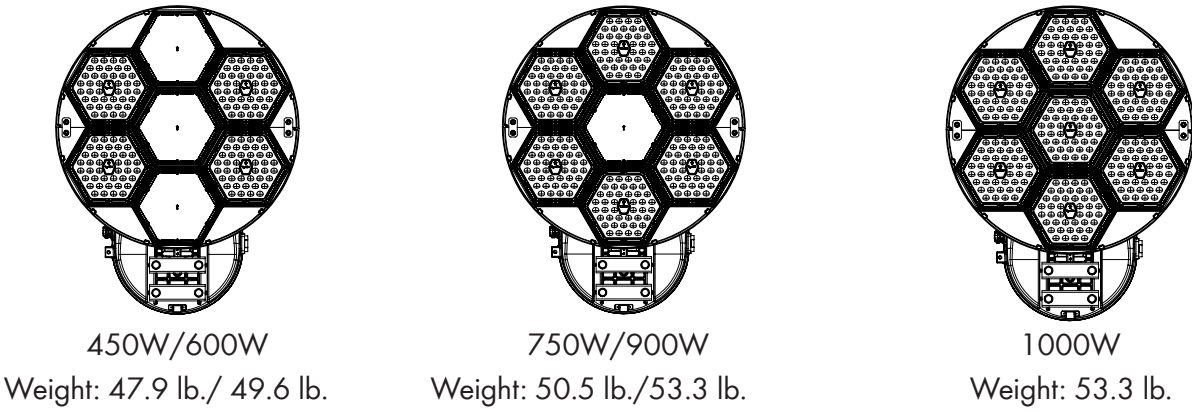
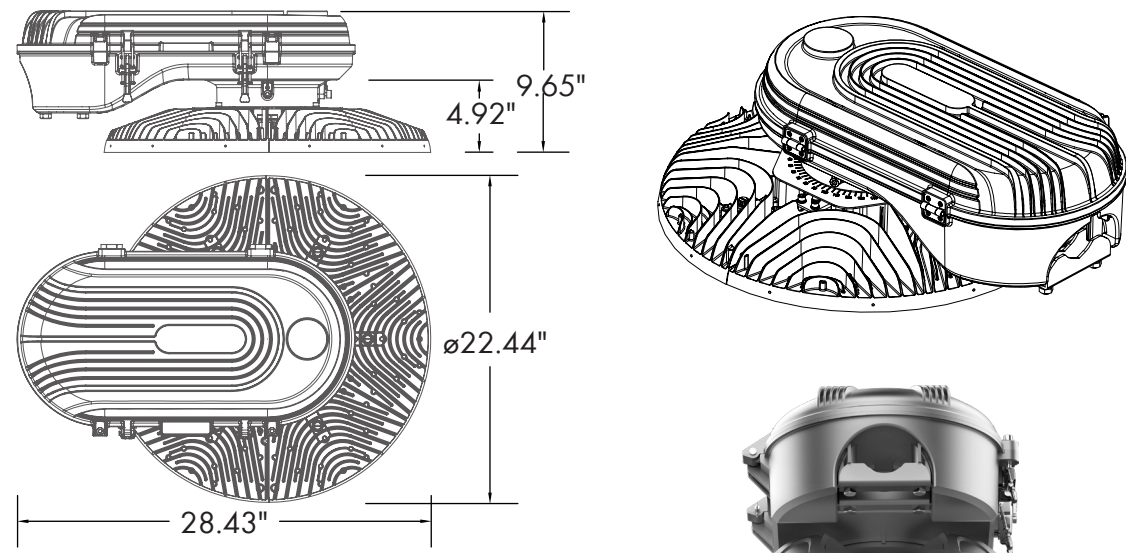
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ORDERING INFORMATION

EXAMPLE: NEX2-450-40-U-D-4

NEX2						
Series	Wattage	CCT	Input Voltage	Controls Option	Distribution	Optic Options
NEX2	450 - 450W 600 - 600W 750 - 750W 900 - 900W 1000 - 1000W	30 - 3000K 40 - 4000K 50 - 5000K 57 - 5700K	U - 100-277V H - 200-480V	D - 0-10V Dimming (Standard) D1 - SYNAPSE Wireless Control System P7P - 7 pin Receptacle with On/Off Photocell P7S - 7 pin Receptacle with Short Cap	2 - Type II 3 - Type III 4 - Type IV 5 - Type V	PC Optic (Standard) G - Glass Optic

DIMENSIONS



LUMEN OUTPUT

Request IES files for B.U.G. Rating*				LM79 & LM80 Available upon request*	
SKU	Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)		
NEX2-450-57-U-D	450	69750	155		
NEX2-600-57-U-D	600	87000	145		
NEX2-750-57-U-D	750	112500	150		
NEX2-900-57-U-D	900	126000	140		
NEX2-1000-57-U-D	1000	140000	140		

ELECTRICAL LOAD

Wattage (W)	Current (A)					
	120V	208V	240V	277V	347V	480V
Input Voltage						
450	3.75	2.16	1.87	1.62	1.29	0.93
600	5.00	2.88	2.50	2.16	1.72	1.25
750	6.25	3.60	3.12	2.84	2.70	1.56
900	7.50	4.32	3.75	3.24	2.59	1.87
1000	8.33	4.90	4.16	3.61	2.88	2.08

ACCESSORIES



Prismatic PC Lens
[Standard]



Glass Optic
[Option]
[G]



7 pin Receptacle with
On/Off Photocell
[P7P]



Twist-lock SYNAPSE
Wireless Control System
[TL7-HVG (110-480VAC)]
[D1]

WIRELESS CONTROL SYSTEM

POWERED BY

SYNAPSE



Utility grade power monitoring.
WiFi Mesh Receiver Nodes.
Communication range is up to 1 mile line of sight.
Control dimming and On/Off.
Secure, over-the-air software upgrades.



- Manual/Remote/Web access to Nodes.
- Control up to 1000 Nodes.
- Weather protected.
- Optional, pre-configured 5 button switch to allow for control of all lighting (Central Base Station only).



Central Control
Base Station
(Optional)

or



SimplySnap Controller



WiFi or LAN Network
with
browser based
control interface



Optional Cloud Control
with Verizon 4G LTE