



LIGHT™

HELMETS

TECHNOLOGY FROM THE BATTLEFIELD,
PERFECTED FOR THE PLAYING FIELD.



OUR STORY

SPORT★

OAKLEY

D3O△



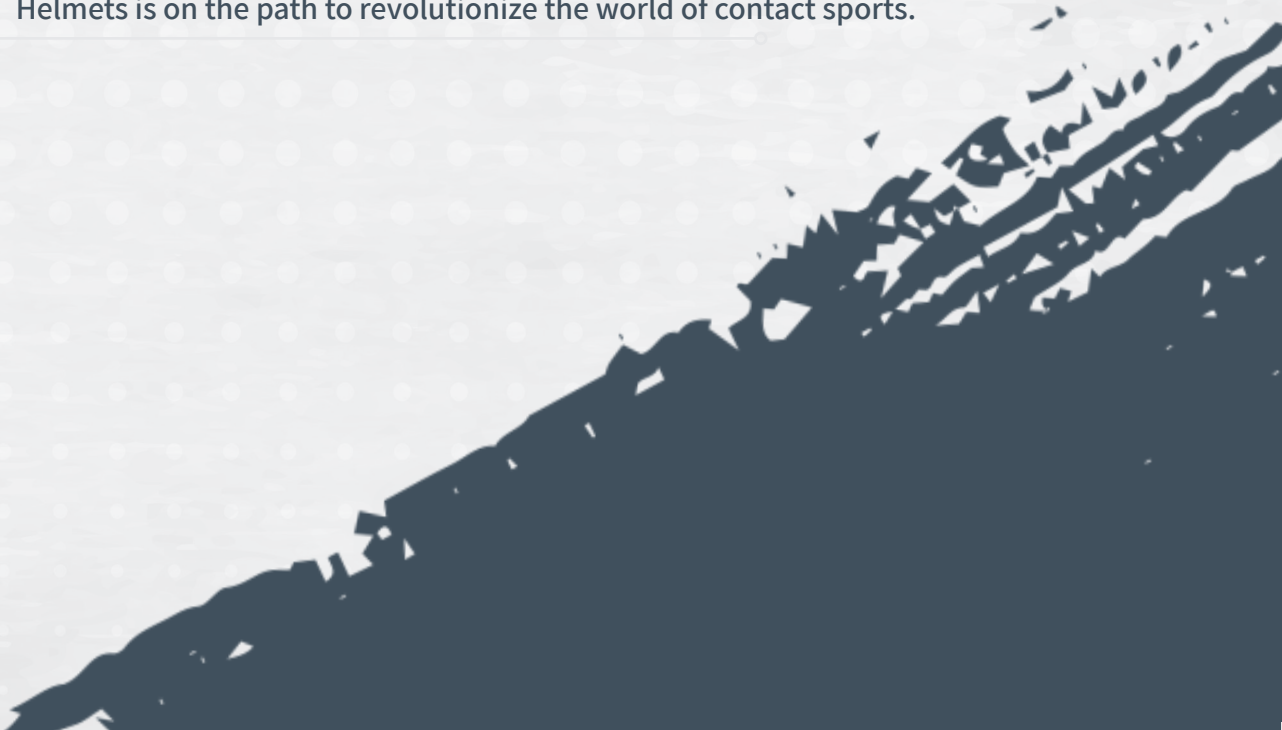
LIGHT Helmets found its beginnings as SG Helmets, which was started in 2011 by Bill Simpson and Chip Ganassi. After revolutionizing the professional auto racing industry with the most innovative and ground-breaking safety equipment, Simpson turned his focus to football helmets. Jeff Saturday and many others wore SG Helmets in the NFL, Division 1 college, high schools, and youth programs across the country.

In 2018, former professional racecar driver and marketing executive, Nicholas Esayian, along with a handful of partners and investors purchased the assets of SG Helmets from Simpson. This group of investors – which included Navy SEALs, entrepreneurs, insurance executives, CEOs from the financial services industry, professional athletes, and other successful individuals – wanted to bring the most advanced materials from auto racing, aviation and the military to the football field and disrupt the protective headgear market. Their goal?

To improve the safety of all players, from pop warner to the NFL.

In 2018, the company was rebranded as LIGHT Helmets.

With their innovative product development team, diverse advisory/medical board, and Virginia Tech 5-star rated line of products, LIGHT Helmets is on the path to revolutionize the world of contact sports.



GLADIATOR

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ERRA

Smith's



AMERICA FIRST
CREDIT UNION

LIGHT

GLADIATOR

POWERED BY: **KOLLIDE**



THE GAME JUST CHANGED...

NEXT GENERATION HEAD PROTECTION

The LIGHT GLADIATOR leverages the latest technology from the military and technology fields (3D printing) to deliver next generation head protection for elite athletes in a helmet that, depending on configuration, weighs 3 lbs, 15 oz. The GLADIATOR delivers disruptive protection and is the first helmet to address superior player performance through the reduction in weight.

VIRTUAL DESIGN VALIDATION

We leverage the full power of virtual simulation, LS-Dyna, to ensure enhanced protection and compliance to all standards.

NYLON SHELL

The LIGHT GLADIATOR's unique nylon shell was designed as part of a system versus being a simple styling exercise. The material, shape, thickness, and venting integrates with the internals of the GLADIATOR to maximize the performance in terms

PROTECTIVE NETWORK OF MATERIALS

The GLADIATOR is an innovative protective system that combines a unique arrangement of patented and durable 3D pads, made of polymer strings, specific to the requirements of the various areas of head protection. The 3D pads can move freely within a flexible lattice, to optimize shock absorption, depending on where the impact comes from. This system is designed to absorb large amounts of energy without sacrificing the ability to protect against lower energy impacts.



THE INDEPENDENT HELMET LAB OF
VIRGINIA TECH GIVES
THE **GLADIATOR 5 STARS**

NFL-NFLPA

2023 HELMET TESTING PERFORMANCE RESULTS

In an unprecedented move, the NFL-NFLPA agreed to test the LIGHT GLADIATOR (LS-PRO) mid testing cycle and it has been awarded the prestigious category of “Recommended Helmets” for the 2023 season.



GLADIATOR

PRODUCT FEATURES

NYLON SHELL

The LIGHT GLADIATOR features a purpose-built nylon shell that maximizes impact performance, temperature regulation, and overall comfort for athletes.

CHROMOLY STEEL FACEMASK

This ultra-light steel material combines the strength of traditional solid steel with the light weight properties of costly Titanium facemasks, providing better overall balance, allowing players to react quicker, reduce dangerous head whip, and decrease fatigue.

DURABLE 3D PRINTED MATERIALS

The LIGHT GLADIATOR utilizes patented and durable 3D printed pads, constructed with polymer strings, that can freely move within the flexible lattice structure. This unique design optimizes shock absorption, adapting to the specific impact point and providing unparalleled protection against high-energy impacts, while retaining the ability to safeguard against lower-energy impacts.

SPORTSTAR CHIN STRAP

The LIGHT GLADIATOR comes with the industry leading SportStar chin strap.

LATTICE TECHNOLOGY

The innovative lattice technology serves as the backbone of the LIGHT GLADIATOR's protective system. Carefully engineered with a sling design, the flexible lattice structure allows the 3D pads to dynamically respond to impacts, ensuring maximum energy absorption precisely where it is needed most.

TOP SAFETY RATINGS

The LIGHT GLADIATOR has earned the highest rating of 5-stars from the independent helmet testing lab at Virginia Tech and is certified to NOCSAE standards.



FACE MASK

MODELS

SK1

TYPICAL POSITIONS

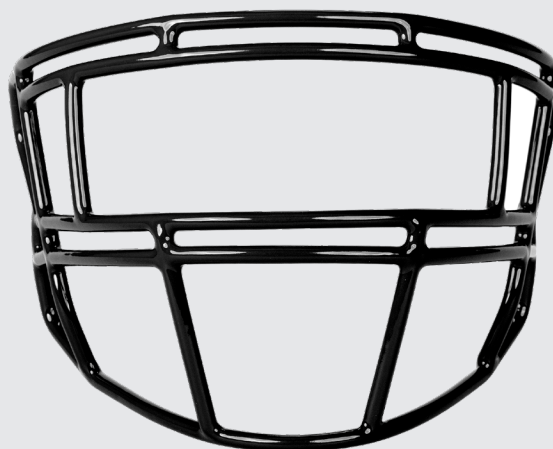
QB, RB, CB, S, WR



SKP1

TYPICAL POSITIONS

QB, RB, CB, LB, S, WR, TE, DT



P1

TYPICAL POSITIONS

LB, OL, DL, RB, TE



SIZING CHART



FLEXIBLE
MEASURING
TAPE

OR



STRING
AND RULER

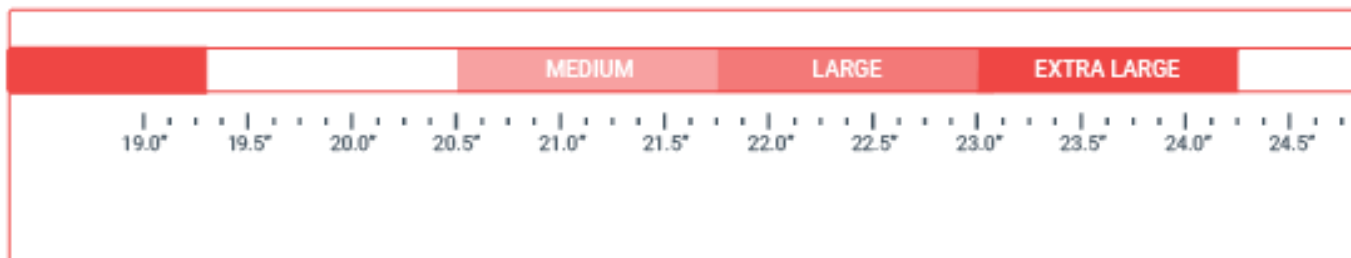
The LIGHT GLADIATOR (LS-PRO) is engineered to offer top-tier protection and comfort to players, but we understand that every athlete's head shape and size is unique. To ensure you find the perfect fit, the LIGHT GLADIATOR (LS-PRO) comes equipped with 12 round fit pads installed in the helmet. The fit pads are attached to the interior liner by hook and loop fasteners. Each LIGHT GLADIATOR (LS-PRO) also comes with fitment shims which can be placed in between the liner and pad to create the best fit.

Every individual has a unique head size and the location of the fitment pads can be changed in order to customize the best fit.



Find your measurement to determine the player's helmet size.

Using a flexible measuring tape (or a string and a ruler), measure the circumference of the player's head at the widest part (approximately 1" above the eyebrows).



NOTE:

- If athlete's head size is directly in between sizes, choose the larger size.

LS2

FOOTBALL HELMET





SAFETY AND PERFORMANCE

THE FUTURE OF FOOTBALL PROTECTION IS HERE

Engineered with state-of-the-art materials and advanced technology transitioned from the battlefield, military aviation, and auto racing industries, the LIGHT LS2 allows athletes to play safer, faster and lighter.

GAME CHANGING PERFORMANCE

Players rely on the LIGHT LS2 because it allows them to move faster, react quicker, and more efficiently on the field while also reducing fatigue. Traditional football helmets can weigh up to 6 pounds, but at approximately 3 pounds, the LIGHT LS2 provides players and teams with a competitive advantage.



THE INDEPENDENT HELMET LAB OF VIRGINIA TECH GIVES THE LIGHT LS2 5 STARS

The independent helmet testing lab at Virginia Tech is the industry standard for rating helmets and protective equipment. The Varsity LS2's STAR value score of 2.38 ranked #10 of 31 helmets tested and is the lightest 5 star rated helmet currently in production.

	LIGHT	OTHER
Approximately 3 pounds	✓	✗
Advanced composite shell	✓	✗
Armor Foam liner transitioned from the military	✓	✗
Light Chromoly Steel facemask	✓	✗
Guaranteed refurbishment*	✓	✗
Lightest youth football helmet in the world	✓	✗
Standard Victory SportsStar chinstrap	✓	some
Meets or exceeds NOCSAE standards	✓	✓
Virginia Tech 5-star rating	✓	
Resizable within any shell size	✓	✗

*first refurbishment

VARSITY FOOTBALL HELMET RATINGS

2023 Edition

A total of 31 varsity football helmets have been rated using the STAR evaluation system. Virginia Tech’s impact tests evaluate a helmet’s ability to reduce linear and rotational acceleration of the head resulting from a range of head impacts a football player might see on the field. Helmets with more stars provide a reduction in concussion risk for these impacts compared to helmets with less stars.

#10

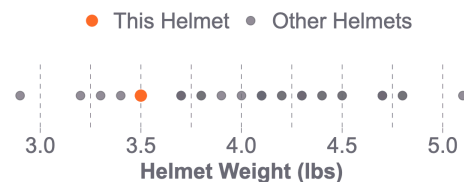


LIGHT LS2-CV ★ ★ ★ ★ ★

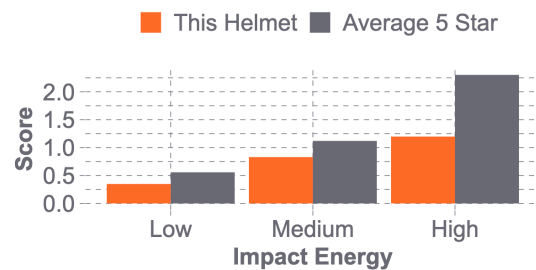
Price when tested: \$595.00

The LIGHT LS2-CV earned a 5 star rating. Its STAR value score of 2.38 ranked #10 of 31 helmets tested and is the lightest 5 star rated helmet currently in production.

We tested this helmet in 2023 with the SK1V facemask attached. This configuration had a total weight of 3.5 lbs. This plot compares this helmet’s weight to all the other helmet configurations tested.



This plot compares this helmet’s performance to the average 5 star-rated helmet at the 3 impact severities. Lower values for the score contribution indicate better performance. The low impact severity is intended to represent common impacts in varsity football. The high impact severity is intended to represent the types of impacts most commonly resulting in concussions. The medium impact severity falls in between.



LS2

FOOTBALL HELMET



IMPACT ABSORPTION

The LS2 is designed to absorb impact and dissipate force to reduce the kinetic energy from collisions.

FITMENT KIT

The fitment kit allows for customization for each and every head size and shape. Custom fit allows for more protection for the player. The LS2 provides a precise fit without the exorbitant cost of a custom helmet.

Varsity Helmets with D30® - The LS2 Varsity helmet exclusively offers an “industry first” fitment kit designed with D30 impact protection.

Youth Helmets – The LS2 Youth helmet has an easily adjustable impact-absorbing fitment kit to help customize the fit for young athletes. The same D30 impact fitment kit can be added to either Youth LS2 model.

COMPOSITE MATERIALS

With a proprietary, lightweight, composite shell, the LS2 leverages proven materials used in body armor, combat helmets, and military aircraft.

ARMOR FOAM™

This patented, shock absorbing foam lining was originally designed and utilized by NASA and is a foundational element in the revolutionary LS2. It is also used in the modern combat helmet.

CHROMOLY STEEL FACEMASK

This ultra-light steel material combines the strength of traditional solid steel and the light weight of costly Titanium facemasks, while providing better balance, allowing players to more easily keep their “head up,” reduce head whip, and decrease fatigue.

SPORTSTAR CHIN STRAP

The LS2 comes with the industry leading SportStar chin strap.

TOP SAFETY RATINGS

The entire family of LS2s have earned the highest rating of 5-stars from the independent helmet testing lab at Virginia Tech and are certified to NOCSAE standards.



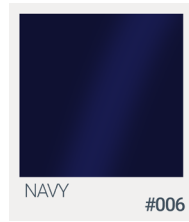
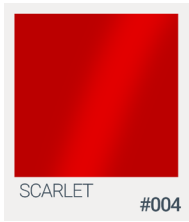
LS2

FOOTBALL HELMET

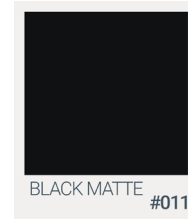
COLOR OPTIONS

COMPOSITE HELMET COLORS

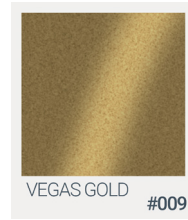
GLOSS



MATTE



METALLIC

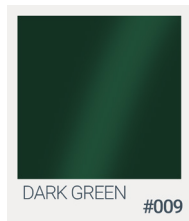
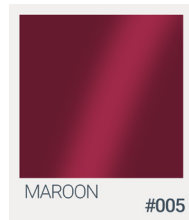
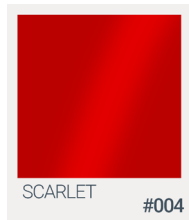
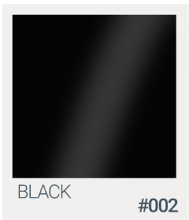


POLYCARBONATE HELMET COLORS

GLOSS



FACE MASK COLORS



LS2

FOOTBALL HELMET

FACE MASKS

MODELS

SK1V - Varsity
SK1Y - Youth

TYPICAL POSITIONS

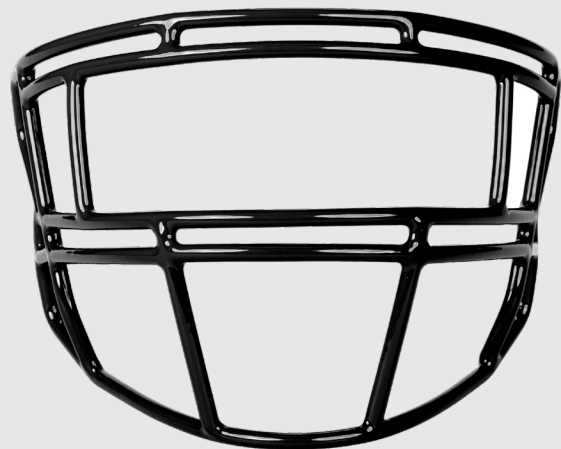
QB, RB, CB, S, WR



SKP1V - Varsity
SKP1Y - Youth

TYPICAL POSITIONS

QB, RB, CB, LB, S, WR, TE, DT



P1V - Varsity
P1Y - Youth

TYPICAL POSITIONS

LB, OL, DL, RB, TE



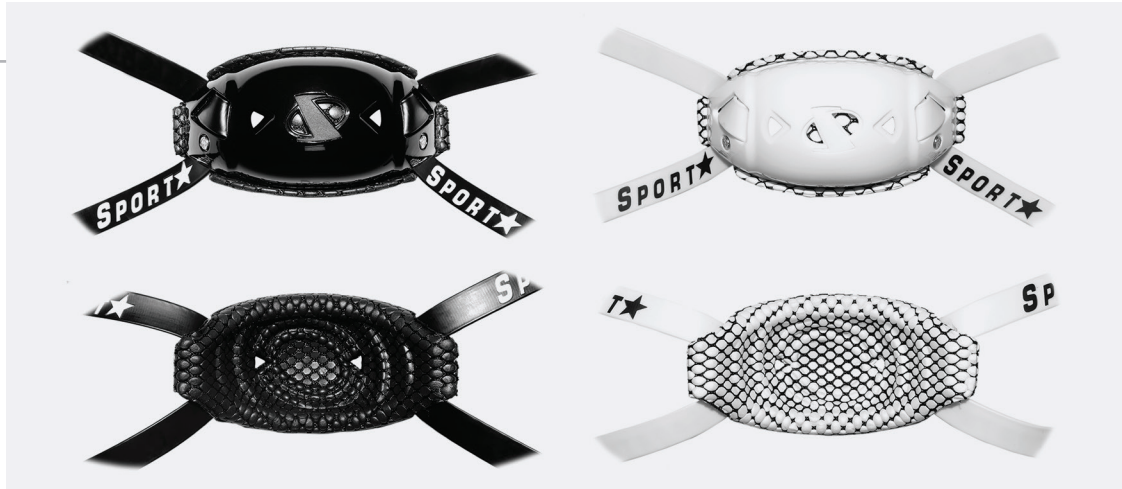
LS2

FOOTBALL HELMET

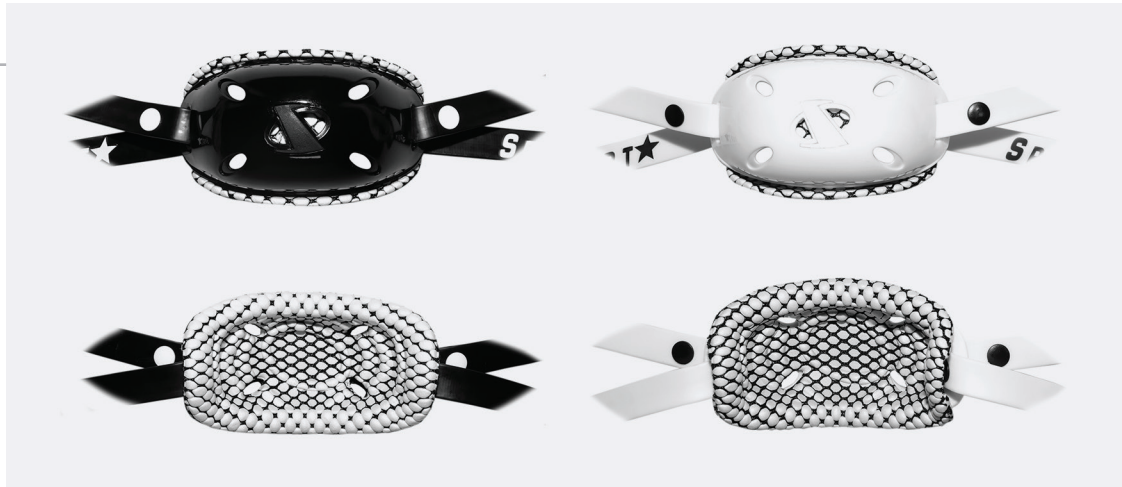
CHINSTRAPS

MODELS

VICTORY



X1



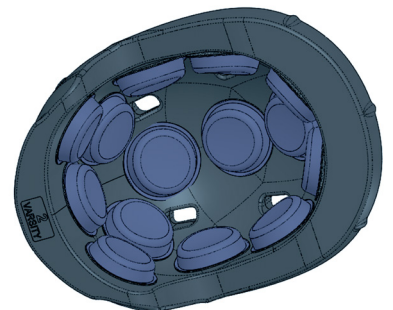
LINER & FITMENT/COMFORT KIT



INNER



OUTER



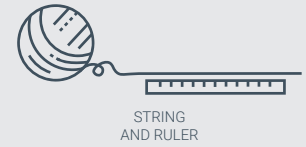
COMFORT KIT

SIZING CHART: ADULT & YOUTH

TOOLS NEEDED:



OR



Find your measurement to determine the player's helmet size.

Using a flexible measuring tape (or a string and a ruler), measure the circumference of the player's head at the widest part (approximately 1" above the eyebrows).

LS2 HELMET

Varsity		Small	Medium	Large	Extra Large							
	19.0"	19.5"	20.0"	20.5"	21.0"	21.5"	22.0"	22.5"	23.0"	23.5"	24.0"	24.5"
Youth		Medium	Large	Extra Large								

NOTES:

- If athlete's head size is directly in between sizes, choose the larger size.
- Varsity helmets are generally used for larger and faster players at the high school level and above. Typically, 14 years old and older.
- Youth helmet shells are 5% smaller than the Varsity helmets and are designed for leagues where the players are not as physically developed. Typically, kids under 14 and below the high school football level.

SS1

SOFT SHELL
HEADGEAR



SS1

SOFT SHELL HEADGEAR



THE GAME IS EVOLVING

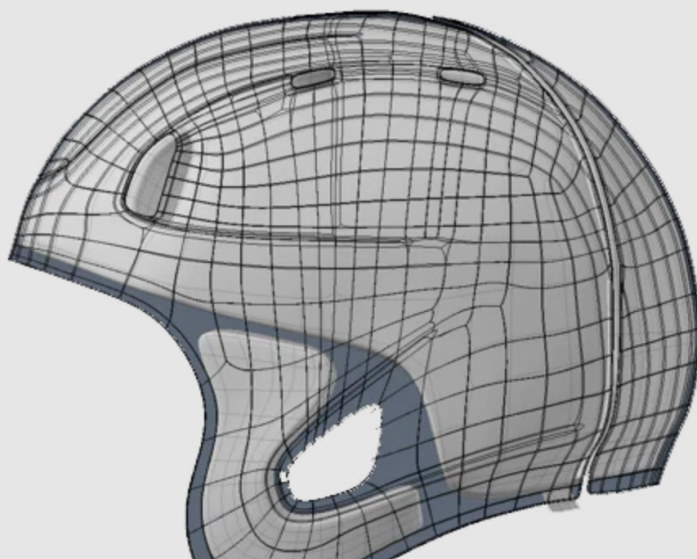
The stats are in – flag football participation is growing rapidly. In fact, some leagues already require players to wear headgear. The SS1 is the new headgear standard for flag football, 7v7, non-helmeted practices, soccer, and other non-contact sports. The SS1 is not evolutionary, but revolutionary. It is in a class of its own.

UNRIVALED PERFORMANCE

The LIGHT Helmets SS1 soft shell headgear for flag football and soccer is the most innovative protective headgear ever created. Engineered with cutting-edge materials used in the military and aerospace industries, the SS1 protects players and keeps them playing the sports they love.

BEST-IN-CLASS IMPACT SCORE AND COVERAGE

The SS1's unprecedented safety performance earned it a 0.00 impact score (a near-perfect score) from the independent testing lab at Virginia Tech - that's 15x better than the second-place headgear.



SS1

SOFT SHELL HEADGEAR

PROTECTS EVERY PLAYER ON THE FIELD

Not all players are wearing softshell headgear on the field – so LIGHT wanted to ensure that all players were protected, whether they're wearing our SS1 or not. To gather data on impact protection and safety, the Virginia Tech Helmet Testing Lab tested the impact of the SS1 contacting with an un-helmeted head. The SS1 provides more protection to the unprotected player wearing no headgear compared to wearing competitive headgear. Simply stated, if the SS1 hits an un-helmeted head, the SS1 provides more protection to the un-helmeted head than any of our competitors provide their athletes wearing their products. The data proves that the SS1 provides the best protection for the athlete wearing it, as well as those not wearing any protection or our competitor's products.

MAXIMUM COMFORT AND SAFETY

We designed the SS1 with maximum comfort and safety in mind. Tested in all environments, the SS1 is super lightweight, breathable and fully adjustable to allow for uncompromised movement and vision on the field.

The energy-absorbing Armor Foam minimizes impact and significantly reduces the linear and rotational acceleration of the head while protecting other players that may not be wearing head protection.

The shape and styling of the SS1 was modeled after the modern era combat helmet giving the SS1 the highest coverage scores for both flag football and soccer.

Armor Foam closed-cell technology repels dirt, sweat, and smell

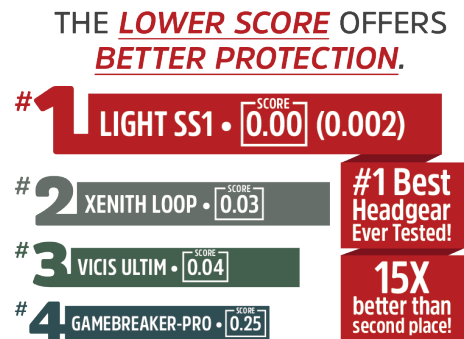
Vented design

Adjustable chin strap

Ear & jaw padding

Ability to add team/sponsor graphics and award decals

VIRGINIA TECH
SCORE



VIRGINIA TECH MEASURED THE IMPACT OF AN UNPROTECTED HEAD FORM BEING STRUCK WITH THE FOLLOWING HEADGEAR AT THE SAME VELOCITIES AND LOCATIONS OF THEIR STANDARD FLAG FOOTBALL TEST.



SIZING CHART: ADULT & YOUTH

TOOLS NEEDED:



FLEXIBLE
MEASURING
TAPE

OR



STRING
AND RULER



Find your measurement to determine the player's helmet size.

Using a flexible measuring tape (or a string and a ruler), measure the circumference of the player's head at the widest part (approximately 1" above the eyebrows).

SS1 SOFT SHELL HEADGEAR

SIZE	SMALL	MEDIUM	LARGE									
19.0"	19.5"	20.0"	20.5"	21.0"	21.5"	22.0"	22.5"	23.0"	23.5"	24.0"	24.5"	25"



LIGHT™

H E L M E T S

WWW.LIGHTHELMETS.COM

(760) 444-0082