



MADE IN TRENTON, NJ



PTEC40

DESIGNED + MANUFACTURED
IN TRENTON, NEW JERSEY SINCE 1975

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#BE BRIGHT



Princeton Tec®

TACTICAL



Photo: Jake Swanson

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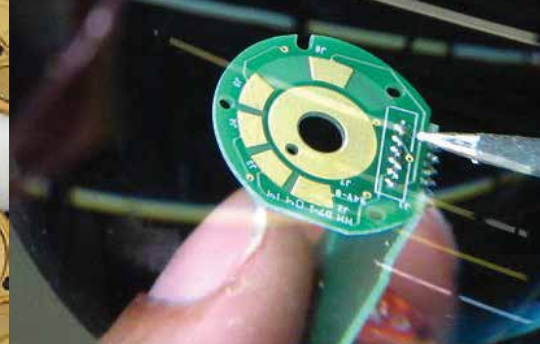


“TRENTON MAKES, THE WORLD TAKES”

This typographic sign on the south side of the Lower Trenton Bridge was first installed in 1935. The slogan came from a contest sponsored by the Trenton Chamber of Commerce in 1910. At that time, Trenton manufactured the wire rope necessary for construction of huge suspension bridges around the world. Pottery, automobiles, watches, textiles and cigars were also among the exports of this then booming city.

PROUDLY MADE IN TRENTON SINCE 1975

Princeton Tec is based in a part of New Jersey that was significantly invested in manufacturing from the 1800's until the 1970's. While the region's focus has shifted over the years, our company has not wavered in our promise: To create tools that help professionals of all types stay safe. Products that allow the boldest athletes to push their limits and raise the bar for what is possible. Lights that simply help you make the most of your precious spare time.



WE STARTED AT THE BOTTOM OF THE OCEAN AND HAVE BEEN EVOLVING EVER SINCE.

It all started 40 years ago in Princeton, New Jersey. Bill Stephens was running the dive shop he founded, and punching the clock at his day job. An engineer by day; an entrepreneur by night.

When Bill's 9 to 5 tried to relocate the Stephens family to Indianapolis, far away from the Atlantic Ocean where he loved to dive, Bill quit and refocused on manufacturing the industry's first automatic dive timer – he affectionately dubbed it the "Bottom Timer." This was the beginning of Princeton Tec.

Over the years, Scuba lights began to take over the PTEC line up. Eventually, Princeton Tec expanded its lighting solutions to fit the needs of more than just divers. Presently, PTEC develops and manufactures personal lighting systems for outdoor, tactical, industrial, bike and scuba professionals and enthusiasts alike.

Today, Princeton Tec is still a family-owned and run business with our own engineering and design teams. We run our own machine shop and injection molding facilities. Most importantly we've remained an American manufacturer and local employer since the beginning. We're proud of that fact.

Some of Princeton Tec's first products were dive handhelds. These have remained important products in our lineup ever since, but we've expanded our lineup to include outdoor, bike, tactical and industrial lighting.

OUTRANKS ANYTHING IN ITS CLASS.

BATTERY POWER METER



The battery power meter provides continuous feedback on the condition of the batteries, indicating high, medium or low battery life. This information allows you to make educated decisions about changing batteries or packing a spare set.

BEAM DISTANCE

Princeton Tec measures beam distance as the distance from the light source at which the light emitted is greater than .25 lumens, an amount of light which is similar to the amount of light that is cast by a full moon on a clear night.

BEAM PATTERNS

FOCUSED NARROW BEAMS



This pattern creates a long, powerful beam of light excellent for illuminating distant areas, or for use during fast paced activities.

FOCUSED WIDE BEAM



This beam pattern is an excellent choice for multipurpose activities. At close range, wide beams simulate normal daylight conditions and allow you to take advantage of your peripheral vision.

MULTIPLE MODE



Multiple settings on many of our products give you the flexibility to adjust your light's brightness to illuminate greater distances or to conserve battery power, depending on your needs.

MULTIPLE BEAM



This beam pattern combines focused narrow and wide beams to allow for the most versatility. At close range, the wide beams simulate normal daylight conditions so you can take advantage of your peripheral vision, while focused narrow beams provide distance illumination.

BURN TIME / LIGHT DURATION

Burntime is the time from the initial light output using fresh batteries, until the light output reaches .25 lux. This testing procedure is commonly referred to as the "Moonlight Standard," which was agreed upon by several headlamp manufacturers around 2002.

360° LIGHT



This light is designed for area illumination, and disperses light in a 360 degree pattern to light up a campsite or other area.

HALOGEN INCANDESCENT BULBS



work in exactly the same way as traditional incandescent bulbs found in your home, with one major difference: they contain halogen gas instead of nitrogen or argon. This difference allows the bulb to burn brighter, more efficiently, and for longer periods of time. The bulb needs to be replaced less frequently since filament life is extended.

XENON INCANDESCENT BULBS



come closest to replicating the color temperature of daytime light. They also generate about twice the brightness and consume about half the power of traditional halogen bulbs. Xenon lights are well-suited to applications where a long-throwing beam is required.

WEIGHT



Princeton Tec's advertised product weights always include batteries. For many products, battery weight is a large percentage of overall weight. Weight can be significantly reduced by using lithium batteries in lithium-compatible products.

UL CERTIFICATION



Underwriters Laboratories Inc. (UL) is an independent, not-for-profit product-safety testing and certification organization. They have been testing products for public safety for more than a century. In order for a product to bear the certified UL Mark, it must pass all UL requirements at their testing facility.

Princeton Tec lights that are UL certified fall into one of the following classifications: Class I – Division II – Groups A, B, C, & D, Class II - Division II – Groups F, & G, or Class I - Division I - Groups A, B, C, & D. Refer to the comparison chart in the rear of the catalog. Class I – Division II – Groups A, B, C, & D will be noted with one (+) Class II – Division II – approved for Groups F, & G, will be noted with two (++) - Class I - Division I Approved for groups A, B, C & D will be noted with three (+++)

LED

Light Emitting Diodes, commonly called LEDs, are illuminated by the movement of electrons in a semiconductor material. Unlike ordinary incandescent bulbs, LEDs are extremely efficient, don't have a filament that will burn out, and virtually last forever. LEDs are small, lightweight, and encased in a hard epoxy, making them virtually indestructible. LED technology is advancing rapidly to produce longer-throwing, brighter, whiter and more efficient light sources. All of the LEDs used in Princeton Tec's products are the highest quality available

MAXBRIGHT LED



The highest quality LED available. Princeton Tec's Maxbright LED is extremely bright and efficient. This single LED emits a smooth, powerful, white light useful for a wide range of tasks. Princeton Tec uses collimators or reflectors with the Maxbright LED depending upon the application.

ULTRABRIGHT LED



The Ultrabright LED is bright and efficient. The smooth, white, wide-beam light emitted by Ultrabright LEDs is ideal for close to mid-range tasks. Ultrabright LEDs are usually grouped together to offer a more powerful light source. Advances currently underway will continue to improve the efficiency and brightness of Ultrabright LEDs.

LED OPTIC COLLIMATOR



A collimator gathers all available light from an LED in the form of scattered rays and re-emits the light as parallel rays, making it more optically efficient than a standard reflector. Princeton Tec calibrates each collimator to the type of LED and application of each light. With proprietary optimized collimator/lens systems, Princeton Tec continues to advance LED technology.

REGULATED LED / CONSTANT BRIGHTNESS



Princeton Tec lights that feature regulated LEDs have a sophisticated regulating circuit that maintains initial brightness as long as the batteries have sufficient voltage. Traditional lights are very bright initially, but immediately begin to dim and continue to dim until the batteries are drained. Constant Brightness is a term used to describe products that have regulated LEDs.

LUMEN



The light output of Princeton Tec lights is measured in lumens. A lumen is unit derived by the International System of Units (SI) for measuring light output.

DIMMABLE LEDs



Dimmable LEDs provide the precise output needed for a given task, and help conserve battery power for maximum efficiency.

RECHARGEABLE



USB rechargeable lithium batteries are not only convenient, they also represent an economical and environmentally-friendly choice by eliminating the need for multiple sets of batteries over the life of your light.

HEATSINK TECHNOLOGY



Princeton Tec's proprietary ultralight heatsinks protect LEDs from overheating. Even though LEDs operate at much lower temperatures than traditional incandescent bulbs, they still generate heat. If this heat is not dissipated, the LED will suffer irreversible damage. By using heatsinks, Princeton Tec lights can burn at extreme brightness levels for long periods of time. The heatsink may be incorporated internally or externally depending on the product and its application.

WATERPROOF RATING SYSTEM

Princeton Tec has been designing lights that are compatible with the water for 40 years. Our lights are rated according to the International Electrotechnical Commission (IEC) standard.

IPX4



rated lights are designed for water resistance to splashing and quick dunkings. If a light with a IPX4 rating is accidentally submerged for a longer period of time, the batteries should be removed and the cabinets should be carefully inspected for signs of battery leakage. If water has entered the housing, the light should be dried and batteries replaced.

IPX7



rated lights provide waterproof integrity down to 1 meter for up to 30 minutes.

IPX8

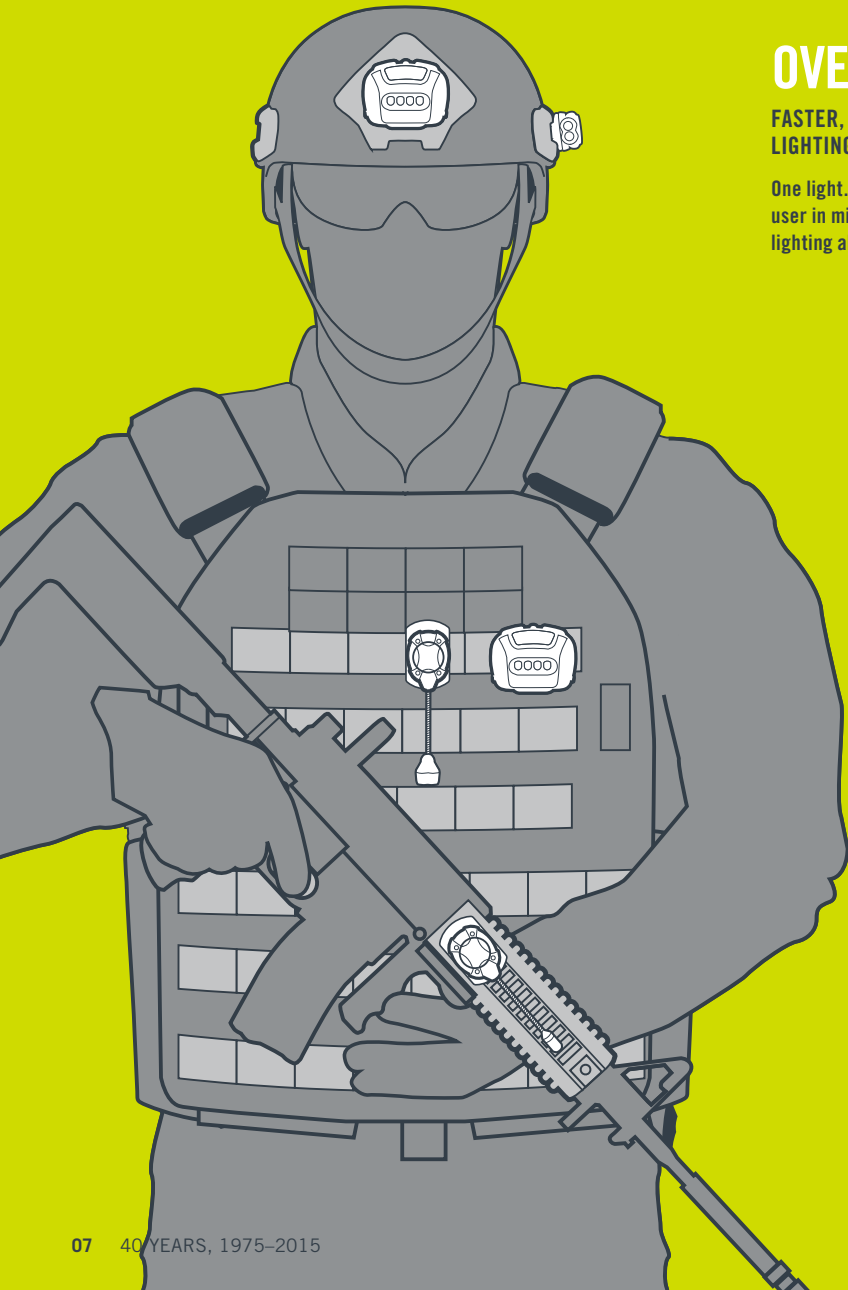


rated lights provide waterproof integrity for continual submersion in water at depths down to 100 meters. Lights that conform to this rating are commonly referred to as diveable.

MPLS

MODULAR PERSONAL LIGHTING SYSTEM

MODULAR PERSONAL LIGHTING SYSTEM: PRACTICAL, RELIABLE, FUNCTIONAL, BRIGHT



OVERVIEW

FASTER, MORE EFFECTIVE TACTICAL LIGHTING SOLUTIONS.

One light. Countless solutions to overcome darkness. Designed with the end-user in mind, the MPLS line of lights are designed to provide personal task lighting all while being extremely versatile, simple, and streamlined.

VERSATILITY

STATE OF THE ART MOUNTING SYSTEM OFFERS ULTIMATE UTILITY.

Go from helmet to MOLLE and back in a matter of seconds. With state of the art, intuitive mounting systems, the MPLS series of lights are designed to give you light where and when you need it. Rather than being bogged down with bulky lights that offer little versatility, the MPLS line offers unparalleled adaptability in order for soldiers to take full advantage of their surroundings.

MODULARITY

ONE LIGHT BODY MOVES FROM MOUNT TO MOUNT.

A single module that is able to switch between strategically placed (by you) mounts allows you to have multiple lighting options while keeping the weight on your gear to a minimum. The mounting system is simple and intuitive so that changing between module locations is not a hindrance. The modularity of the MPLS system allows you to be creative and versatile with your mounting options, so that you have the freedom to direct light where and when you need it, depending on your gear setup.

COMPONENT PIECES

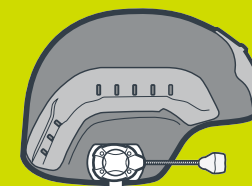
HELMET RAIL



NVG MOUNT



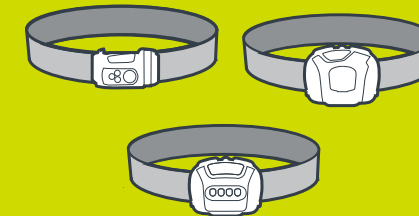
HELMET MOUNT



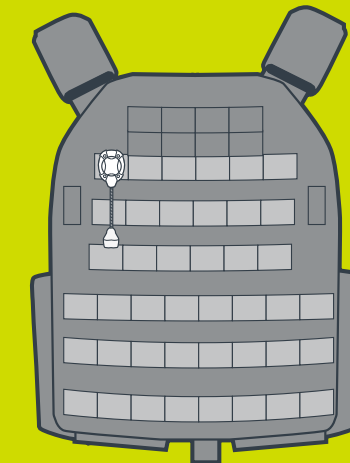
NVG MOUNT



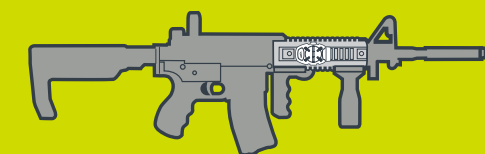
HEADSTRAP



MOLLE



PICATINNY



SIMPLICITY

PRACTICAL DESIGN MAKES FOR EASY OPERATION.

Aim. Activate. Illuminate. A simple and intuitive mounting system leaves you only one button press away from lighting up any immediate area. Designed by Princeton Tec, the rotating mounts of our Helmet Task Lights and the secure yet simple mounting on our MPLS Headlamps ensures fast, effective, and practical lighting options without any complications.

PRODUCTS

Our MPLS series ranges from close-range task lights to 150 lumen MPLS-adapted models of our already proven and reliable tactical headlamps. Whatever your circumstances call for, there is an MPLS light to handle the tasks you need to tackle.

Available mounting on NVG Shroud, OPS-Core VAS, ACH-ARC Rail, MOLLE, Headstrap, Picatinny and Magnetic.

AVAILABLE MPLS PRODUCTS

- Charge
- Charge Pro
- Point
- Switch
- Switch Rail
- Remix-MPLS
- Tac EOS-MPLS
- Tac Quad-MPLS
- Fuel-MPLS
- Fred-MPLS

MPLS TASK LIGHTS

**ULTRA LIGHT, ULTRA FUNCTIONAL
TASK LIGHTING.**

Designed for end-users who want to streamline their gear, yet remain functional and effective, the MPLS Task lights are small and lightweight to the point where you won't even feel them on the helmet. However, powerful LED technology allows for superb task lighting for multiple situations.

OVERVIEW

MPLS TASK LIGHTS:

TRULY VERSATILE

DESIGNED WITH THE ABILITY TO ADAPT.

Not only can the MPLS helmet task lights go wherever you have one of their four mounts, but they are able to bend, rotate, and change even from within the bracket. The result is task lighting bright and versatile enough for any close range tasks.

LIGHTS IN THE SYSTEM



CHARGE PRO - MPLS (PAGE 17/18)

The Charge Pro MPLS is the third generation in our evolving family, bridging the gap between helmet task light and high-power headlamps to keep your tactical lighting system simple and lightweight. CR123 powered.



CHARGE - MPLS (PAGE 19/20)

The Charge shares a common architecture with Charge Pro, and gives users another power option in the common AA battery.



SWITCH - MPLS (PAGE 21/22)

The Switch-MPLS is a second generation Helmet Task light with two separate LEDs in the head for increased versatility while keeping the weight down.



POINT - MPLS (PAGE 23/24)

The Point-MPLS is the original light in our MPLS line. With a single LED available in a variety of colors, simplicity and speed truly shine.

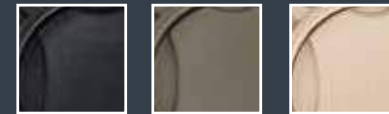


SWITCH RAIL- (PAGE 15/16)

The Switch Rail is a weapon light that mounts directly to Picatinny Rail, locating it close at hand. This light is low profile and provides discreet, highly directional light.

COLORWAYS

BODY COLORS



BLACK

OLIVE DRAB

TAN

LED COLORS

CHARGE / CHARGE PRO LED COLOR OPTIONS



SWITCH LED COLOR OPTIONS



POINT LED COLOR OPTIONS

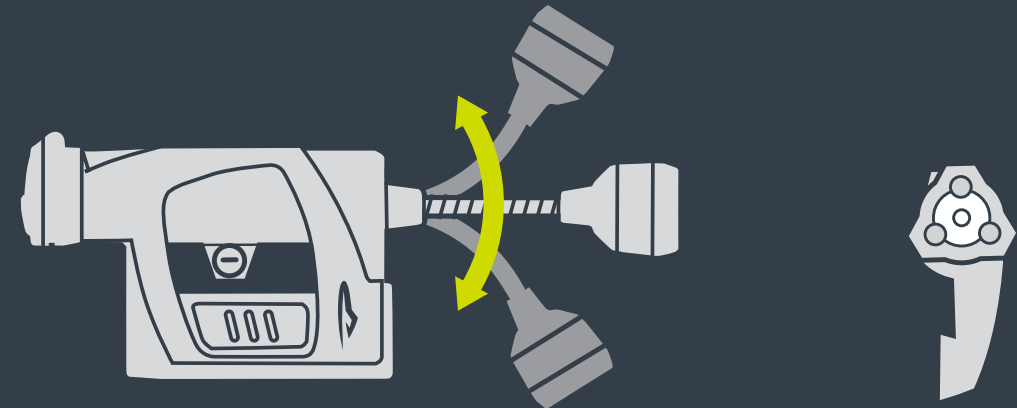


SWITCH RAIL LED COLOR OPTIONS



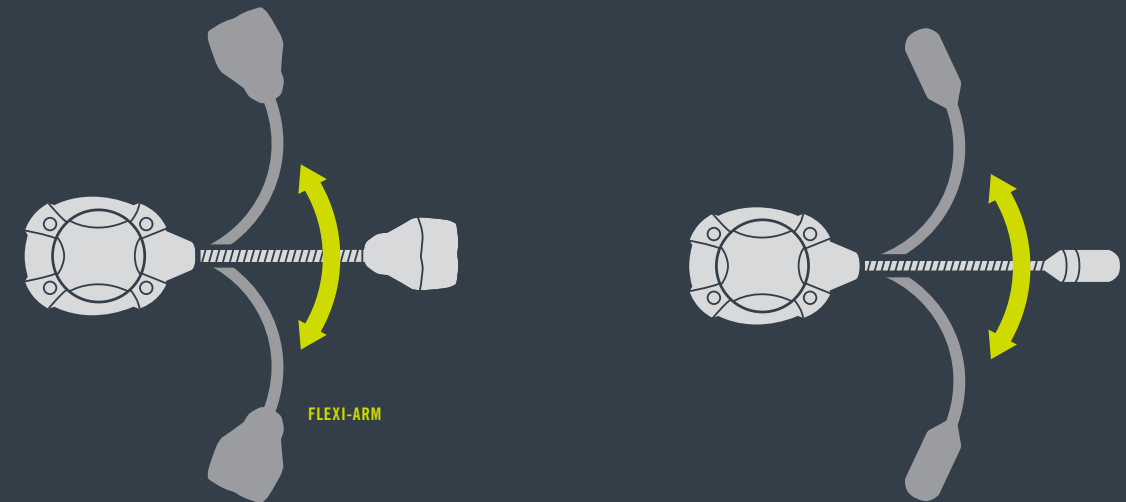
FLEXI-ARM DESIGN

The Charge MPLS Flexi-Arm design enables you to direct your light source wherever it is needed.



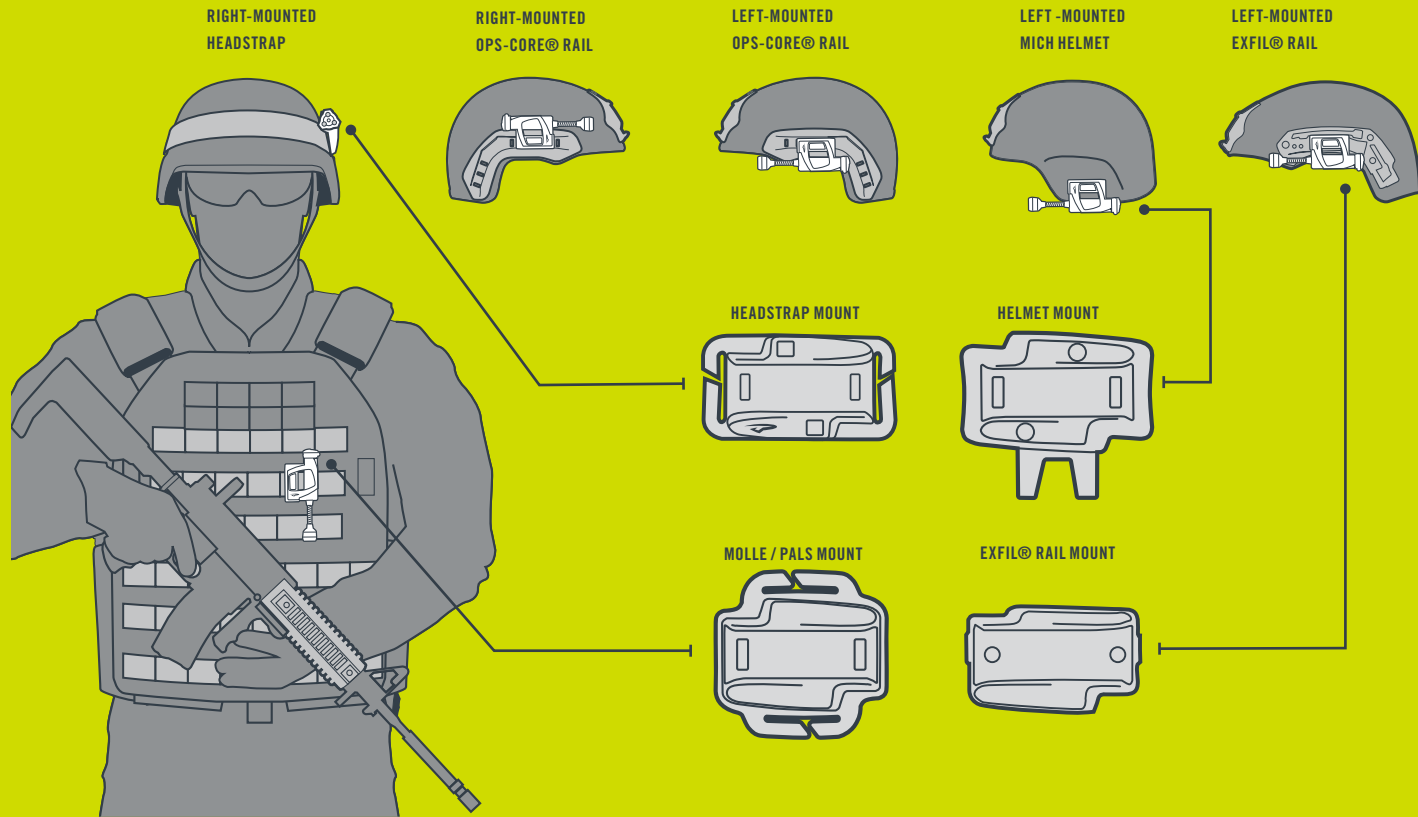
DIRECTIONAL FUNCTIONALITY - SWITCH & POINT

The key feature on the MPLS Task Lights is the flexi-arm design. Without removing the light from its mount, you are able to direct your light source anywhere in your immediate area. The flexi-arm is designed to be able to twist and bend around other necessary gear on your helmet or MOLLE, and with the ability to rotate up to 30° in either direction in the bracket, the MPLS Task lights will work with you, not against you.

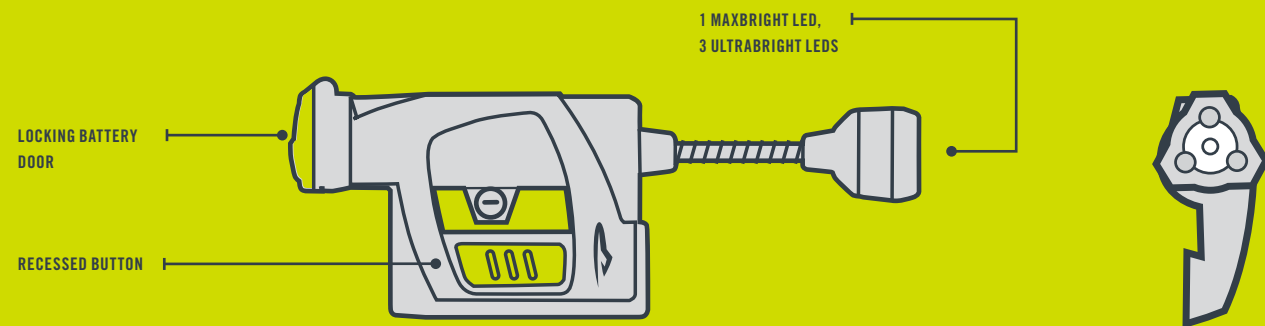


CHARGE / CHARGE PRO MOUNTING OPTIONS

Charge MPLS uses a versatile mounting system which allows for secure attachment to helmet rail systems or MOLLE/PALS. Once the light is in place, its flexible arm allows you to direct light wherever it is needed.



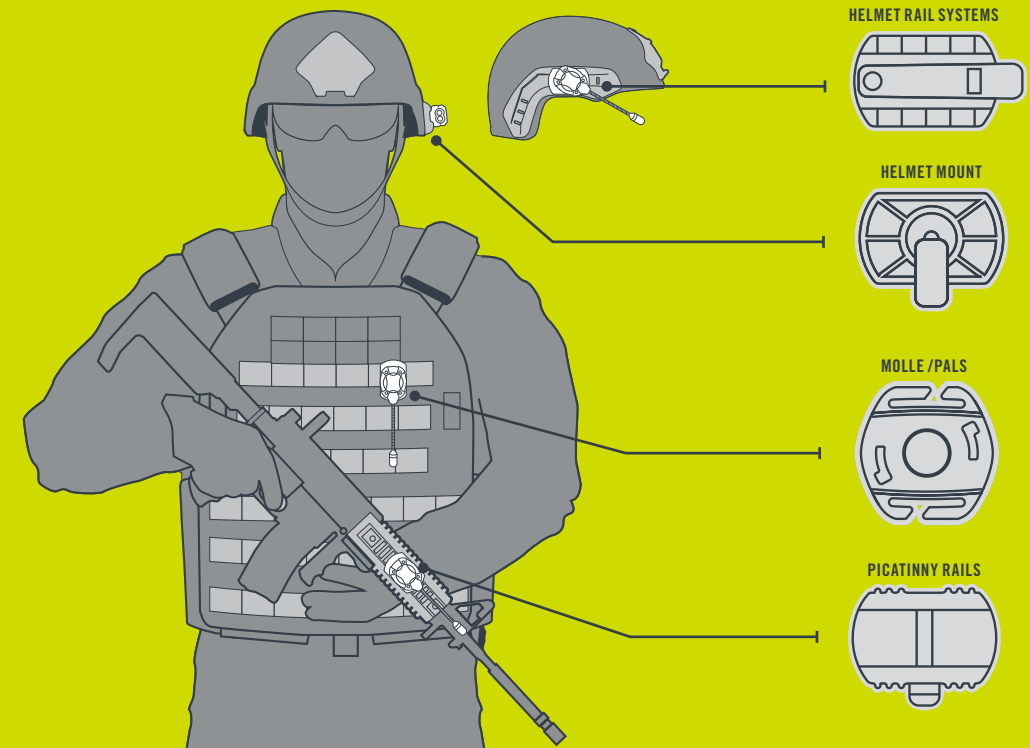
CHARGE / CHARGE PRO DESIGN FEATURES



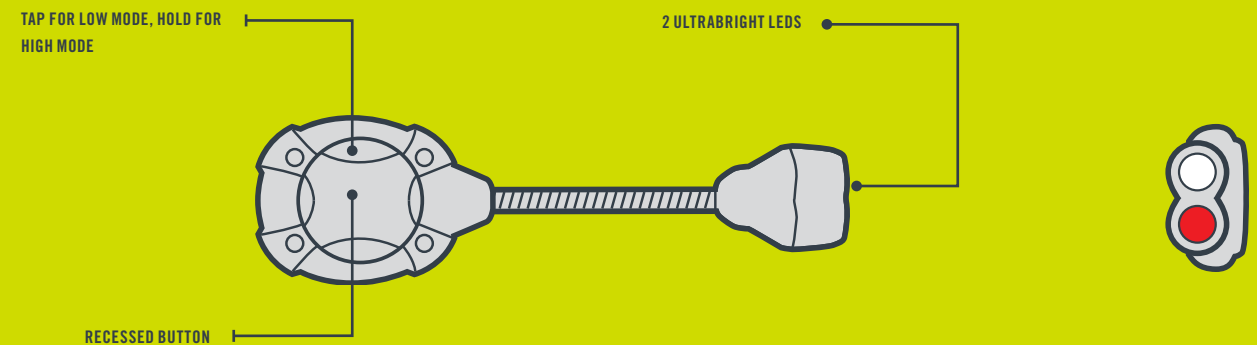
SWITCH AND POINT MPLS MOUNTING OPTIONS

Designed to be fast and effective, the MPLS Task lights can be off your helmet and onto your weapon, MOLLE, gear strap, or any magnetic surface in a matter of seconds with the included component pieces*. The mounts stay secured, while the small MPLS helmet task light does the moving.

*Note: Shown with optional MPLS accessory kit - see page 50.



SWITCH AND POINT MPLS DESIGN FEATURES





SWITCH® RAIL



LOW OUTPUT ILLUMINATION FOR SIGNATURE REDUCTION DURING PATROL, STEALTH STRUCTURE SEARCH, APPROACH TO TARGET, AND BREACHING OPERATIONS.

Switch Rail is a low-signature weapon mounted task light. Designed for navigation, signature reduction, stealth structure search and breaching operations, this light has recessed LEDs that provide discreet lighting. Switch Rail attaches directly to Picatinny Rail for secure mounting. A single button allows access to momentary or constant lighting modes.



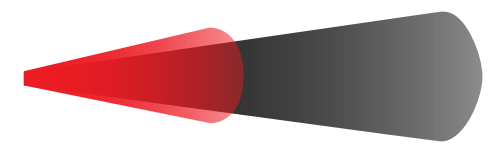
COLORS



SPECS

POWER	10 Lumens
LAMP	2 Ultrabright LEDs
BURN TIME	36 Hours
BATTERIES	(2) 2016 Lithium Coin Cell (2032 for red and infrared LED)
WEIGHT	0.77oz / 22g With batteries
WATER RESISTANT	IPX7

BEAM PATTERN

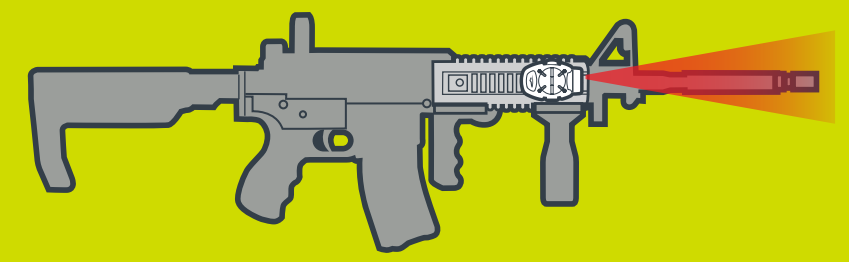


TECHNOLOGY

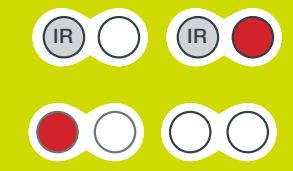


MOUNTING OPTIONS

MOUNTS DIRECTLY TO PICATINNY RAIL



LED COLOR OPTIONS





CHARGE™ PRO-MPLS

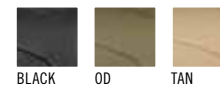


THE LOWEST PROFILE HELMET LIGHT AVAILABLE. POWERFUL SPOT BEAM PLUS COVERT TASK LIGHTING TO GET THE JOB DONE.

CR123 power and special circuitry in a low profile package address the lighting needs of users on the toughest missions. Charge Pro MPLS has the exclusive flexi-neck design that gets spot illumination to the task at hand. Charge Pro has advanced circuitry and a CR123 lithium power source for viability in extreme temperature conditions and compatibility with the same batteries as the rest of your gear. Charge Pro incorporates a high power white Maxbright LED for distance spotting, and a cluster of three Ultrabright LEDs (available in choice of red, blue, green, infrared or R/B/IR and R/G/IR combinations) to meet the needs of specialized users.



COLORS



SPECS

POWER	55 Lumens
LAMP	1 Maxbright LED 3 Ultrabright LED
BURN TIME	45 Hours
BATTERIES	1 CR123 Lithium
WEIGHT	1.670Z / 47g With batteries
WATERPROOF	1 Meter IPX7

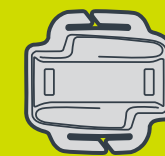
BEAM PATTERN



TECHNOLOGY



INCLUDED MOUNTING HARDWARE



MOLLE / PALS



Helmet Mount
for ACH, ECH & MICH



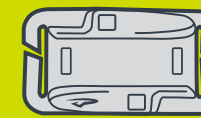
EXFIL® Rail Adapter Mount



Clips included for proper
fit on all helmets

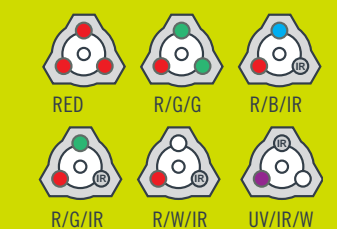


Headstrap



Headstrap Mount

LED COLOR OPTIONS



RED

R/G/G

R/B/IR

R/G/IR

R/W/IR

UV/IR/W



CHARGE™-MPLS



HIGH AND LOW POWER LED OPTIONS PROVIDE BIG MUSCLE OR COVERT LIGHTING TO GET THE JOB DONE.

The Charge MPLS is the natural evolution of personal task lights, with the flexi-neck design that gets spot illumination to the task at hand. New for the Charge is the addition of a higher power Maxbright LED with a wide beam pattern that makes bright light easily accessible with a two-second press of the button. A momentarily press of the button illuminates a cluster of three Ultrabright LEDs, available in choice of red, blue, green, infrared or R/B/IR and R/G/IR combinations.

COLORS



SPECS

POWER	55 Lumens
LAMP	1 Maxbright LED 3 Ultrabright LED
BURN TIME	24 Hours
BATTERIES	1 AA Lithium
WEIGHT	1.67oz / 47g With batteries
WATERPROOF	1 Meter IPX7
NSN	6230-01-606-1473

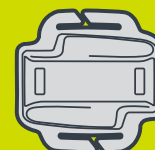
BEAM PATTERN



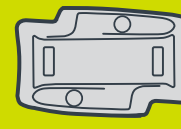
TECHNOLOGY



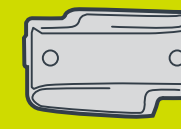
INCLUDED MOUNTING HARDWARE



MOLLE / PALS



Helmet Mount
for ACH, ECH & MICH



EXFIL® Rail Adapter Mount



Clips included for proper
fit on all helmets

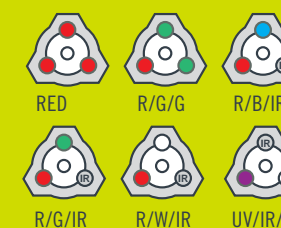


Headstrap



Headstrap Mount

LED COLOR OPTIONS



RED R/G/G R/B/IR
R/G/IR R/W/IR UV/IR/W



SWITCH™-MPLS



DUAL LED DESIGN PROVIDES SPECIALTY LIGHTING FOR NUMEROUS TASKS.

The Switch-MPLS is designed as a personal task light that offers very light weight and unmatched versatility. Combining functionality with intuitive design is the name of the game when you have a dual-LED head on a flexi-neck design. Specialty lighting colors are important during tasks that require night vision preservation. The Switch-MPLS will always turn on in the low power specialty color mode. A two second hold of the large push button will activate the bright white LED mode for better illumination.



COLORS



SPECS

POWER 10 Lumens
LAMP 2 Ultrabright LEDs
BURN TIME 36 Hours
BATTERIES (2) 2016 Lithium Coin Cell (2032) for red and infrared LED)
WEIGHT 0.6oz / 17g With batteries
WATER RESISTANT IPX4

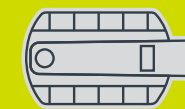
BEAM PATTERN



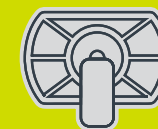
TECHNOLOGY



MOUNTING OPTIONS



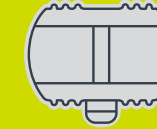
HELMET RAIL SYSTEMS



HELMET MOUNT



MOLLE / PALS



PICATINNY RAILS

LED COLOR OPTIONS





POINT™-MPLS



**SINGLE LED HEAD ON A FLEXI-ARM NECK
ALLOWS FOR ADEQUATE LIGHTING IN ANY
SITUATION.**

Designed for the end-user needing to streamline their gear, the MPLS-Point offers powerful LED technology in a virtually weightless package. Simplicity is key with a large, positive feeling push button and a single LED. With the capability to be mounted practically anywhere, you'll never need to take your eyes off of your task at hand with the MPLS-Point.



COLORS



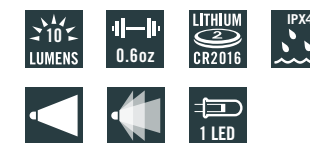
SPECS

POWER	10 Lumens
LAMP	1 Ultrabright LED
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BATTERIES	(2) 2016 Lithium Coin Cell (2032 for red and infrared LED)
WEIGHT	0.6oz / 17g With batteries
WATER RESISTANT	IPX4

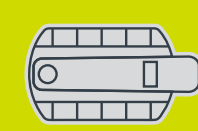
BEAM PATTERN



TECHNOLOGY



MOUNTING OPTIONS



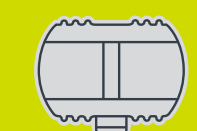
HELMET RAIL SYSTEMS



HELMET MOUNT



MOLLE / PALS



PICATINNY RAILS

LED COLOR OPTIONS





MPLS HEADLAMPS

OUTFIT YOUR HELMET OR MOLLE WITH A BRIGHT, RUGGED, AND RELIABLE PRINCETON TEC TACTICAL HEADLAMP

The MPLS Headlamp system utilizes Princeton Tec's existing line of Tactical Headlamps and transforms them into Modular Personal Lighting Systems. Designed to fit directly into standard Night Vision Goggle adapter plates, you can now have up to 150 lumens of regulated light directly attached to your helmet.

Additional mounts to attach to MOLLE, included headstrap, or any piece of 1" webbing are included for increased versatility.

OVERVIEW

MPLS HEADLAMPS:

POWERFUL LIGHTING

UNMATCHED BRIGHTNESS TO ACCOMPLISH ANY MISSION.

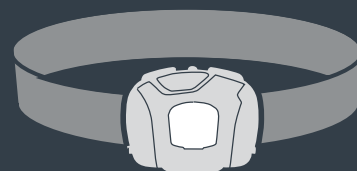
When your mission requires more power than a simple task light, the MPLS Headlamp system is your solution. Utilizing different LED styles and formations, there is a full line of headlamps to choose from for accomplishing your tasks. From a 150 lumen spot beam to a four-Ultrabright LED area light, there is a light for every end-user's needs.

HEADLAMPS IN THE SYSTEM



REMIX/REMIX PRO (PAGE 30)

The most versatile headlamps in our MPLS System. Easily switch from area lighting in a variety of colors to a 150 Lumen spot beam in mere seconds.



TAC EOS (PAGE 31)

A 60 lumen, single LED, rugged, waterproof, overmolded headlamp complete with colored lens filters is tough and versatile enough for a variety of tasks.

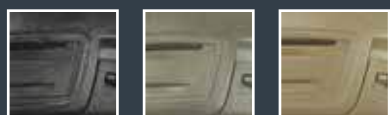


TAC QUAD (PAGE 32)

Utilizes the same superior engineering of the EOS, but with Four Ultrabright LEDs for superb area lighting.

COLORWAYS

BODY COLORS



BLACK OLIVE DRAB TAN

HEADSTRAP COLORS



MULTI-CAM TAN BLACK OLIVE DRAB

LED COLOR OPTIONS

REMIX / REMIX PRO LED COLOR OPTIONS



TAC EOS LENS OPTIONS



BLUE, GREEN & RED INTERCHANGEABLE LENSES



LENS HOLDER INCLUDED

TAC QUAD LENS OPTIONS

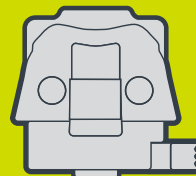


BLUE, GREEN & RED INTERCHANGEABLE LENSES



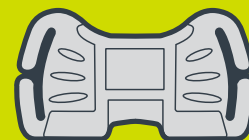
LENS HOLDER INCLUDED

MOUNTING OPTIONS



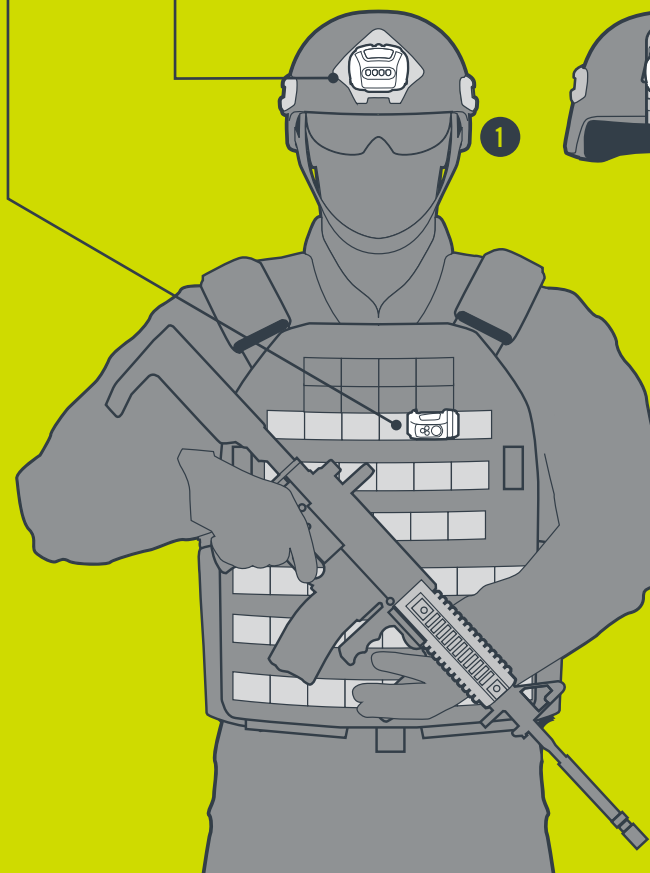
NVG ADAPTER PLATE FOR HELMETS

Quickly attach and detach your MPLS Headlamp from the NVG mount on your helmet using the NVG Adapter Plate. The MPLS Headlamp set is designed to quickly attach into a standard shroud mount as well as an OPS-Core VAS shroud mount. The bracket is designed to be very secure, yet provide easy functionality so that you can quickly add or remove the MPLS light from the helmet mount. Our MPLS Headlamps are lightweight, all weighing in at less than 110 grams, so you can have a powerful, clean, and changeable light source without any bulkiness or discomfort.



BRACKET FOR MOLLE AND HEADSTRAP

The second attachment that comes with the MPLS Headlamp system is for your MOLLE and included headstrap. Having a powerful light on the MOLLE vest is advantageous when your helmet is already bogged down with other necessary accessories. When attached to the webbing on your MOLLE vest, the MPLS light is in the perfect position to illuminate maps, close paths, and everything else in front of you without having to swap out your helmet accessories. This mounting option also allows you to attach the MPLS light to gear straps on various bags, or the included headstrap for hands-free operation when not wearing a helmet.



1



2



3

HELMET MOUNTS FIT:

1. OPS-CORE Helmet
2. MICH NVG
3. Standard MICH Helmet with headstrap



REMIX[®] PRO-MPLS

NOW WITH WHITE, RED AND BLUE VISIBLE LIGHT, PLUS IR.

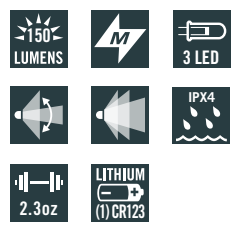
The new Remix Pro packs a bright 150 lumen spot beam, an array of Ultrabright LEDs in red, green and blue for administrative lighting, plus a flashing IR option. The headlamp will always turn on in low signature mode; holding the button down illuminates the high power spot beam. This headlamp is powered by a single CR123 battery providing excellent cold weather performance and light weight. Combine these features with a large on/off button, easy access battery door and a reliable asymmetrical bracket, and you can be sure that the Remix Pro is equipped to endure your next mission.



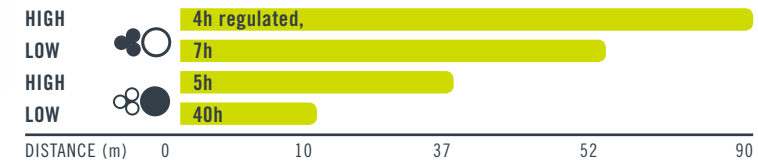
SPECS

MAX POWER LAMP	150 Lumens 1 Maxbright LED 3 Ultrabright LEDs
MAX BURN TIME	40 Hours
BATTERIES	1 CR123 (included)
WEIGHT	2.3oz / 66g with batteries
WATER RESISTANT	(IPX4)
NSN	6230-01-633-4682

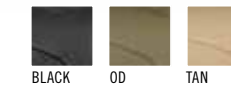
TECHNOLOGY



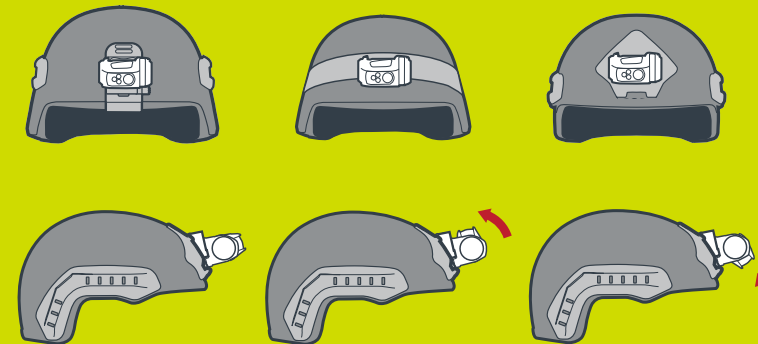
4 MODES



COLORS



MOUNTING OPTIONS



LED COLOR OPTIONS

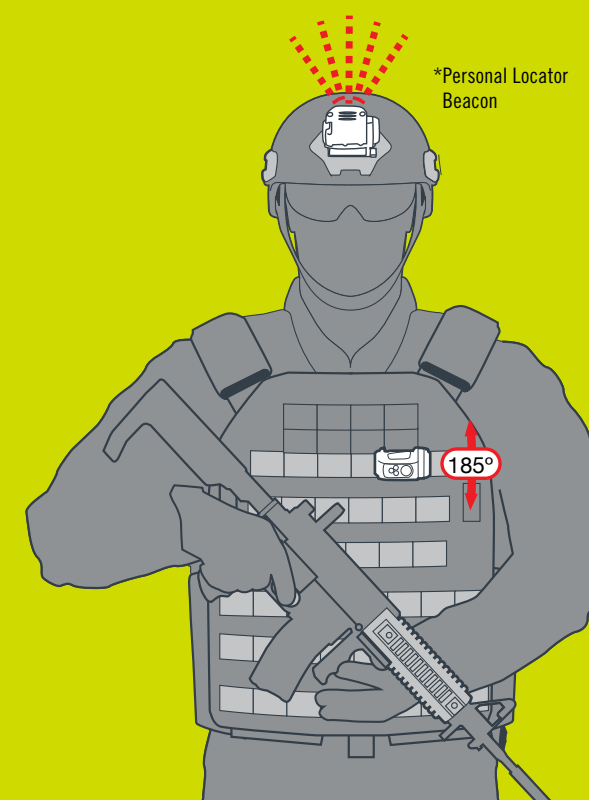


Photo: Jake Swanson

EOS[®] TACTICAL-MPLS



SINGLE MAXBRIGHT LED PROVIDES POWERFUL SPOT LIGHTING.

The EOS Tactical MPLS is where the fast and effective capabilities of the MPLS system meet ruggedness and durability. Princeton Tec's premiere overmolding process results in a waterproof, drop-proof, reliable housing. This headlamp boasts four output modes, the strongest of which can shine up to 60m. The interchangeable lens filter system is included. The EOS Tactical-MPLS is strong, stealthy, and state-of-the-art.



COLORS



SPECS

MAX POWER	60 Lumens
LAMP	1 Maxbright LED (Regulated)
MAX BURN TIME	121 Hours
BATTERIES	3 AAA Alkaline (Included) or Lithium
WEIGHT	3.6oz / 103g With Batteries
WATERPROOF	1 Meter (IPX7)

TECHNOLOGY

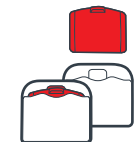


4 MODES

HIGH	Reg. Burn Time 1h Total Burn Time 113h
FLASH	12h / 116h
MEDIUM	10h / 115h
LOW	50h / 121

DISTANCE (m) 0 15 45 60

Interchangeable Lens system provides your choice of red, blue or green light. The installed color lens conveniently slides out of the way (hidden within the light body) to provide white light without risk of losing the lens.



LENS HOLDER INCLUDED

QUAD[®] TACTICAL-MPLS

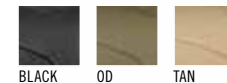


FOUR ULTRABRIGHT LEDS CREATE A CLEAN FLOOD BEAM.

The Quad Tactical MPLS takes our durable and lightweight Tactical Quad headlamp and makes it a modular force with Princeton Tec's MPLS engineering. Four ultrabright LEDs provide 78 lumens of area lighting. The four lens filters further increase the MPLS system's adaptability, so you can have multiple colors of light in a variety of locations.



COLORS



SPECS

MAX POWER	78 Lumens
LAMP	4 Ultrabright LEDs (Regulated)
MAX BURN TIME	105 Hours
BATTERIES	3 AAA Alkaline (Included) or Lithium
WEIGHT	3.6oz / 101g With Batteries
WATERPROOF	1 Meter (IPX7)

TECHNOLOGY

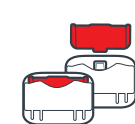


4 MODES

HIGH	Reg. Burn Time 1H Total Burn Time 105H
FLASH	5h / 110h
MEDIUM	10h / 99h
LOW	31h / 97h

DISTANCE (m) 0 9 19 30 50

Interchangeable Lens system provides your choice of red, blue or green light. The installed color lens conveniently slides out of the way (hidden within the light body) to provide white light without risk of losing the lens.



LENS HOLDER INCLUDED



HEADLAMPS

Built with the same reliability and ingenuity of our MPLS line, our standard line of Tactical Headlamps offers the same superb capabilities with simple functionality.

REMIX[®] PRO



LITHIUM POWERED AND LIGHTWEIGHT.

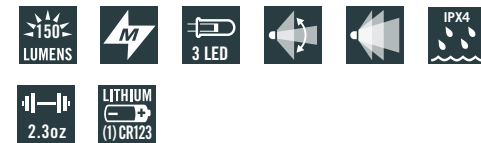
The Remix Pro is powered by a single CR123 battery providing excellent performance in cold weather, light weight, and compact size. Although the Remix Pro provides dual light output modes, it will always turn on in low mode on the Ultrabright setting. Combine these features with a large on/off button, an easy access battery door and a reliable asymmetrical bracket, and you can be sure that The Remix Pro is equipped to endure the rigors of your next adventure.



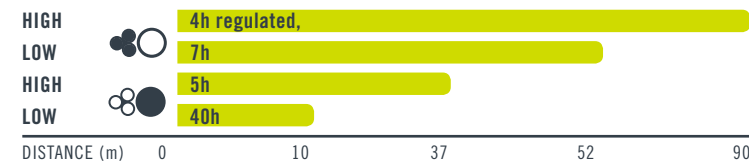
SPECS

MAX POWER	150 Lumens
LAMP	1 Maxbright LED 3 Ultrabright LEDs
MAX BURN TIME	40 Hours
BATTERIES	1 CR123 (included)
WEIGHT	2.3oz / 66g with batteries
WATER RESISTANT	(IPX4)
NSN	6230-01-606-1095

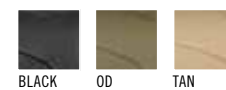
TECHNOLOGY



4 MODES



COLORS



LED COLOR OPTIONS



REMIX[®]



HYBRID LED DESIGN FOR AREA LIGHTING OR SPOT BEAM.

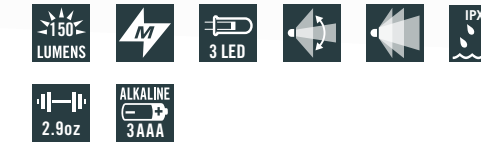
The Remix is equipped with an asymmetrical single arm bracket, easily accessible battery door enclosure, and large push button switch. Combine these features with a simple & lightweight design and you have a headlamp built to perform in any environment. Whether your requirements call for long distance spotting, or close range area light, the Remix is up to the task with a combination of a single Maxbright LED and 3 Ultrabright LEDs. The end result; true versatility in a compact, water resistant, and self-contained package.



SPECS

MAX POWER	150 Lumens
LAMP	1 Maxbright LED 3 Ultrabright LEDs
MAX BURN TIME	200 Hours
BATTERIES	3 AAA Alkaline (included)
WEIGHT	2.9oz / 83g with batteries
WATER RESISTANT	IPX4

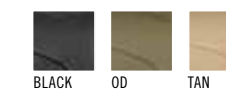
TECHNOLOGY



4 MODES



COLORS



LED COLOR OPTIONS



EOS[®] TACTICAL



MULTIPLE LENS FILTERS TO CREATE ANY COLOR SPOT BEAM.

The EOS Tactical headlamp is compact, military tough and is housed in an ultra light, 3-AAA platform. Princeton Tec's premiere overmolding process results in a waterproof, drop-proof, reliable housing. This headlamp boasts four output modes, the strongest of which can shine up to 60m. The EOS Tactical is strong, stealthy, and state-of-the-art.



SPECS

MAX POWER	60 Lumens
LAMP	1 Maxbright LED (Regulated)
MAX BURN TIME	121 Hours
BATTERIES	3 AAA Alkaline (Included) or Lithium
WEIGHT	3.6oz / 103g With Batteries
WATERPROOF	1 Meter (IPX7)
NSN	6230-01-537-9090

TECHNOLOGY

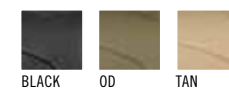


4 MODES

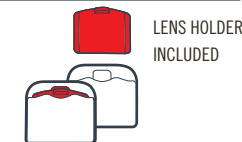
HIGH	Reg. Burn Time 1h Total Burn Time 113h
FLASH	12h / 116h
MEDIUM	10h / 115h
LOW	50h / 121

DISTANCE (m) 0 15 45 60

COLORS



Interchangeable Lens system provides your choice of red, blue or green light. The installed color lens conveniently slides out of the way (hidden within the light body) to provide white light without risk of losing the lens.



QUAD[®] TACTICAL



WIDE FLOOD PATTERN IN A RUGGED AND DURABLE HOUSING.

Four Ultrabright LEDs offer a wide, bright area flood light. Housed in the same rugged body style as the EOS Tactical, The Quad Tactical Headlamp is durable and rugged. The interchangeable lens filter system allows you to swap between light colors depending on your task.



SPECS

MAX POWER	78 Lumens
LAMP	4 Ultrabright LEDs (Regulated)
MAX BURN TIME	105 Hours
BATTERIES	3 AAA Alkaline (Included) or Lithium
WEIGHT	3.6oz / 101g With Batteries
WATERPROOF	1 Meter (IPX7)
NSN	6515-01-518-3823

TECHNOLOGY

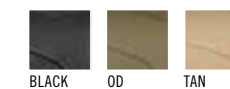


4 MODES

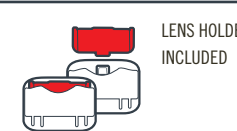
HIGH	Reg. Burn Time 1H Total Burn Time 105H
FLASH	5h / 110h
MEDIUM	10h / 99h
LOW	31h / 97h

DISTANCE (m) 0 9 19 30 50

COLORS



Interchangeable Lens system provides your choice of red, blue or green light. The installed color lens conveniently slides out of the way (hidden within the light body) to provide white light without risk of losing the lens.



U.S. Army photo by Sgt. Kimberly Trumbull

BYTE®

Think big by thinking small. Don't be fooled by its size - although smaller and lighter than its big brothers Sync and Remix, Byte packs a powerful punch thanks to a Maxbright LED with two modes. The softer side of Byte comes in the form of a red Ultrabright LED to ensure that your night-adjusted vision will never be compromised. Byte is equipped with a battery lockout, asymmetrical single arm bracket, easily accessible battery door enclosure, and large push button switch, all at just 64 grams.



SPECS

MAX POWER	70 Lumens
LAMP	1 Maxbright LED 1 Red Ultrabright LED
MAX BURN TIME	96 Hours
BATTERIES	2 AAA Alkaline (included), or Lithium
WEIGHT	2.25oz / 64g with batteries
WATER RESISTANT	(IPX4)

TECHNOLOGY

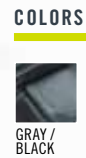


3 MODES



SYNC®

Evolving the next generation of The Family series was no easy task. When developing the Sync we started with the proven foundation of our stable asymmetrical single arm bracket, integrated essential modes to please a wide variety of discerning users, and tied it all together with an easy to use interface. Sync allows direct access to a red LED, spot beam, and flood beam by a twist of the power dial. For those times that require max output a further rotation of the dial accesses a dual beam mode - spot and flood at the same time.



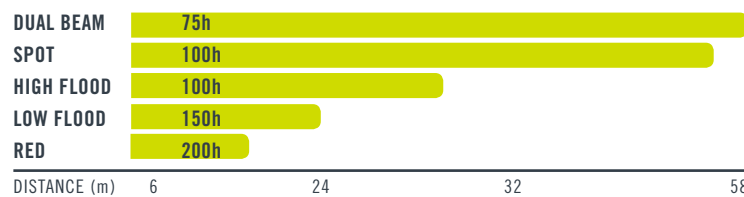
SPECS

MAX POWER	90 Lumens
LAMP	1 Maxbright LED w/ Spot Beam, 1 Maxbright LED w/ Flood 1 Red Ultrabright LED
MAX BURN TIME	150 Hours
BATTERIES	3 AAA Alkaline (Included)
WEIGHT	2.9 oz / 83g with batteries
WATER RESISTANT	(IPX4)

TECHNOLOGY



4 MODES

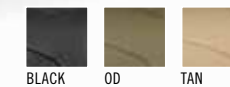


FRED®

For years, the Fuel headlamp has been a staple in the outdoor community. We've taken the intuitive engineering and lightweight design of the Fuel and enhanced it. With the increased demand for red lighting to preserve night vision, the Fred was born. Boasting one red LED and 3 white LEDs, the Fred provides the same great area lighting as the Fuel, but provides necessary red lighting when needed.



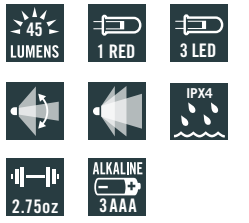
COLORS



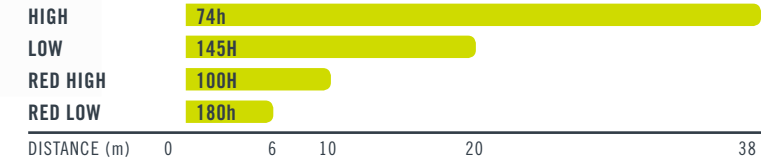
SPECS

MAX POWER	45 Lumens
LAMP	3 White Ultrabright LEDs 1 Red Ultrabright LED
MAX BURN TIME	145 Hours
BATTERIES	3 AAA Alkaline (Included)
WEIGHT	2.75oz / 78g With Batteries
WATER RESISTANT	(IPX4)

TECHNOLOGY



4 MODES

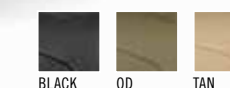


FUEL®

What could be better than a light that weighs only 78g with 70 lumens of brightness and 146 hours of burn time? A light that also has an asymmetrical single arm bracket that makes directing the light effortless and reliable; a large, easy to find push button switch and a virtually bulletproof, easy access battery door that protects the 3AAAs and its electronics. Yea, that's pretty much it. Simple. Perfect. Fuel.



COLORS



SPECS

MAX POWER	70 Lumens
LAMP	4 Ultrabright LEDs
MAX BURN TIME	146 Hours
BATTERIES	3 AAA Alkaline (Included)
WEIGHT	2.75oz / 78g With Batteries
WATER RESISTANT	(IPX4)
NSN	6230-01-537-7120

TECHNOLOGY



4 MODES



APEX[®] PRO



Where lightweight is a must, ultimate power and function are a demand, and durability is an expectation – we introduce you to the Apex Pro. Professional athletes and adventurers around the world have marveled at the power of the Apex. In an effort to meet their unique and ever evolving needs, we have developed the Apex Pro to provide a faster and lighter option while still providing the ultimate in brightness and output. The Apex Pro is powered by 2 CR123 lithium batteries protected in a highly durable and waterproof case. Designed for professionals, and perfect for all users.



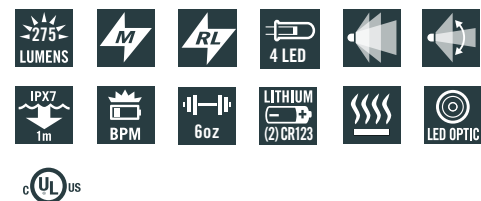
SPECS

MAX POWER	275 Lumens
LAMP	1 Maxbright LED (Regulated) 4 Ultrabright LEDs (Regulated)
MAX BURN TIME	35 Hours
BATTERIES	2 CR123 Lithium (included)
WEIGHT	6oz / 173g With Batteries
WATERPROOF	1 Meter (IPX7)
NSN	6230-01-578-3637

4 MODES

MB LED, HIGH	Reg. Burn time 1.5h, tot. Burn time 15h
MB LED, LOW	7h / 20h
UB LEDS, HIGH	5.5h / 12h
UB LEDS, FLASH	20h / 100h
UB LEDS, LOW	12h / 35h
DISTANCE (m)	26 43 67 120

TECHNOLOGY



COLORS



REMIX[®] RECHARGEABLE

Starting with the hybrid LED array of the Remix headlamp, the Remix Rechargeable gains a rechargeable lithium-ion battery pack, rear mounted for balance and to provide a platform for flashing rear lights. A micro-USB port allows for charging, and the battery power meter shows charge status at a glance. This dual fuel light can run on three AAA batteries should the need arise. Light head rotates back to protect the power button during storage and transport.



COLORS



SPECS

MAX POWER	200 Lumens
LAMP	1 Maxbright LED (Dimmable) 3 Ultrabright LEDs (Dimmable)
MAX BURN TIME	36 Hours
BATTERIES	Lithium Rechargeable 3 AAA Alkaline
WEIGHT	5.5oz / 155g with batteries
WATER RESISTANT	IPX4

TECHNOLOGY



4 MODES

HIGH	2h regulated, 6h Total
LOW	3h reg, 24h Tot.
HIGH	12h
LOW	36h
DISTANCE (m)	0 10 37 52 90

VIZZ[®]

The Vizz is feature-loaded with three distinct beam profiles easily accessed via a simple press, hold, or double press of the switch. One Maxbright LED creates a powerful spot beam for longthrow illumination, a pair of white Ultrabright LEDs deliver a dimmable flood beam, and two red Ultrabright LEDs handle close-range lighting while preserving night adjusted vision. When not in use the Vizz can be locked to prevent accidental turn on, and the translucent switch acts as a low battery indicator when the 3AAA batteries become drained. As with all of PTEC Professional Series headlamps, the Vizz is waterproof (IPX7) and is equipped with regulated circuitry making the Vizz lithium battery compatible.



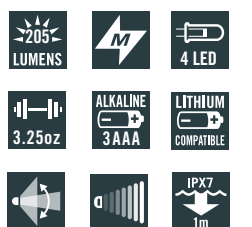
COLORS



SPECS

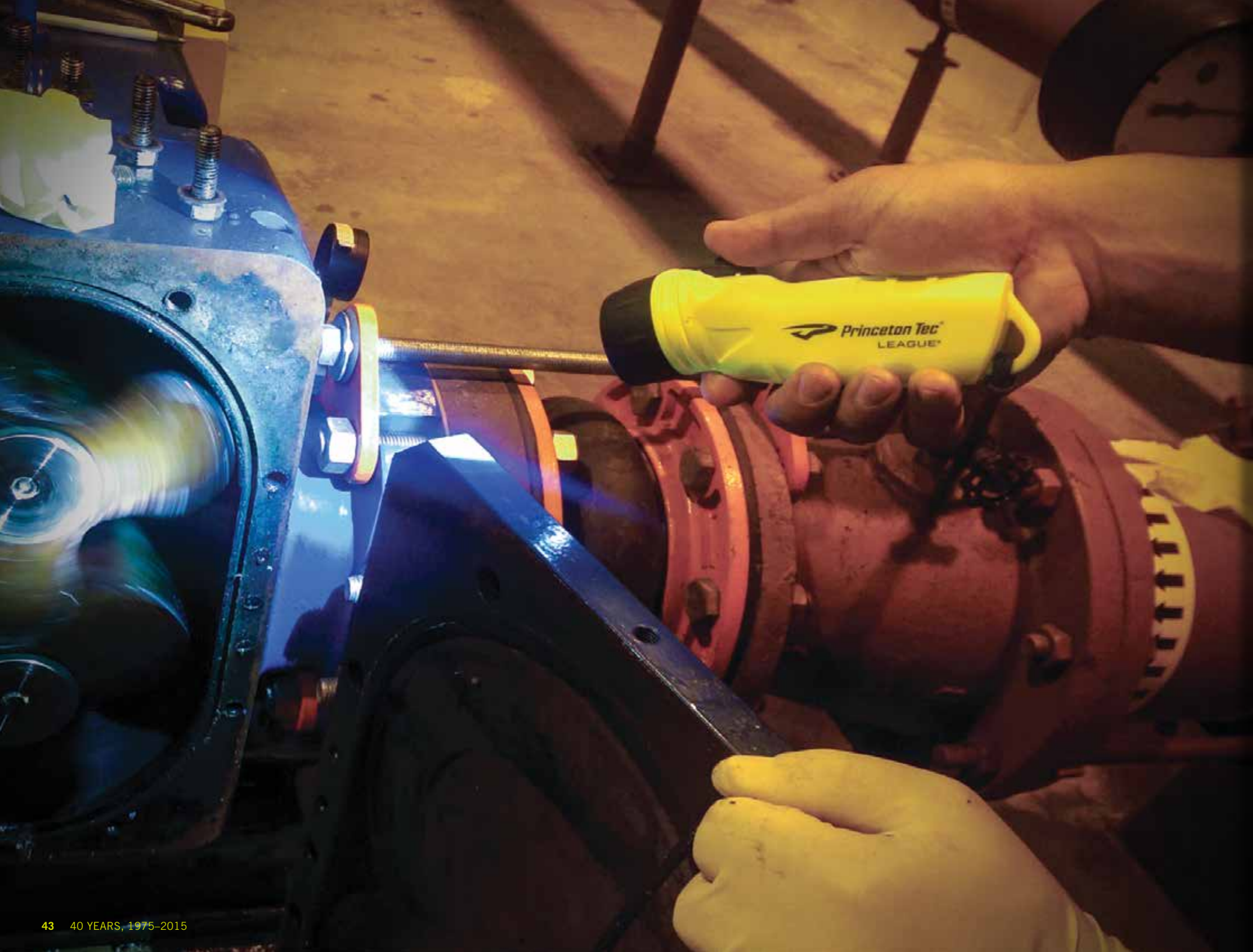
MAX POWER	205 Lumens
LAMP	1 Maxbright LED 2 White Ultrabright LEDs (dimnable) 2 Red Ultrabright LEDs
MAX BURN TIME	160 Hours
BATTERIES	3 AAA Alkaline (Included)
WEIGHT	3.25oz / 92g With Batteries
WATERPROOF	1 Meter (IPX7)

TECHNOLOGY



3 MODES

MAXBRIGHT HIGH	3h Regulated, 110h Total
ULTRABRIGHT WHITE	120h
ULTRABRIGHT RED	160h
DISTANCE (m)	0 20 30 90



HANDHELDS

Durable, waterproof, and rugged handheld lights that are designed to illuminate any and all tasks.



AMP[®] 1LC



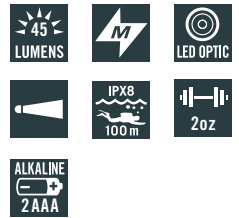
The Amp 1L may be tiny, but it packs an impressive 45 lumen LED beam. Waterproof to 100M and equipped with a large carabiner loop, this handheld light can always be at the ready no matter where you go. When the adventure is over, the Amp1L will still be your favorite piece of gear with its built-in bottle opener.



SPECS

POWER	45 Lumens
LAMP	1 Maxbright LED
BURN TIME	72 Hours
BATTERIES	2 AAA Alkaline (Included)
WEIGHT	2oz / 57g With Batteries
WATERPROOF	IPX8

TECHNOLOGY



CONE FOR 360° OF LIGHT



OPENS BOTTLES



POWERFUL SINGLE MAXBRIGHT LED

COLORS



BLACK YELLOW

SINGLE MODE



CONE COLOR OPTIONS



AMP[®] 3.5



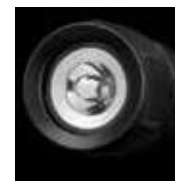
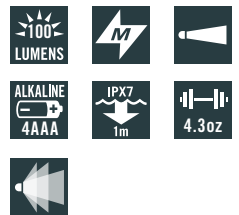
The Amp 3.5 uses our rugged and lightweight thermoplastic body, overmolded for an ergonomic, positive grip. Equipped with a powerful 100 lumen spot beam the Amp 3.5 shines up to 75 meters when high output is desired. Key the power button again to switch to the power sipping low output mode. The Amp 3.5 can always be at the ready with the included adjustable nylon lanyard and lanyard loop molded into the tail.



SPECS

POWER	100 Lumens
LAMP	1 Maxbright LED
BURN TIME	112 Hours
BATTERIES	4 AAA Alkaline (Included)
WEIGHT	4.3oz / 122g With Batteries
WATERPROOF	IPX7

TECHNOLOGY



POWERFUL SINGLE MAXBRIGHT LED

COLORS



BLACK YELLOW

2 MODES



SECTOR[®] 5



This pistol grip spotlight packs 550 lumens. Four C-cell batteries keep it compact while providing ten hours of burn time. The trigger switch is easy to use with gloved hands; access momentary on via a half-pull and constant on via full pull. The switch locks out to prevent accidental illumination and battery drain while in transit or storage.



COLORS

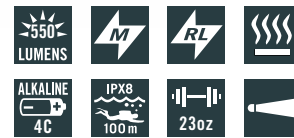


BLACK YELLOW

SPECS

POWER	550 Lumens
LAMP	1 Maxbright LED
BURN TIME	24 Hours
BATTERIES	4 C Alkaline (Included)
WEIGHT	23oz / 650g With Batteries
WATERPROOF	IPX8

TECHNOLOGY



SINGLE MODE



POWERFUL SINGLE MAXBRIGHT LED



REDESIGNED TRIGGER SWITCH

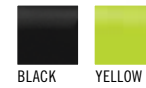
LEAGUE[®]



Light weight and comfortable shape make Princeton Tec's newest waterproof (to 330 ft.) handheld feel like an extension of your hand. Because the design facilitates grip, you won't feel any strain holding this light even during extended missions. With its efficient circuitry and Maxbright LED, League balances long burn time and impressive output for its size. A large loop allows for clipping or strapping this light to your gear, and the double locking switch eliminates the chance of accidental turn on in the field or of draining batteries while in your gear bag.



COLORS



BLACK YELLOW

SPECS

POWER	210 Lumens
LAMP	1 Maxbright LED
BURN TIME	10 Hours
BATTERIES	4 AA Alkaline (Included)
WEIGHT	7oz / 203g With Batteries
WATERPROOF	IPX8

TECHNOLOGY



SINGLE MODE



POWERFUL SINGLE MAXBRIGHT LED



LOCKING SWITCH



POINT[®] HAT-CLIP



Point Hat Clip has a flexible neck to direct light wherever it is needed. The white Ultrabright LED is recessed into a rugged aluminum head, providing highly directional light and eliminating the chance of blinding fellow adventurers while reading a map, or tying on a fly. At just 17 grams the Point Hat Clip is virtually weightless; a press of the large, convenient button activates the light. Point Hat Clip is useful for everyone including hikers, fisherman and hunters.

SPECS

MAX POWER	10 Lumens
LAMP	1 Ultrabright LED
MAX BURN TIME	36 Hours
BATTERIES	(2) 2016 Lithium Coin Cell (Included)
WEIGHT	.6oz / 17g With Batteries
WATER RESISTANT	IPX4

TECHNOLOGY



IMPULSE[®]



Impulse is the ultimate personal multi-task light! Powered by 2 lithium coin cells, the Ultrabright LED burns up to 36 hours and has 3 modes: low, high and flash. With its quick release clip, hat clip, and a range of colors to choose from, you'll want one for each of your keychains and backpacks! Impulse is UL[®] Class 1, Division 2 approved.

SPECS

MAX POWER	10 Lumens
LAMP	1 Ultrabright LED
MAX BURN TIME	36 Hours
BATTERIES	(2) 2016 Lithium Coin Cell (Included)
WEIGHT	.6oz / 17g With Batteries
WATER RESISTANT	IPX4

TECHNOLOGY



STASH[®]

Storing a headlamp in this simple and stylish case reduces external damage to your headlamp while in storage. In addition, while stored in the Stash, your headlamp is much less likely to accidentally discharge.

FITS

- Byte
- Fuel
- Sync
- Fred
- Remix
- Remix Pro
- Tac EOS
- Tac Quad
- Vizz



PULSAR[®] II



Princeton Tec has taken the smallest light in our product line and made it better, with a flick of a switch. The Pulsar II stays on so you can free up your hands for other tasks. Like its predecessor, the Pulsar II can also be illuminated merely by squeezing its compact, lightweight body.

SPECS

MAX POWER	10 Lumens
LAMP	1 Ultrabright LED
MAX BURN TIME	12 Hours
BATTERIES	(2) 2016 Lithium Coin Cell (Included)
WEIGHT	.2oz / 7g With Batteries
WATER RESISTANT	IPX4

TECHNOLOGY



PULSAR[®]



Slightly larger than a quarter and weighing 7 grams, the Pulsar provides instant illumination for any situation and offers easy battery replacement. This compact Ultrabright LED burns with unbelievable intensity making it the perfect choice for key chains, backpacks, book bags, zippers and emergency situations.

SPECS

MAX POWER	10 Lumens
LAMP	1 Ultrabright LED
MAX BURN TIME	12 Hours
BATTERIES	(2) 2016 Lithium Coin Cell (Included)
WEIGHT	.2oz / 17g With Batteries
WATER RESISTANT	IPX4

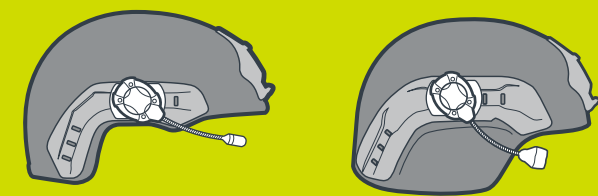
TECHNOLOGY



MPLS ACCESSORY PACK

The MPLS Point and Switch come standard equipped with Helmet and MOLLE mounts. But when you wish to increase the capabilities of your MPLS Task Light, the MPLS Task Light Accessory Pack includes two additional mounts - Helmet Rail and Picatinny.

HELMET RAIL



PICATINNY

