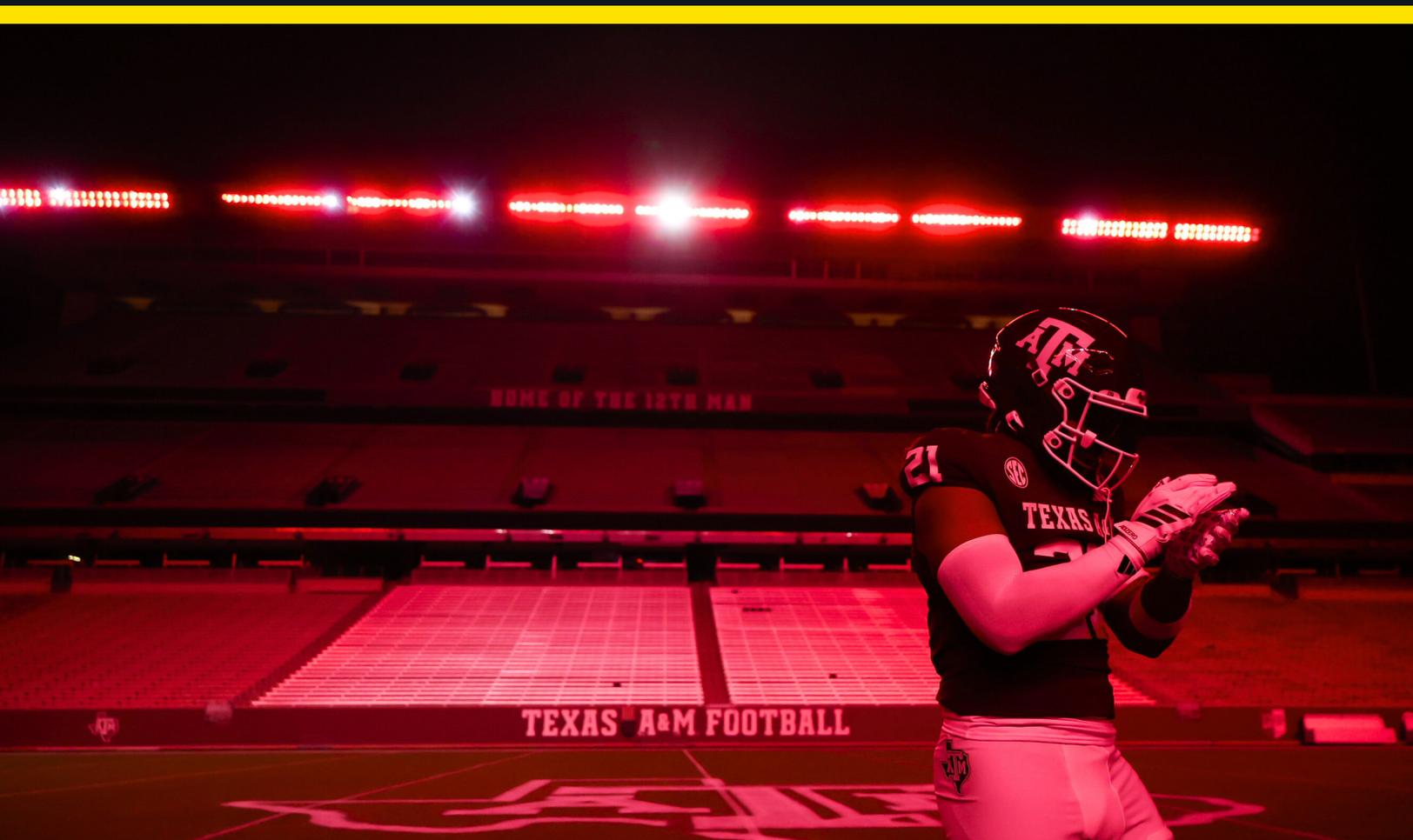


AUSTIN ★ TEXAS

SPORTSBEAMS

MOST ADVANCED LED LIGHTING IN THE WORLD



SPORTSBEAMS

AUSTIN ★ TEXAS

Sportsbeams is a technology company, headquartered in Texas, that has been designing, engineering and manufacturing the most advanced LED lighting fixtures available since 2007.

Starting with studio lighting under the name of Lite Panels, our team of LED experts brought some of the very first LED lighting products to market, even earning two Emmy awards for our efforts.

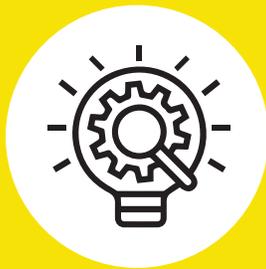
We started product development in 2014, concentrating on features we knew from our years of manufacturing experience were essential for an outdoor LED lighting product. We prioritized active heat management, zero plastics and a power supply that lasts twice as long as the LEDs themselves.

From lighting NFL stadiums to high school baseball fields to railway yards, our years of lighting experience has proven that our fixtures are the most advanced and reliable high-power LED lighting on the market today.



PATENTS & CERTIFICATIONS

Sportsbeams owns several patents and has dozens of certifications that illustrate just how truly advanced and reliable our technology is.



RESEARCH & DEVELOPMENT

Our passion and dedication for LED lighting shows in our extensive on-going research and development. We invest heavily into developing better and more innovative LED lighting that will continue to set new standards in the industry.



MANUFACTURING FACILITY

Sportsbeams owns and operates our own manufacturing facility. We've been manufacturing for world-class technology companies for nearly three decades. No other sports lighting company has our breadth of manufacturing experience. And it shows in every light we make.



INSTALLATION PARTNERS

We have a team of installers around the country that we utilize to ensure the best installations possible. In addition to providing on and off site support to these installers, Sportsbeams ensures that each job is commissioned and in perfect working order.



ORBIT NOVA SERIES 1

- 42,000+ lumens
- 100W input / 48 DC to LED
- Tunable color from 1800K to 10000K
- Full RGB
- Direct DMX controllable



ORBIT CHROMABEAMS SERIES 2

- 42,000+ lumens
- 200W input / 48 DC to LED
- Tunable color from 1800K to 10000K
- Full RGB
- Direct DMX controllable



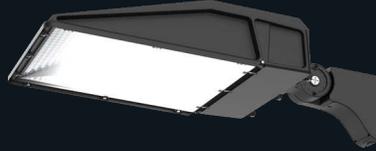
ORBIT CHROMABEAMS SERIES 3

- 42,000+ lumens
- 300W input / 48 DC to LED
- Tunable color from 1800K to 10000K
- Full RGB
- Direct DMX controllable
- Shown with IK-10 cage



ORBIT CHROMABEAMS SERIES 5

- 57,775+ lumens
- 500W input / 48 DC to LED
- Tunable color from 1800K to 10000K
- Full RGB
- Direct DMX controllable



COURT 500

- 66,000+ lumens
- 550W input / 48 DC to LED
- 5700K
- CRI up to 82



PULSAR SERIES 1 & 2

- 13° & 25° beam angles
- 700W & 1000W input / 48V DC to LED
- Tunable color from 1800K to 10000K
- Full RGB
- Direct DMX controllable
- TLCI & CRI up to 97



NOVA CHROMABEAMS

- 131,000+ lumens
- 1000W input / 48V DC to LED
- Tunable color from 1800K to 10000K
- Full RGB
- Direct DMX controllable
- TLCI & CRI up to 97



SUPERNOVA CHROMABEAMS

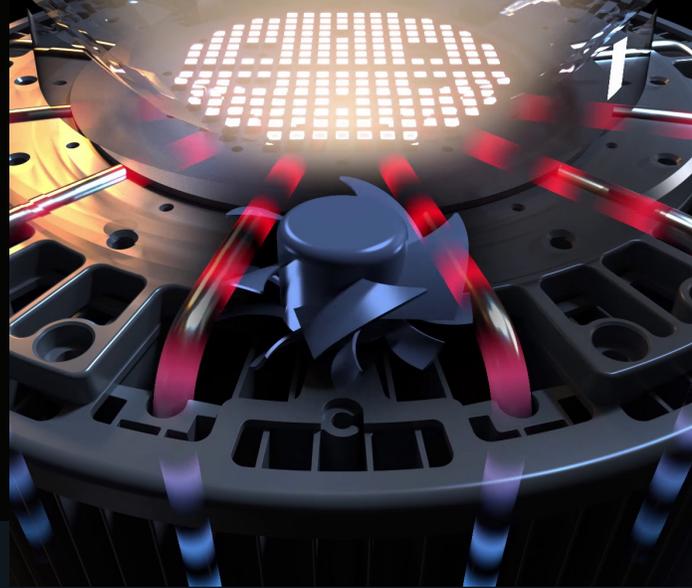
- 187,000+ lumens
- 1500W input / 51 DC to LED
- Tunable color from 1800K to 10000K
- Full RGB
- Direct DMX controllable
- TLCI & CRI up to 97



ULTRANOVA CHROMABEAMS

- 268,000+ lumens
- 2200W input / 51 DC to LED
- Tunable color from 1800K to 10000K
- Full RGB
- Direct DMX controllable
- TLCI & CRI up to 97

KEEPING IT COOL



Sportbeams manufactures very powerful lights. With active cooling, we are able to increase the lifespan of the fixtures, significantly reduce weight, allow the fixtures to be mounted at any angle, and increase its ambient temperature range.

Sportsbeams' patented, closed-loop fan-cooled fixtures ensures that our fixtures outlast and outperform every other fixture on the market today. It uses the same type of exterior-rated fans that have been used in telecom, traffic, and industrial control systems, 24/7, for years and has a 490,000 hour proven meantime between failure rate.



CONSTANT TEMPERATURE

Our intelligent active cooling maintains consistent temperature for the LEDs and circuit board.



OVER 490,000 HOURS MTBF

Our fans have been on the market for decades and have a proven MTBF rate of over 490,000 hours.



OVER 40% WEIGHT REDUCTION

No big hunk of metal weighing our fixture down. That means little modification to existing structures.



WIDER OPERATING RANGE

Active cooling allows our fixture to operate in a wider range of environments, from extreme heat to bone-chilling cold.



AIM IN ANY DIRECTION

A passive heatsink must be aimed in a specific direction for airflow. Our lights operate in any direction for maximum versatility.



MONITORING INTELLIGENCE

Our built-in intelligent system monitors and logs fan speed, operating temperature and much more.

HOW IT WORKS

- AMBIENT AIR IS DRAWN IN

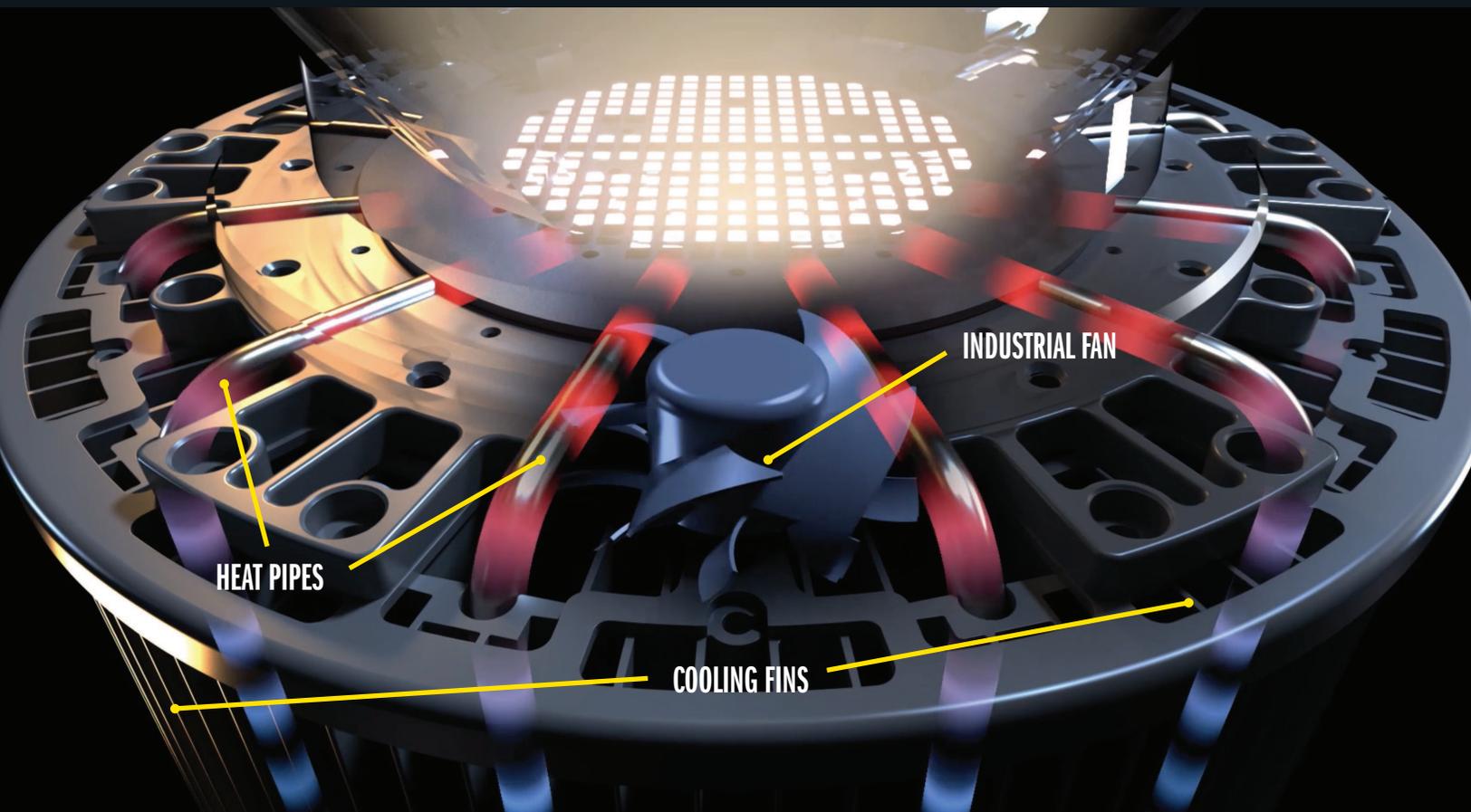
The fan in the rear is intelligently controlled to pull ambient air in at a rate that maintains consistent temperature. If it's colder outside, it spins slower. If it is warmer, it moves faster.

- FINS DRAW OUT HEAT

Heat from the light and drivers flow to the fins. Air drawn in from the fan blows the hot air out of the fixture.

- CONTINUOUS COOLING

And on it goes. Sometimes air is flowing fast and sometimes slow. But all the sensitive components are kept at an optimal 100° C.



SAY GOODBYE TO PLASTIC



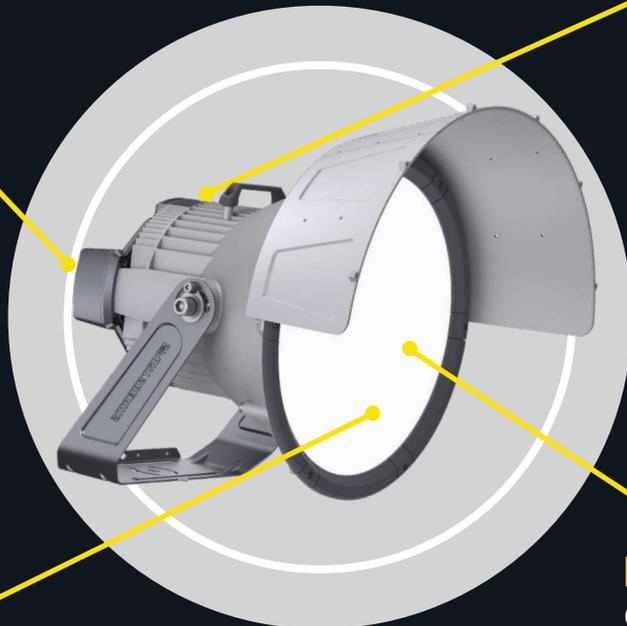
Plastic fails.

This is why all of Sportsbeams' lights are housed in full die-cast aluminum and have no plastic in them. By completely eliminating plastic from not only the light path, but even in the housing, we've ensured that our light fixtures will truly last in all weather conditions for years to come.

Sportsbeams is the only company in the entire industry that does this. Our lights are rugged, and are built to withstand harsh wind, sun, and rain.

NO PLASTIC IN DRIVERS

Our drivers are also encased in custom aluminum die-cast housing with precisely engineered heat fins.



NO PLASTIC IN HOUSING

All of our lights are in custom aluminum die-cast housing that are built to last.

NO PLASTIC TIR LENSES

We don't cover our LEDs in individual plastic lenses.

NO PLASTICS IN LIGHT PATH

Our fixtures are always designed with a single-optic LED light engine with a tempered glass lens and use zero plastic lenses.

GLASS SINGLE OPTIC



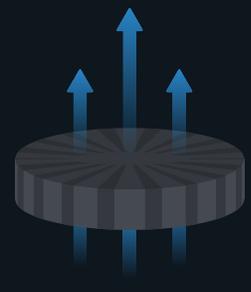
Glare problems? Sportsbeams took a completely different design approach to address this issue. With over a decade of LED design experience in the movie industry, we knew that eliminating glare had to be a top priority.

Our design incorporates a broad, single glass lens to provide a much more uniform lumen density of 346 lumens/sq. in. This design distributes light evenly over 50,000x the area of each individual LED light source, maximizing both the emitting area of luminaries and uniformly redistributing the originating ultra-bright points of LEDs. This greatly reduces the amount of glare.

Getting bright light from a sports lighting fixture is relatively easy. Designing a fixture that utilizes that light without producing unacceptable levels of glare is physically impossible without incorporating our patented design. This design, in conjunction with numerous other features, makes Sportsbeams fixtures the absolute best choice for all high-power lighting needs.

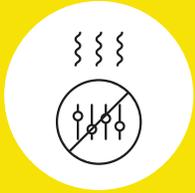


We bunch bare LEDs tightly together and don't cover them with small, plastic lenses.



We have developed the most advanced LED cooling technology on the market.

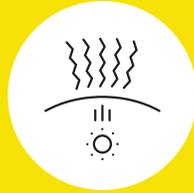
OTHER LED FIXTURES



Other light fixtures cannot control the heat, so they have to separate the LEDs.



When LEDs are separated, their light can only be controlled by individual plastic lenses.

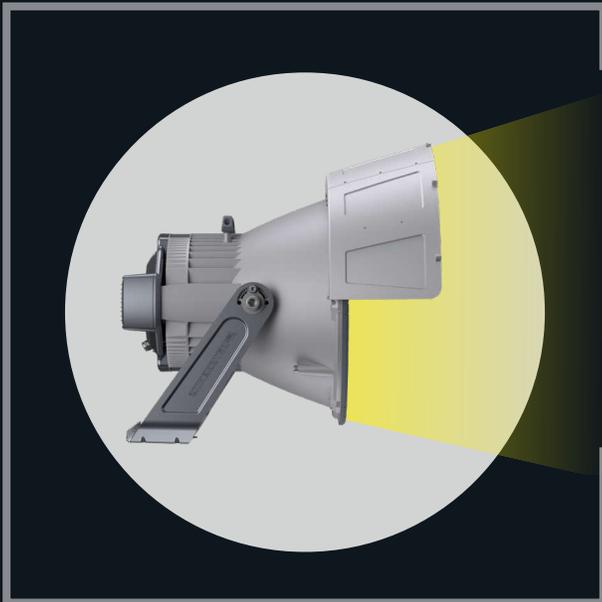


Light is forced through plastic that traps heat from the LEDs while also warping and cracking in sunlight.



Glare is the inevitable result of light and dark spots due to LED separation and forcing too much light through warped and cracked plastic lenses.

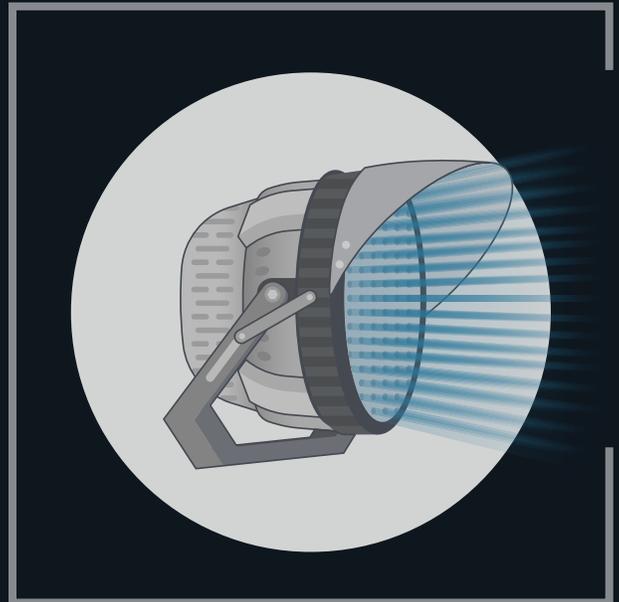
SPORTSBEAMS SINGLE OPTICS



Uniform
Single-Point LED
Distribution

with 346
Lumens
/ sq. in

OTHER SPORTS LIGHTING FIXTURES



Ultra Bright
Multiple-Points
of LEDs

with 1275
Lumens
/ sq. in

NO MORE DEAD ZONES



Asymmetrical Lighting from wedge-shaped fixtures is wrong for every sport aside from tennis and pickleball. Players quickly lose sight of the ball in the dark, because sports are played in a 3D environment. To combat this, some companies aim a light straight up into the sky and label it as ground-breaking "technology". Not only is this an inefficient method, but it also cannot be dark-sky friendly.

Unless the goal is to only light a 2D surface like roads, symmetrical lighting provides a far better area light. This provides the horizontal foot candles needed, and the vertical foot candles for athletes to see the ball in the air.

Today's facility managers have a number of requirements placed upon them:

1. They must provide great lighting for the athletes
2. Make it comfortable for the fans
3. Make their fields as dark-sky friendly as possible

SYMMETRICAL LIGHTING

WHAT IS IT?

Symmetrical lighting creates a beam of light where the horizontal and vertical axes are equal.

WHY IT'S THE ONLY CHOICE FOR SPORTS

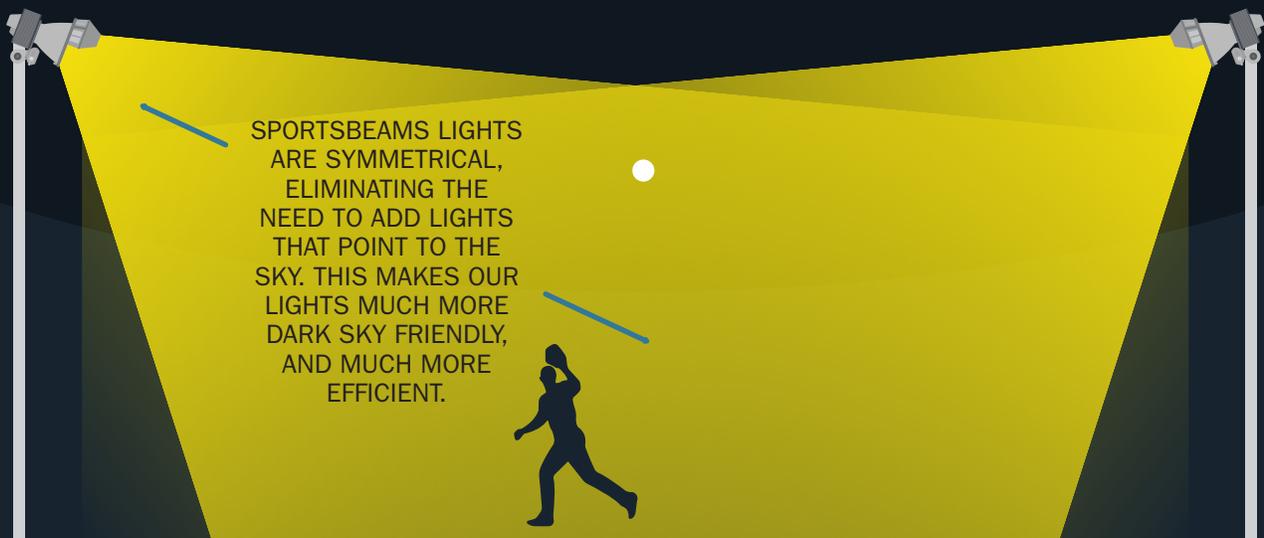
Unless the goal is to only light a 2D surface, symmetrical lighting provides a far better area light. Not only will it provide the horizontal foot candles needed, it will also provide the vertical foot candles.

ASYMMETRICAL FIXTURES



TO ADDRESS THIS WEAKNESS, SOME MANUFACTURERS ADD ADDITIONAL FIXTURES AND AIM THEM TOWARDS THE SKY

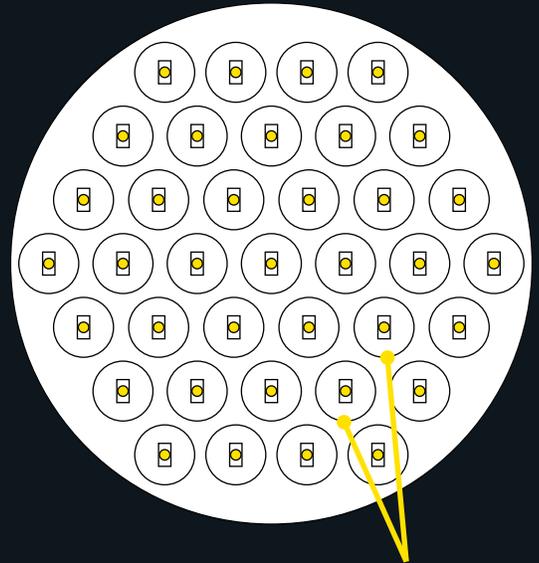
SYMMETRICAL FIXTURES



TYPICAL FIXTURE DESIGN

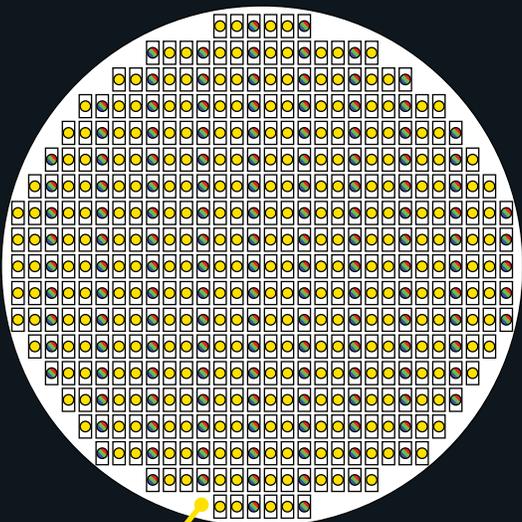
CHALLENGES

1. Lenses must be perfectly attached to the light engine to ensure that moisture or other debris are not trapped underneath
2. The number of LEDs a fixture can hold is limited because of space requirements for the individual lenses

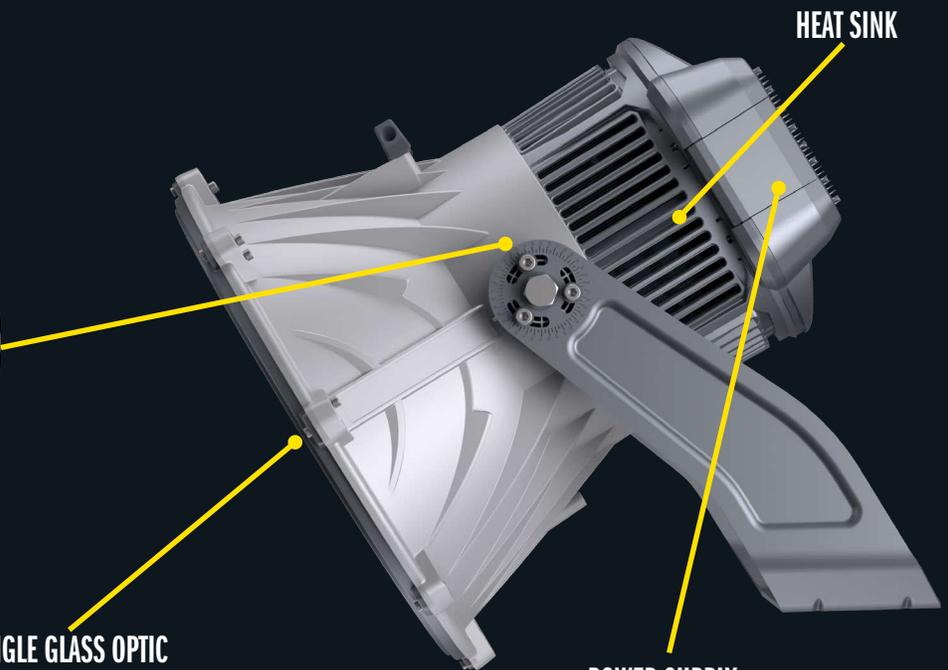


COVERED IN INDIVIDUAL PLASTIC LENSES

SPORTSBEAMS FIXTURE DESIGN



BARE LEDS BUNCHED CLOSELY TOGETHER



SINGLE GLASS OPTIC

POWER SUPPLY

HEAT SINK

SAFER, TOUGHER DRIVERS



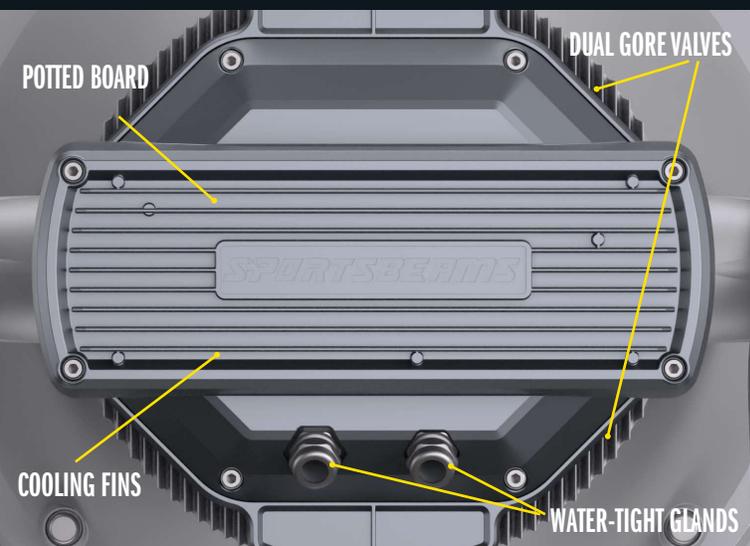
An arc welder to power LEDs?

Most sports lighting companies have their drivers at the base of the light poles. This means they need 700V+ of DC power to reach a fixture from the bottom of its pole—that's the equivalent of an arc welder. Worse, since most remote drivers power three or more fixtures, a failure can mean an instant loss of multiple heads.

That begs the question. Why do some lighting manufacturers feel the need to gamble with such dangerously high levels of voltage? Simply put, their fixtures are too heavy to have their driver next to the lights. That and they rely on third-party manufacturers for their drivers. Sportsbeams designs, engineers, and helps manufacture our own drivers.

Our patented technology means our lights are much lighter than our competitors'. That allows us to have our drivers at the base of our fixtures, making it much safer to handle at just 48V of DC power. This also dramatically increases the lifespan of the LEDs and allows us to use constant voltage instead of constant current for precise control over each individual LED.

Just one more reason why our fixtures truly are the best in the world!



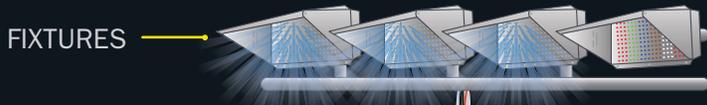
OUR DRIVER FEATURES

- Custom aluminum die cast housing with precisely engineered heat fins reduces heat by over 20% than standard housings.
- Housing sealed with an IP-67 gasket that ensures protection from water ingress.
- Board is potted in heat-conducting resin that further protects from water and heat damage.
- Stainless steel, water-tight glands allow power and data cables in and nothing else.
- Our power supply has been proven to last up to two times longer than the best LEDs on the market.

OTHER SPORTS LIGHTING COMPANIES

VS

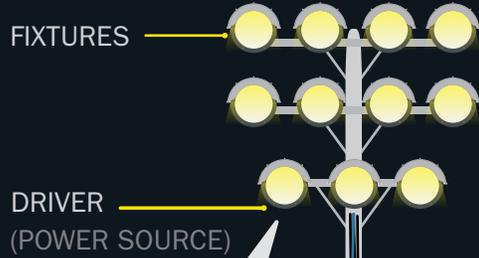
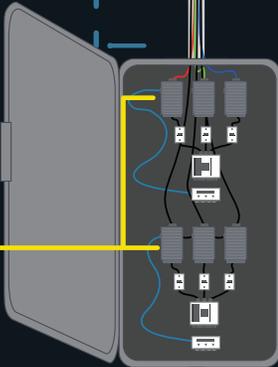
SPORTSBEAMS



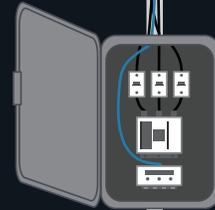
Requires **much higher voltage** to reach fixtures.

Around **700v (DC)***

DRIVERS (POWER SOURCE)



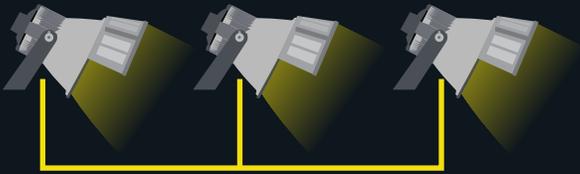
Only requires approximately **48v (DC)**



***700v DC** is equivalent of an arc welder

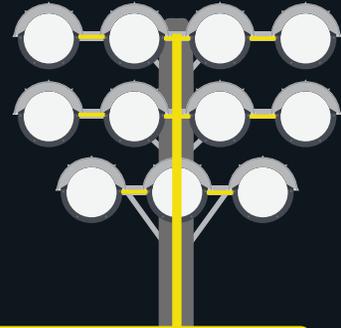
Sportsbeams fixtures are lighter, allowing our drivers to be positioned at the base of the fixtures. This is why our fixtures only need approximately 48v of DC power, **making it much safer to handle**

TOTAL CONTROL



1.

XLR CABLES FROM FIXTURES ARE DAISY CHAINED TOGETHER

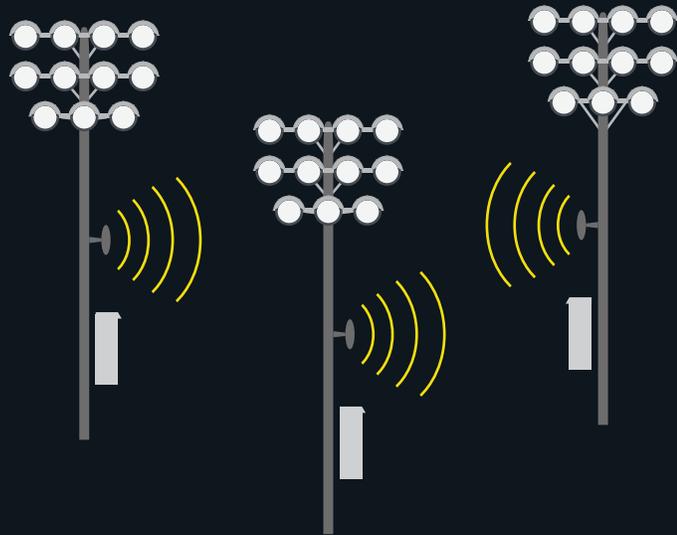


2.

A SINGLE XLR CABLE RUNS DOWN THE POLE INTO THE CONTROL BOX

3.

WIRELESS 5G NODES ON EACH POLE CREATE A MESH NETWORK



INTELLIBEAMS COMPUTER



4.

THE INTELLIBEAMS CONTROL SYSTEM COMMUNICATES TO THE POLES

MOBILE USER



5.

THE ENTIRE SYSTEM CAN BE CONTROLLED THROUGH AN APP AND DIRECTLY ON SITE

POWERFUL WHITE + FULL RGB COLOR



High powered broadcast-quality sports white light
+
Millions of spectacularly saturated premixed color light
all in ONE single-optic LED fixture.

Armed with patented technologies, our Chromabeams are the only fixtures in the entire industry that can do both full high-powered tunable sports white and the full spectrum of saturated RGB lights in one fixture. Not only that, but we are also the only ones that do not use any plastic in the light path or even in the housing.

Although some may claim that their lights are RGBW capable, the colors are dull, and the white light of those fixtures isn't bright enough to light the field, let alone a sports game. This is why they always need additional lights.

But not us. You can light the entire stadium with just Chromabeams.



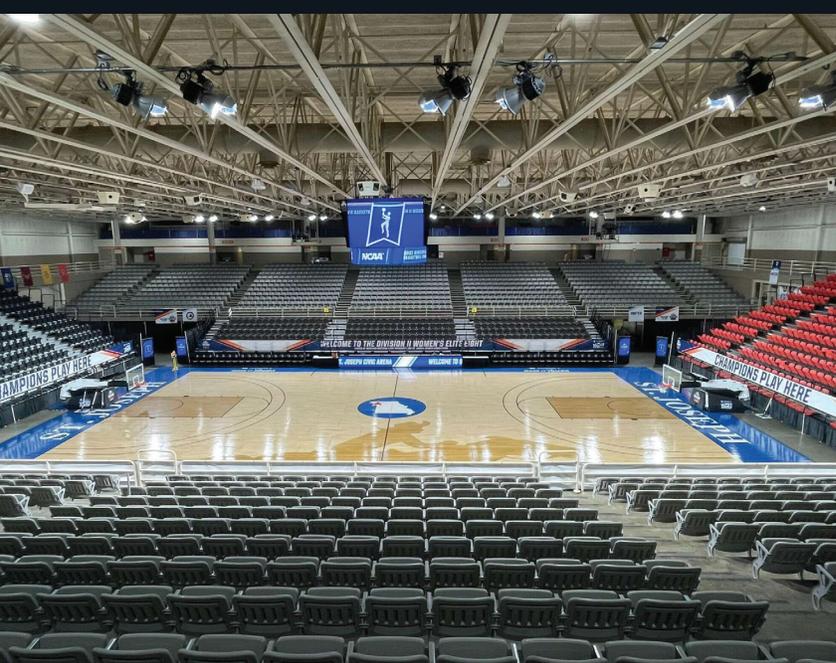
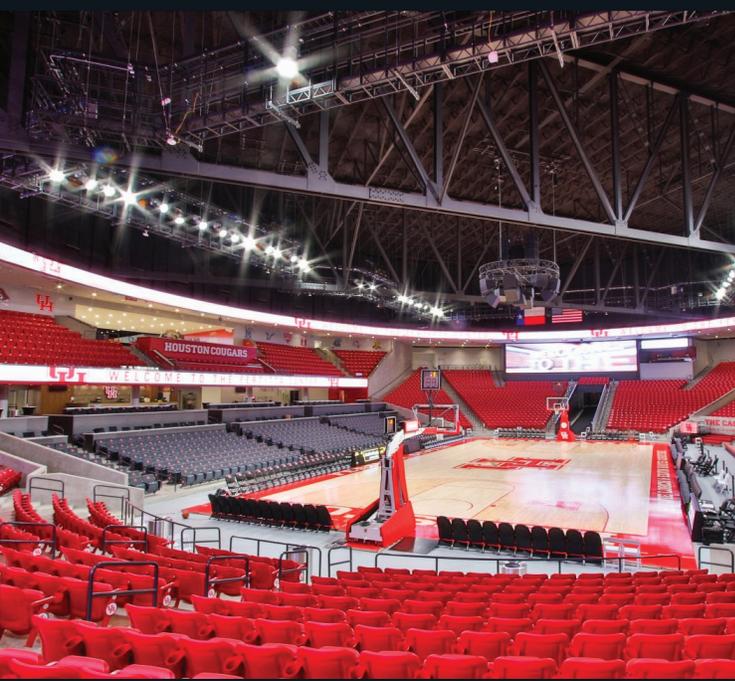
HIGH SCHOOL FIELDS



STADIUMS



ARENAS



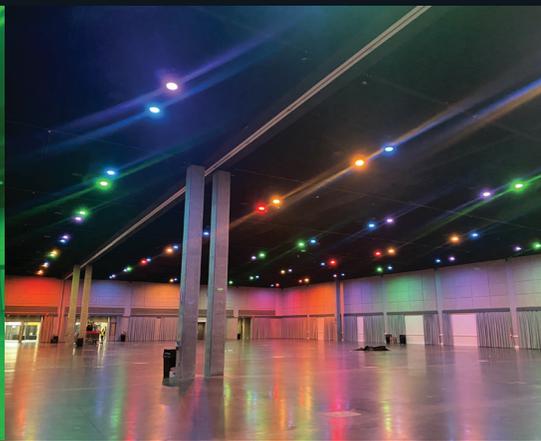
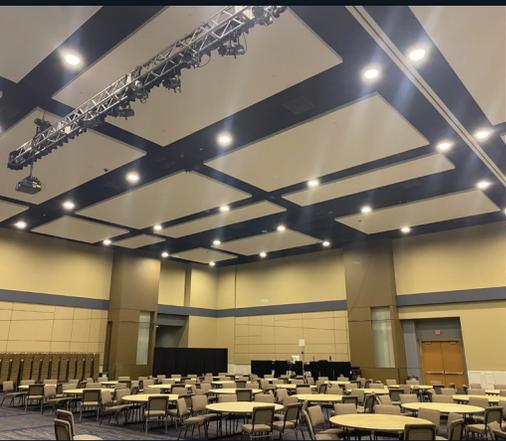
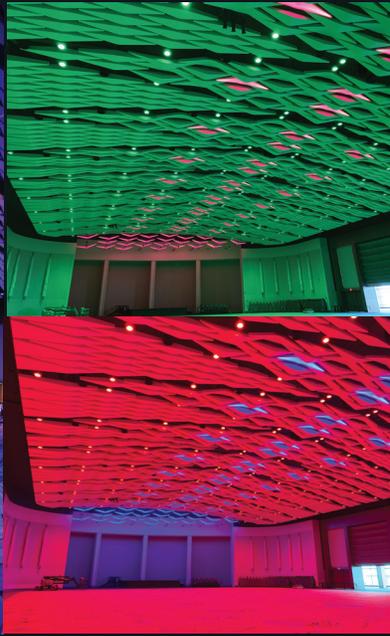
TENNIS COURTS



MUSIC VENUES



CONVENTION CENTERS



SOCCER FIELDS



GYMNASIUMS



Please visit www.sportsbeams.com for additional information as well as news and updates.

If you have any questions, please contact us at

1.888.905.6680

SPORTSBEAMS

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