

# RAPTOR

High Output Floodlight



**Applications:** Sporting arenas, sports fields, gymnasiums, field houses, high mast lighting, airports

## PERFORMANCE SUMMARY

The Raptor High Output Flood luminaire blends extreme optical control, advanced thermal management and clean aesthetics.

Built for versatility, the Raptor is a unique and flexible system, comprised of self-contained modular elements, allowing variability in both lumen output and light distributions.

The Raptor can be specified in nine- 200 watt module configurations capable of replacing up to 2000W metal halide fixture

## Construction

- Patent design trim lock enables quick and easy adjustment for each row of modules and 270° pivot base plate with integrated arm
- Cold forged high purity aluminum with heat sinking across the full module, enabling a long fixture life (IP67)
- Finished in polyester powder coat process withstanding extreme weather while providing optimal color and gloss retention
- Modular housing design — up to nine modules can be combined on one fixture

## Electrical

- 100-277VAC or 480VAC
- Average rated life L70/L90: >100,000H/>60,000H
- 4kV standard surge protection; 20kV optional
- Zero interference circuitry eliminates electromagnetic disturbances
- Wireless communication enabled for remote monitoring, control and maintenance
- Operating Temperature: -40°F to 122°F
- 0-10V dimming

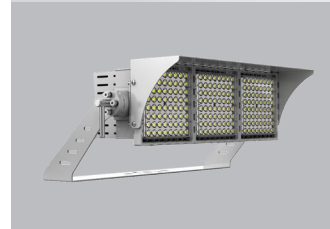
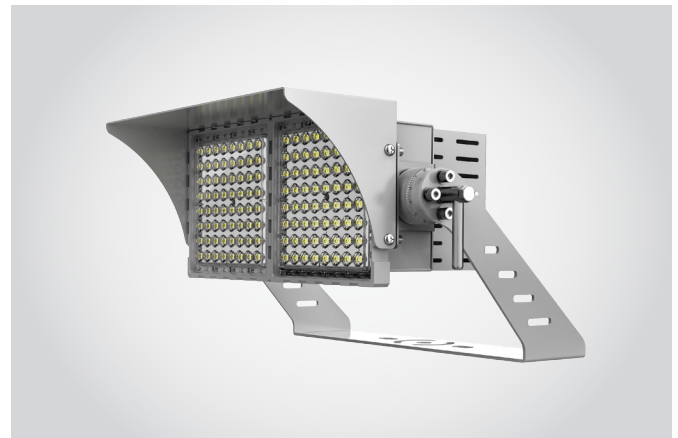
## PRODUCT CODE

Example Raptor 120 cat. 400.N2.40.BL.TM.0

Model No	Wattage (W)	Distribution	Color Temp	Finish	Accessories	Control
Raptor 120	400 - 400W/56,000L	N2 - Nema 2	40 - 4,000K	BL - Black	YK - Yoke <sup>1</sup>	AL - Airlink
120-277V	480 - 480W/63,000L	N3 - Nema 3	50 - 5,000K	GR - Gray	LG - Laser Guidance	0 - None
Raptor 480	600 - 600W/84,000L	N4 - Nema 4	57 - 5,700K		SPD - 20kV Surge Protection Device	
480V	800 - 800W/112,000L	N5 - Nema 5			VS - Visor	
	1000 - 1000W/140,000L	N6 - Nema 6				
	1200 - 1200W/168,000L	P45 - 30°x100°				
	1500 - 1500W/210,000L					
	1800 - 1800W/252,000L					

## NOTES

<sup>1</sup>Standard mounting configuration



## Specification

Lumen Package	56,000 - 252,000
Wattage Range	400 - 1,800
Efficacy	140
Weight lbs (kg)	27.6 (12.5) - 101.4 (46.0)

## Optical

- Each Raptor flood fixture can be configured in NEMA 2/3/4/5/6
- Flicker free output suitable for broadcast
- 140lm/W



# RAPTOR

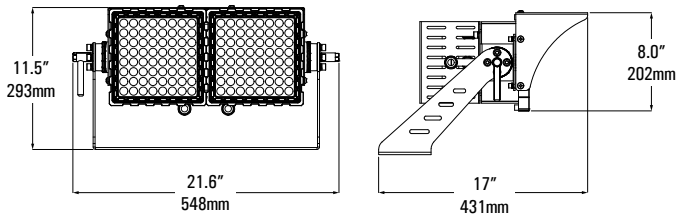
High Output Floodlight

## EPA DATA

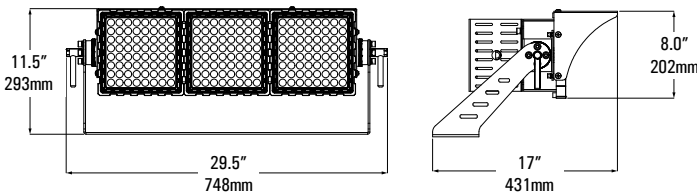
Module Count	System Watts	Weight	EPA
1x2	400/480	27.6 lbs. (12.5kg)	1.04
1x3	600	38.6 lbs. (17.5kg)	1.55
2x2	800	57.3 lbs. (26.0kg)	2.08
2x3	1,000	74.5 lbs. (33.8kg)	3.12
2x3	1,200	78.0 lbs. (35.4kg)	3.12
3x3	1,500	96.0 lbs. (43.5kg)	4.68
3x3	1,800	101.4 lbs. (46.0kg)	4.68

## DIMENSIONS

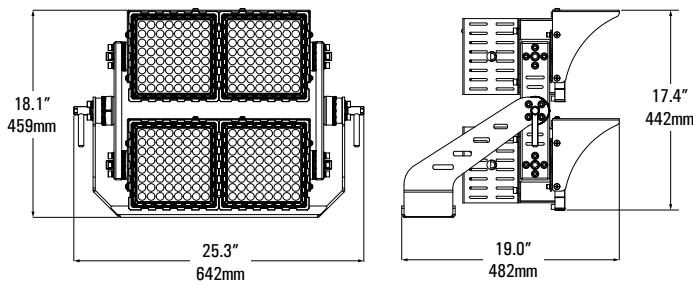
### 400/480W



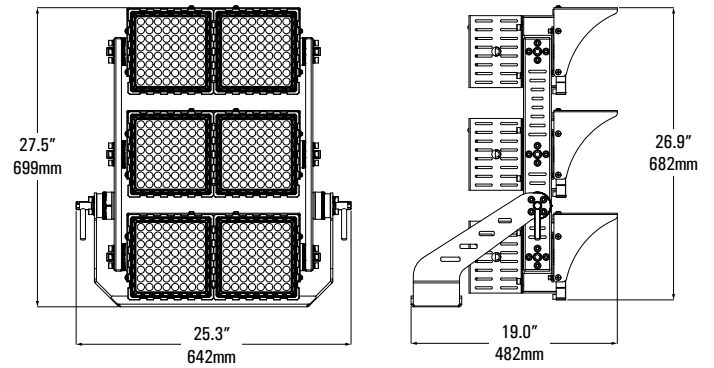
### 600W



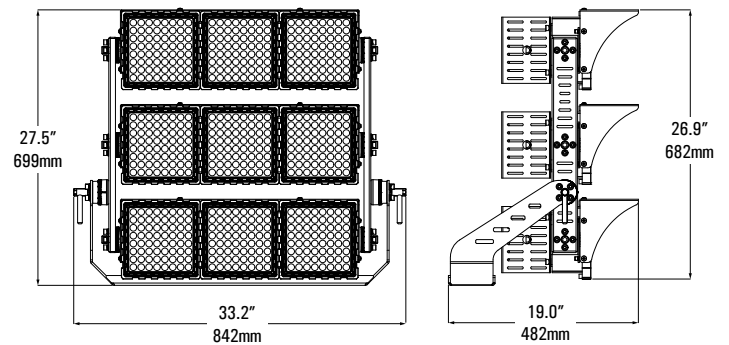
### 800W



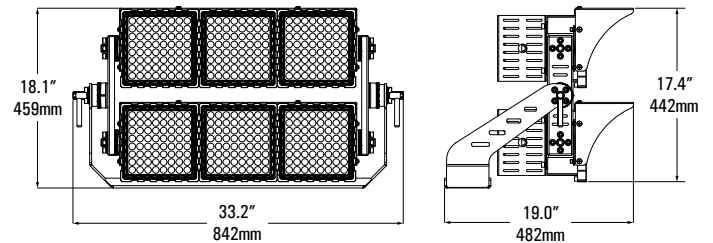
### 1000/1200W



### 1500/1800W



### 1000/1200W



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## PERFORMANCE

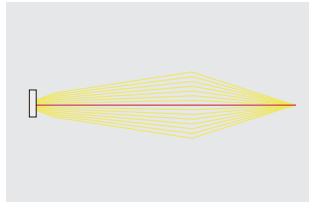
System Watts	120V	208V	240V	277V	347V	480V
400	3.50A	2.02A	1.75A	1.52A	1.21A	0.88A
480	4.20A	2.42A	2.10A	1.82A	1.45A	1.05A
600	5.25A	3.03A	2.63A	2.72A	1.82A	1.31A
800	7.00A	4.04A	3.50A	3.03A	2.42A	1.75A
1000	8.75A	5.05A	4.38A	3.79A	3.03A	2.19A
1200	10.50A	6.06A	5.25A	4.55A	3.63A	2.63A
1500	13.13A	7.57A	6.56A	5.69A	4.54A	3.28A
1800	15.75A	9.09A	7.88A	6.82A	5.45A	3.94A

## DISTRIBUTION

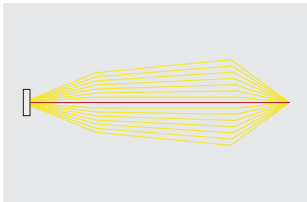
### Nema 2



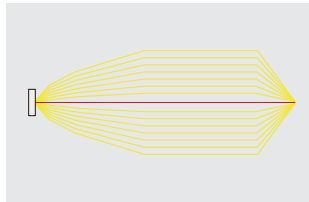
### Nema 3



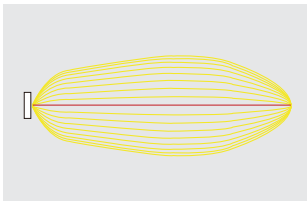
### Nema 4



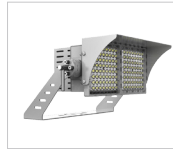
### Nema 5



### Nema 6



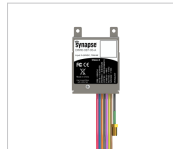
## ACCESSORIES



**YK**  
Yoke



**LG**  
Laser Guided  
Aiming



**AL**  
Airlink

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The AirLink enabled by Synapse Wireless Lighting Control System is the perfect solution for commercial, industrial and municipal applications, such as: auto dealerships, parking lots, garages, shopping complexes and warehouses.

AirLink utilizes robust wireless communication via 2.4 GHz Self-Healing Mesh Network which not only increases reliability and accuracy of system, but also eliminates single point of failure.

The flexibility of the system make it perfect for new construction and retrofit projects. The user-friendly AirLink web application is accessible through any device with an internet connection and allows for complete customization of the system's features.

Some capabilities of the system include: occupancy/vacancy sensing, daylight harvesting, scheduling, high-end trim, dimming, zone control, BMS integration and energy monitoring.

## The AirLink System

### Wireless controls & sensors



Wireless & Override Switches



Occupancy/Vacancy & Daylight Sensors



AirLink-integrated Fixtures



AirLink-compatible Fixtures



Circuit & Zone Controllers

### Centralized control & integration



Site Manager Controller

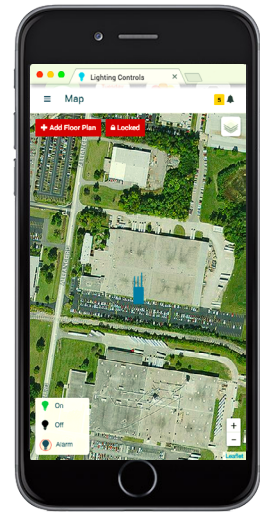


Gateway Module



WiFi, Cellular or Ethernet Connection

### Simple-to-use software



AirLink Site Manger: Lighting control web app

