

ABOUT LEDEX LIGHTING

SPORTS LIGHTING EXPERT

We have been focusing on sports lighting for the past 11years, especially in the sports lighting industry. We provide you with a complete set of services, from engineering inquiry to complete shipment, and offering consulting service until the project installation finished at the enduser's site. We always keep tightly communication with our clients throughout the process.

WORLD CLASS MANUFACTURE

With designing, engineering, procure men and execution backed up by own plant for sports lighting, high mast-lighting, LEDEX is in a position to offer turnkey solutions for any sports lighting requirement in overseasmarket. Place your trust with one of the biggest names in the industry.

Professional Lighting Calculation Report Available





LEDEX Lighting is ISO9001 and ISO14001 approved supplier. We guarranty quality and performance





TOP 1 SPORTS LIGHTING SUPPLIER





LIGHT FOR PEOPLE

A perfect lighting system of sports lighting not only ensures visibility and clarity, but also helps to improve the user experience for the entertainment stimulates enthusiasm and emotions for players, officials, and also the spectators, and cameraman, as well as the fans who watching TV at home.

LIGHT FOR PLACES

Light plays an important role in today's sports events. From the designing to lighting up the area, excellent lighting quality, flicker-free, and proper lighting uniformity are quite important keys to making sports events happen.

BRAND QUALITY

LEDEX Lighting manufactures the luminaries with high standard ISO9001. Big invest to R&D in both products, and well-organized supply-chain which helps us support our clients with cost effective products and fast delivery.

LOW MAINTENANCE COST

With the creative solution of remote mounting driver box, normally mounted at 10ft (3m) above the ground, no need to hire the super expensive big lift trucks in case of maintenance someday. It contributes at least 25% less cost.

INTELLIGENT CONTROL

LEDEX Lighting solutions are easy to be controlled. Available with DMX, DALI, O-10V dimming, we can offer you smart stadiums. With the help of the intelligent controls, it makes the stadiums flexible, and emotionally. A great way to emphasize the lighting effect.

LOW GLARE

A safe stadium is protecting people.
LEDEX Lighting solutions ensure both indoor and outdoor around the arena. Well lighting up stadiums reduce the accidents and enhance spectators on trust.

EXCEPTIONAL LIGHTING EXPERIENCE LEDEX proposed professional lighting solution which can meet all the needs of international sports federation and helping facility managers benefit from numerous advantages both in terms of efficiency and reduction of the the management and maintenance cost and increasing their revenue by providing fans ultimate visual experience.

LIGHTING

EXPERIENCE











SPECTATOR

LEDEX's good lighting let fans fully participate in the game. Passing, goal, intermissions, different scenes can have different lighting effect for different scenes with lighting control system, makes fans watching the game live get wild.

PLAYERS

For players, less glare and sufficient illumination are most important. With perfect optical design, our products ensure illuminance uniformity vertically and horizontally with less glare effect.

HDTV

With high high
TLCI index and
flicker free,
our lighting fits
all demands
of television
broadcaster.
Fans in front of
the TV can have
almost the same
experience
as the fans at
present.

RESIDENTIAL

Good back light control reduce light pollution.
Outside the stadium, less spill light is very kind to neighbors.

INVESTORS

The product is very cost-effective that can save initial investment. And the good product performance saves maintenance costs in the future.

1500W, 1800W 2400W

750W, 1000W, 1200W



500W, 600W

Maximum: 336,000lm

We can do more than expected

Patented LED module cold forged aluminium creates higher impact strength and higher structural integrity with superior heat dissipation capability.

LED driver by world class INVENTRONICS average rated life cycle > 76,000hrs.

Ultra-uniformity, low glare and low spill light effect for Sports Field Lighting applications and delivering value beyond energy savings.

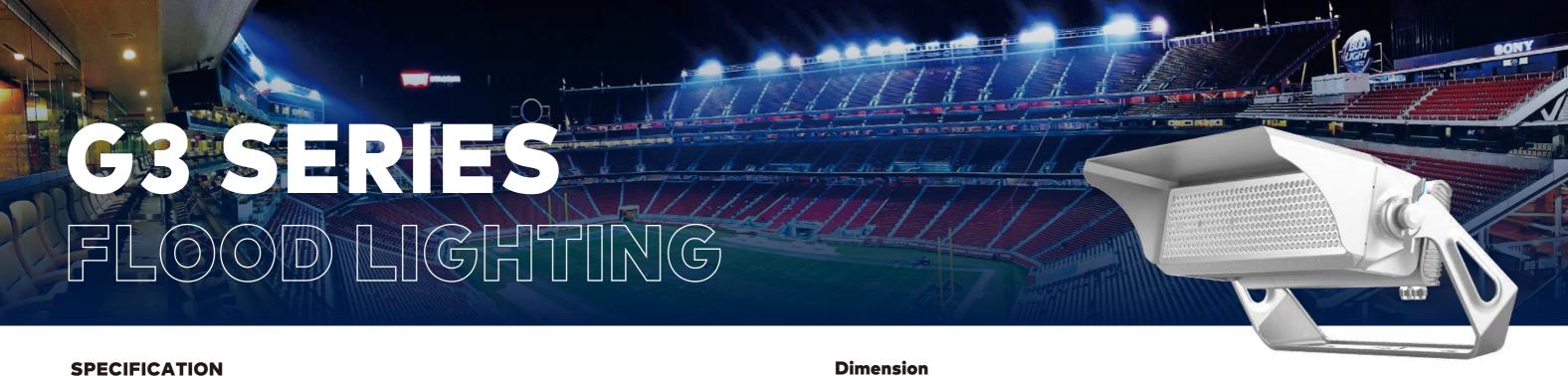
The surface of the lamp is specially sprayed with high quality AkzoNobel anti-corrosion Powder-coating, which has strong resistance to salt spray corrosion and is suitable for harsh environments.



HARMONY G3

Mer E-PAN V

SPORTS LIGHTING



SPECIFICATION

Wattage: 500W, 600W

LED Brand: Osram

Driver Brand: Inventronics

CCT: 5700K, 5000K, 4000K, 3000K, 2200K optional

CRI: 70, 80, 90 optional

Luminous Flux(lm): 500W=70,000lm, 600W=84,000lm.

12°, 15°, 50°, NB, MB, WB(hundreds of light distribution for Lighting Distribution:

different level projects)

Input Voltage: AC100-277V / 200-480V

Frequency: 50/60Hz

Power Factor: ≥0.9 at Max load

FF(Flicker Factor):

Power Efficiency: >0.93 THD: <19%

Surge Protection: Line - Line 20kV, Line - FG 20kV

Smart Control: 0-10V/DALI/WIFI/DALI/Zigbee/DMX/RGB

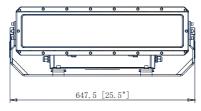
Frontal Surface (Front EPA): 0.14m² (1.55ft²) Side Surface(Side EPA): 0.08m² (0.81ft²)

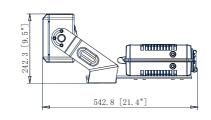
Weight

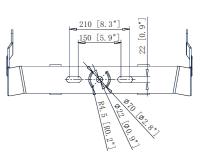
(Intergrated with driver box): 17.87kgs

> **Housing Matrial:** Finishing powder coated AL1070 pure aluminum for marine

> > salt protection and swimming pool applications.







Optic Lens and Cover: UV protected optical Lens (PC cover 3.0mm optional)

Cut-off Shield (optional): Finishing powder coated galvanized iron sheet Metal (Marine

Specialty Painting if required)

Mounting Bracket: Finishing powder coated galvanized iron sheet metal (Marine

Specialty Painting if required)

IP Rating: IP66

Operating Temperature: $-104^{\circ}F - 122^{\circ}F / -40^{\circ}C - 50^{\circ}C$

Warranty: 10 Years





Wattage: 750W, 1000W, 1200W

LED Brand: Osram

Driver Brand: Inventronics

CCT: 5700K, 5000K, 4000K, 3000K, 2200K optional

CRI: 70, 80, 90 optional

Luminous Flux(lm): 750W=105,000lm, 1000W=140,000lm,

1200W=168,000lm

Lighting distribution: 12 °, 15 °, 50°, NB, MB, WB(hundreds of light distribution for

different level projects)

Input Voltage: AC100-277V / 200-480V

Frequency: 50/60Hz

Power Factor: ≥0.9 at Max load

FF(Flicker Factor): <1%
Power Efficiency: >0.93

THD: <19%

Surge Protection: Line – Line 20kV, Line – FG 20kV

Smart Control: 0-10V/DALI/WIFI/DALI/Zigbee/DMX/RGB

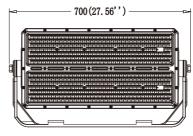
Frontal Surface (Front EPA): 0.14m² (1.55ft²)

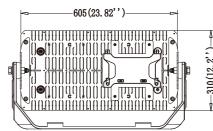
Side Surface(Side EPA): 0.08m² (0.81ft²)

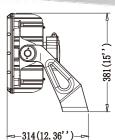
Housing Weight: 29.28 (with no driver box)

Driver box weight: 7.81kgs

Complete Fixture Weight: 37.08 kgs (Housing + driver box)







Housing Matrial: Finishing powder coated AL1070 pure aluminum for marine salt

protection and swimming pool applications.

Optic Lens and cover: UV protected optical Lens (PC cover 3.0mm optional)

Cut-off Shield (optional): Finishing powder coated galvanized iron sheet Metal (Marine

Specialty Painting if required)

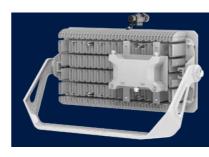
Mounting Bracket: Finishing powder coated galvanized iron sheet metal (Marine

Specialty Painting if required)

IP Rating: IP66

Operating Temperature: $-104^{\circ}F - 122^{\circ}F / -40^{\circ}C - 50^{\circ}C$

Warranty: 10 Years



Two IP66 Connectors Suitable for Retrofit Project and New Project.

Left: for M8-M10 cores Right: for M12-M16 cores





SPECIFICATION

Wattage: 1500W, 1800W

LED Brand: Osram

Driver Brand: Inventronics

CCT: 5700K, 5000K, 4000K, 3000K, 2200K optional

CRI: 70, 80, 90 optional

Luminous Flux(lm): 1500W=210,000lm, 1800W=252,000lm

Lighting distribution: 12°, 15°, 50°, NB, MB, WB(hundreds of light distribution for

different level projects)

Input Voltage: AC100-277V / 200-480V

Frequency: 50/60Hz

Power Factor: ≥0.9 at Max load

FF(Flicker Factor): <1%

Power Efficiency: >0.93

THD: <19%

Surge Protection: Line – Line 20kV, Line – FG 20kV

Smart Control: 0-10V/DALI/WIFI/DALI/Zigbee/DMX/RGB

Frontal Surface (Front EPA): 0.38m²(4.13ft²)

Side Surface(Side EPA): 0.15m²(1.56ft²)

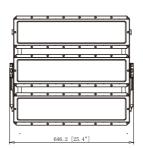
Weight

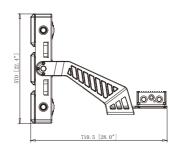
(Intergrated with driver box):

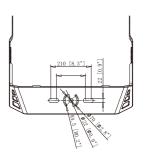
Housing Matrial: Finishing powder coated AL1070 pure aluminum for marine

salt protection and swimming pool applications.

Dimension







Optic Lens and cover: UV protected optical Lens (PC cover 3.0mm optional)

Cut-off Shield (optional): Finishing powder coated galvanized iron sheet Metal (Marine

Specialty Painting if required)

Mounting Bracket: Finishing powder coated galvanized iron sheet metal (Marine

Specialty Painting if required)

IP Rating: IP66

Operating Temperature: $-104^{\circ}F \sim 122^{\circ}F / -40^{\circ}C \sim 50^{\circ}C$

Warranty: 10 Years



Seperate Driver Box





Advantages of complete optical lens

- 1.More accurate lighting distribution on the PA2.Much better waterproof protection3. Easy to replace the optical lens

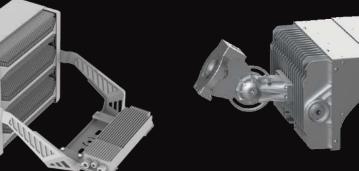


Visors and Grille Available for Great Control of Spill Light and Sky Glow





Ceiling Surface



SMART

Smart Sports Zone Interlligent Control Enjoy Play

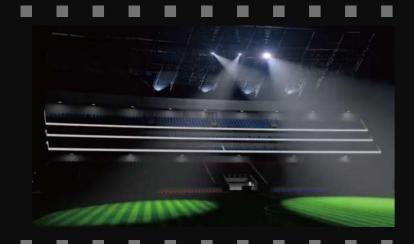






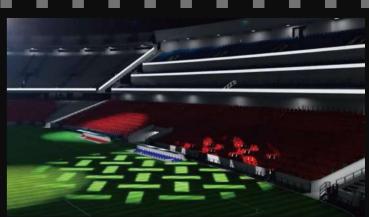












OPTIONAL ACCESSORIES



Rotatable Visor





Grill



Glass





MODULE

Each Module Could be

ROTATED SEPERATLY

HDTV, CRI>90 & TLCI>90 BETHERIST FOREVER 0

IP66 Rated Protection



AVIATION ALUMINUM

Aircraft Grade Aluminum High resistance to corrosion and finish High resistance to UV damage Excellent fatigue resistance Physical extra strength

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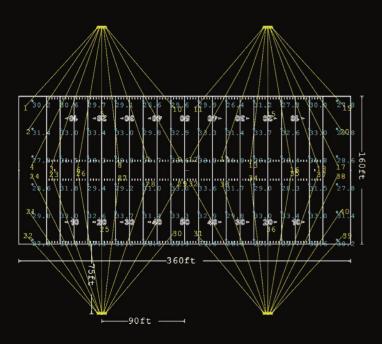


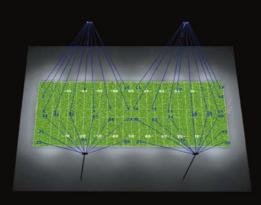
OPTICAL

SYSTEM

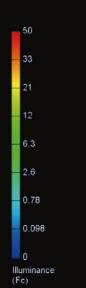


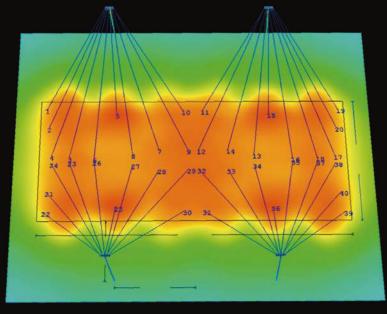
100+ Lighting Distributions Professional Dialux & AGI32 Lighting Calculation Service



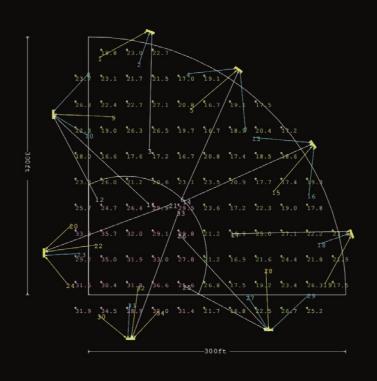


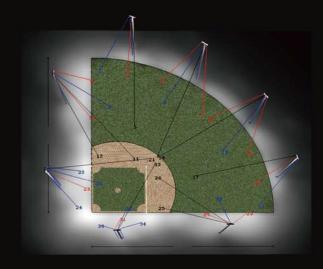
Football Field(American)

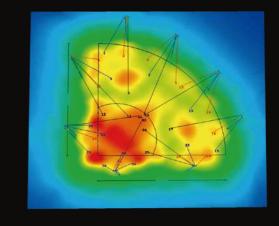




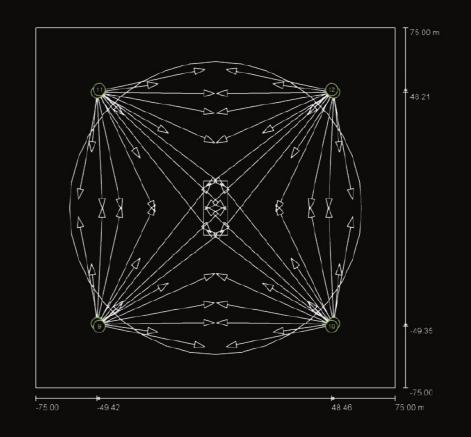
Baseball Field

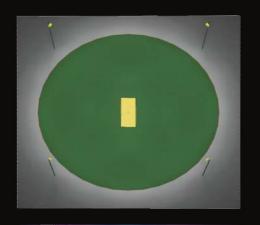


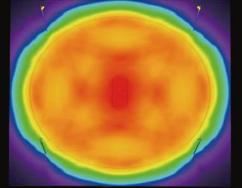


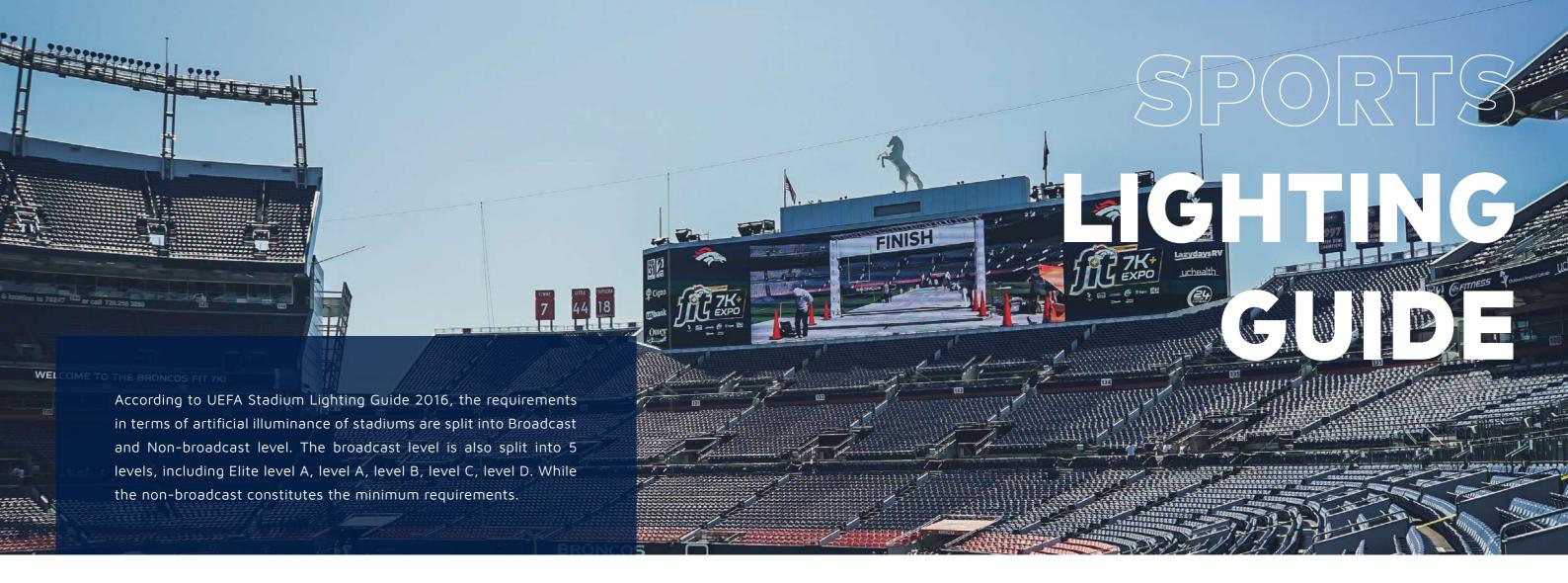


Cricket Field









TV BROADCAST LEVEL

	Elite level A	Level A	Level B	Level C	Level D
Eh ave	>2000lux	>1500lux	>1400lux	>1200lux	>800lux
U ₁ h, U ₂ h	U ₁ >0.5, U ₂ >0.7	U ₁ >0.5, U ₂ >0.7	U ₁ >0.5, U ₂ >0.7	U ₁ >0.4, U ₂ >0.6	U ₁ >0.4, U ₂ >0.5
Ev ave	>1500lux	>1250lux	>1000lux	>750lux	>350lux
U ₁ v, U ₂ v	U ₁ >0.4, U ₂ >0.5	U ₁ >0.4, U ₂ >0.5	U ₁ >0.4, U ₂ >0.5	U ₁ >0.35, U ₂ >0.45	-
FF(Flicker)	<5%	<12%	<12%	<20%	-
ССТ	5000K/5700K	5000K/5700K	5000K/5700K	4000~5700K	4000~5700K
GR	<50	<50	<50	<50	<50
MF	0.85	0.8	0.8	0.7	0.7
CRI	≥80Ra	≥80Ra	≥80Ra	≥70Ra	≥70Ra

NON-BROADCAST LEVEL

According to EN12193 requirements of lighting football field, because of recreational football is usually played in the evening after work, effective lighting maximizes the opportunity for people to take part in the game.

EN12193 REQUIREMENTS

CLASS		I	II	III
Horizontal	Ē _m lx	500	200	75
illuminance	E _{min} /Ē _m	0.7	0.6	0.5
GR		50	50	55
Ra		60	60	20



