



GMR2 Series Sports Light

APPLICATIONS

The ORE GMR2 Square Court Light features a distinct square housing design compared to traditional round court lights, making it especially suitable for stadium and court applications with higher lighting performance requirements. Engineered with precision-designed optics, GMR2 delivers high lumen output and exceptional efficiency, providing uniform and effective illumination across the entire playing area. The optimized optical system ensures balanced light distribution in all directions, enhancing visual comfort while minimizing glare.

GMR2 supports two flexible installation configurations: power-in-fixture (integral driver) and remote driver installation. This dual-mount capability maximizes installation adaptability, simplifies maintenance, and offers a cost-effective solution without compromising performance, making GMR2 an ideal choice for demanding sports and stadium lighting applications



GMR2 600W



GMR2 850W & 1200W

ORDERING INFORMATION

EXAMPLE: **GMR2 600 N4 57K BK HVU TB**

Series	Watts	Distribution	CCT	Finish	Voltage	Mounting	Options
GMR2	600 - 600W	N3 = Nema 3	50K - 5000K	BK	HVU	TB	LAS
	850 - 850W	N4 = Nema 4	57K - 5700K	Black	200-480V	Trunnion Mount (Default)	Laser Aiming Guide (Default)
	1200 - 1200W					TAP Tenon Adaptor for transform trunnion mount to a 2 3/8" tenon SBM Square beam mounting bracket to cross arm without drilling on the arm	BTV Black Top Visor (Default) IWC Synapse Wireless Lighting Control PMR Power box mounting rail

Mounting Accessories



Tenon Adaptor



Power Box Mounting Rail



Square Beam Mounting Bracket

Accessories



Laser Aiming Guide



Black top visor



Synapse Wireless Control

Houston, Texas

Sales@orelighting.com

346-874-7955

www.orelighting.com

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SPECIFICATIONS

HOUSING

Solid-state die-cast aluminum housing with heat-dissipating fins. Housing is completely sealed against moisture and environmental contaminants. Provides maintenance-free operation for more than 10 years

ELECTRICAL

Ultra-wide input voltage: 200-480VAC
Standard with 0-10V dimming driver

SURGE PROTECTION

Built-in surge suppression with a max of 40KV

AMBINET TEMPERATURE

Suitable for use in -40°F to 131°F (-40°C to 55°C)

LIFESPAN

100,000 – hour LED lifespan based on IES LM-80 result and TM-21 calculations.

CCT & CRI

CCT available 5000K and 5700K; 80 / 90 CRI

LUMENS

Lumen package from 72,000 - 180,000 LM

EFFICACY

Up to 153 lumens per watt

EPA RATE

Small Size = 1.82
Large Size = 3.38

MOUNTING

Trunnion mounts and optional brackets accommodate a variety of mounting methods.

FINISH

Polyester Powder finish for superior corrosion resistance and maximum durability.

OPTICS

Available in NEMA 3Hx3V and 4Hx4V distributions. Custom-engineered optics direct light precisely while reducing glare. Maximizing efficiency and application spacing.

IP RATING

Ingress Protection rating of IP65 for dust and water

GREEN TECHNOLOGY

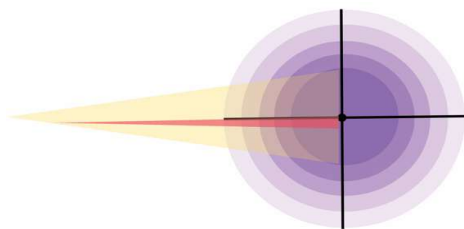
Mercury and UV-free. Polyester powder coat finish formulated without the use of VOCs or toxic heavy metals

WARRANTY

10 year limited warranty. Comprehensive warranty terms can be located on www.orelighting.com

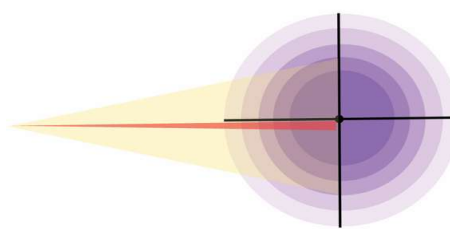
PHOTOMETRICS

NEMA 3 - 3H x 3V



The NEMA 3 is engineered to precisely control the light beam, ensuring efficient light distribution and minimizing light spillage. This results in uniform illumination and reduces glare and shadows on the playing field.

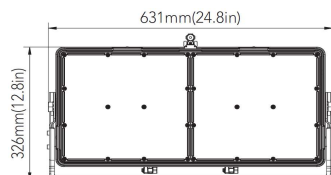
NEMA 4 - 4H x 4V



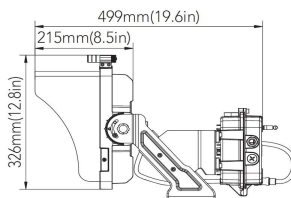
The NEMA 4 is a middle-range optic for spotlights and is suitable for sports lighting projects. It has a larger spread than the previous light; however, it doesn't push the light quite as far and has a more even spread when put on a surface.

DIMENSIONS

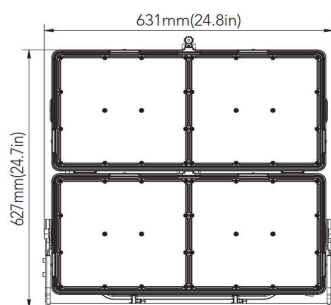
unit: mm / inch



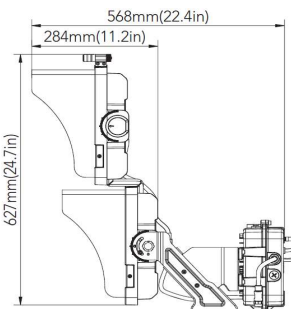
GMR2 600W



Small Size
WEIGHT: 35.2 lbs
EPA: 1.82

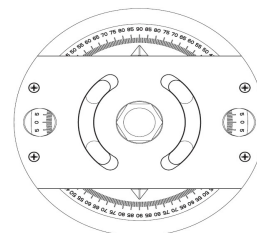
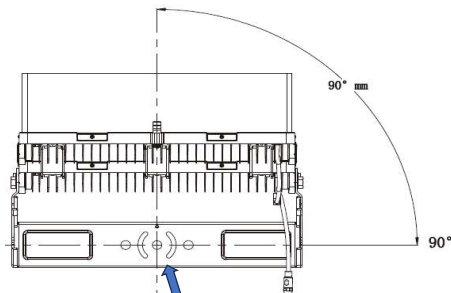


GMR2 850W & 1200W



Large Size
WEIGHT: 59.5 lbs
EPA: 3.38

ADJUSTING TILT



Horizontal aiming protractor

Aiming Sight

Default accessory to easily position the fixture and determine where to aim the light on the field

Standard Visor

Further reduce spill light and sky glow while maintaining excellent light levels on the field

Perfect visibility

Advanced technology to get high efficacy and less glare optic performance

Optics

Precision optical lenses place light on target with excellent control.
Five NEMA options are also available



Rugged cast aluminum housing

Designed with thermal management to maximize heat dissipation

Low power consumption & long lifespan

up to 100,000-hour

Full power

600-1200W with 153lm/w

Extension Cords

Allow the use of scientifically calculated fixture extension cords for external drive solutions

Simplified maintenance planning

Power box removable for easy installation

Houston, Texas

Sales@orelighting.com

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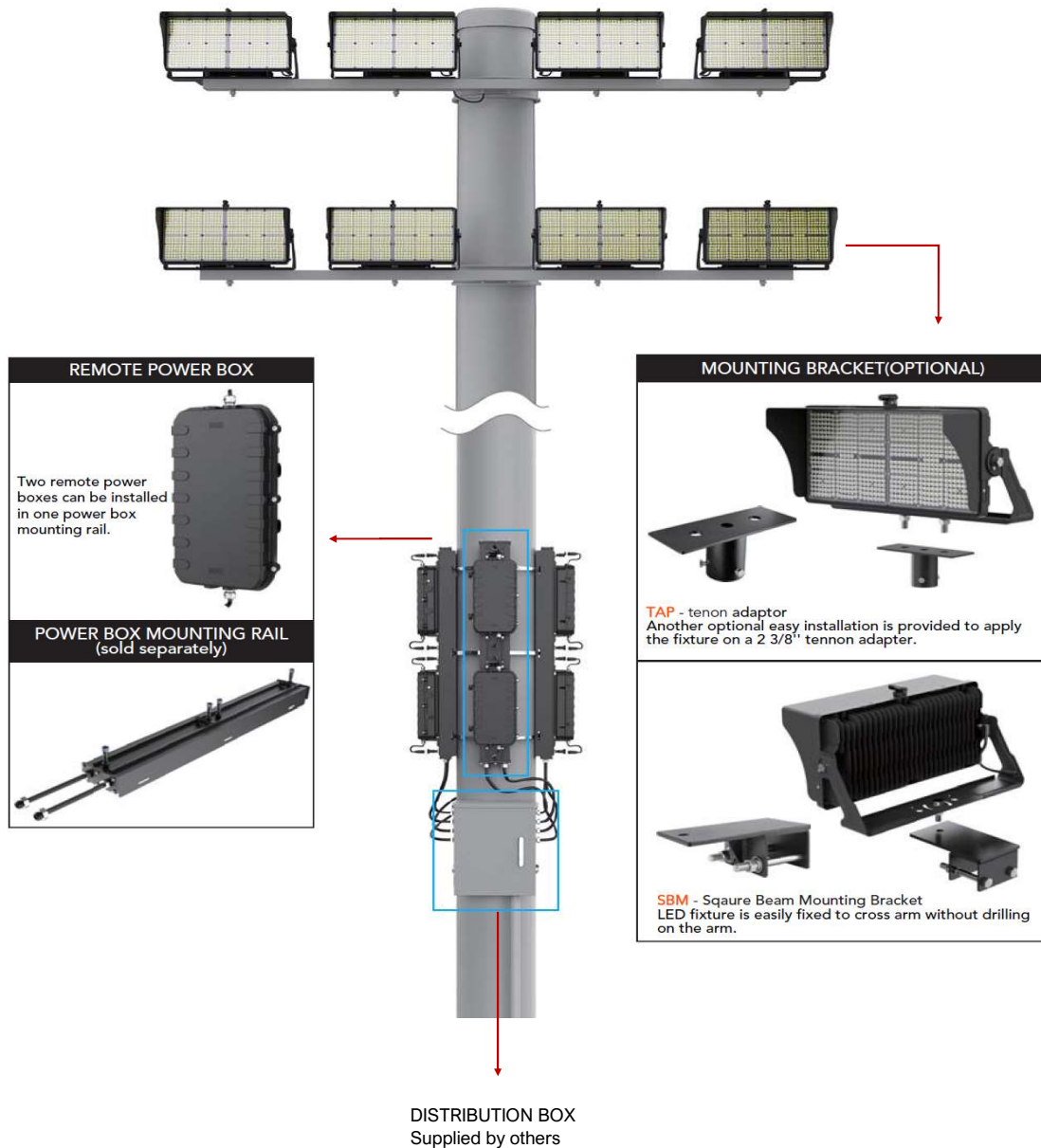
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REMOTE POWER BOX (OPTIONAL)

The GMR2 supports remote installation of the drive power - simple installation, access and maintenance of the equipment can be met by placing the drive power of the fixture at the bottom of the pole by using a fixture and extension power cord (sold separately).



POWER BOX ATTACHED (OPTIONAL)

The fixture with separate power can be installed on the top of the light pole as a whole unit, which is simple and fast way, without additional labor costs to install the driver. It is also beneficial to reduce the power consumption of fixtures caused by remote wiring, save energy and improve efficiency.



Easy Installation Modular Structure



PERFORMANCE DATA

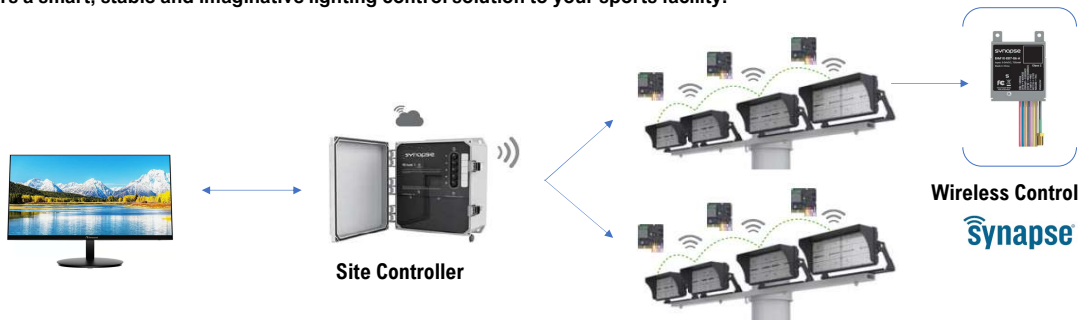
						5000K		5700K	
PART NUMBER	WATTAGE	NEMA	VOLTAGE	EPA	CRI	LUMENS	LPS	LUMENS	LPW
GMR2	600W	3Hx3V	200-480V	1.82	70+	92,074	153 lm/W	91,678	152 lm/W
		4Hx4V				92,124	153 lm/W	91,842	152 lm/W
	850W	3Hx3V		3.38		125,056	152 lm/W	124,978	151 lm/W
		4Hx4V				125,143	152 lm/W	124,992	151 lm/W
	1200W	3Hx3V		3.38		180,063	151 lm/W	180,016	150 lm/W
		4Hx4V				180,113	151 lm/W	180,057	150 lm/W

ELECTRICAL LOAD

WATTAGE	Current (A)					
	120V	208V	240V	277V	347V	480V
600W	N/A	2.88	2.50	2.17	1.73	1.25
850W	N/A	4.09	3.54	3.07	2.45	1.77
1200W	N/A	5.77	5.00	4.33	3.46	2.50

INTEGRATED CONTROLS

The fixture is compatible with Synapse™ wireless control system, including RGB sports lighting. It offers a smart, stable and imaginative lighting control solution to your sports facility.



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