

Personal Lighting Products

2022 Industrial Collection

To Create Light Where There is Darkness

Since 1975, Princeton Tec has developed products for the professional and the outdoor sports enthusiast. Princeton Tec's 45 year journey has pushed the limits of self-discovery and provided light for those who have explored all ends of the Earth. The spirit of adventure and history of meeting challenges continue to drive the growth and development of Princeton Tec and its products.

Contents

Headlamps

1-2	Hazardous Location Ratings
3-4	Vizz II
5-6	Eos II
7-8	Quad II
9-10	Eos 360
11-12	Vizz Industrial
13-14	Eos Industrial
15-16	Quad Industrial
17-18	Snap Industrial
19-20	Apex Rechargeable Industria
21-22	Apex Industrial
23-24	Axis Rechargeable Industrial
25-26	Remix Industrial
27-28	Sync Industrial
29-30	Refuel Industrial
31-32	Wiselite
33-34	Snap Solo
35-36	Byte

Handhelds

37-38	Alloy-X
39-40	League II
41-42	League
43-44	Attitude
45-46	Amp 1LB
47-48	Sector 5
49-50	Torrent

Lanterns

51-52	Helix Rechargeable
53-54	Helix



Hazardous location Ratings

CLASSES	GROUPS	DIVIS	ONS	
		1	2	
CLASS I	A: Acetylene			
Gases, vapors, and liquids	B: Hydrogen, etc.		Not normally present in on	
555	C: Ether, etc.	Normally explosive and hazardous	Not normally present in an explosive concentration (but may accidentally exist)	
000	D: Hydrocarbons, fuels, solvents, etc. (gasoline, acetone, alcohol)			
CLASS II	E: Metal dusts (conductive, and explosive)			
Combustable Dusts	F: Carbon dusts Coal, Coke (some are conductive, and all are explosive)	Ignitable quantities of dust normally are or may be in suspension, or conductive	Dust not normally suspended in an ignitable concentration (but may accidentally exist),	
	G : Flour, starch, grain, combustible plastic or chemical dust <i>(explosive)</i>	dust may be present	dust layers are present.	
CLASS III Ignitable Fibers and filings				
	Textiles, wood-working, etc. (easily ignitable, but not likely to be explosive)	Handled or used in manufacturing	Stored or handled in storage (exclusive of manufacturing)	



Rated Lights

League II	ETL Rating Zone 0 CL I,II,III Div 1,2	Groups A-G			Temp code: T4
Vizz II	ETL Rating Zone 0 CL I,II,III Div 1,2	Groups A-G			Temp code: T4
EOS II	UL Rating: CL I. DIV 1	Groups: A,B,C,D			Temp code: T4
Quad II	UL Rating: CL I. DIV 1	Groups: A,B,C,D			Temp Code: T4
EOS IND	UL Rating: CL I. DIV 2	Groups: A,B,C,D	CL II. DIV 2	Group: F,G	Temp code: T6
Quad IND	UL Rating: CL I. DIV 2	Groups: A,B,C,D	CL II. DIV 2	Groups: F,G	Temp code: T6
Apex	UL Rating: CL I. DIV 2	Groups: A,B,C,D	CL II. DIV 2	Groups: F,G	Temp code: T6
Torrent LED	UL Rating: CL I. DIV 2	Groups: A,B,C,D	CL II. DIV 2	Groups: F,G	Temp code: T6
Sector 5	UL Rating: CL I. DIV 2	Groups: A,B,C,D			Temp code: T6

Numerous locations exist where a specific type of light is required for that kind of environment. Class and Division are highlighted.

Class I, II, and III are called out whereas;

Class I locations are hazardous areas by the presence of flammable vapors, liquids, or gasses.

Class II is an area where combustible dusts are present and

Class III is an area that contains fibers, flyings, or fibers which are easily ignitable.

Division designates that the likelihood of ignitable concentrations of materials that are flammable are present. They showcase two divisions of which;

Division 1 is an area where concentrations of flammable dusts, liquids, or vapors can exist some of the time or all of the time under normal conditions of operation or where easily ignitable flyings and fibers are used, manufactured, or handled.

Division 2 are areas where ignitable concentrations are not likely to appear or exist under normal operating procedures or where Class III items are handled or kept in storage. Princeton Tec has the above noted products that meet these strict safety ratings.

Vizz II ETL Rating: Class I Division 1 & 2. Groups A, B, C, D & G

PN#: VIZZ-II



Waterproof

Rated IPX7, Vizz II can withstand up to one meter of water.

Three Modes Vizz II provides a spot beam, as well as high

and low flood beams.





HARDHAT STRAP



3M DUAL-LOCK

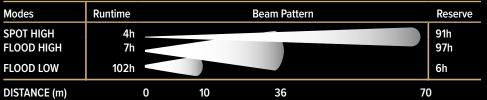
150 LUMENS **102**h RUNTIME











(15)

INDUSTRIAL HEADLAMPS

Eos II

UL Rating: Class I Division 1 Groups A, B, C & D

PN#: EOS-II

Press and Hold Off

To avoid accidental deactivation, Eos II's button requires a press and hold action to turn it off.



Waterproof

Rated IPX7, Eos II can withstand up to one meter of water.

Two Modes

With one simple button, switch between high and low spot beams.





HARDHAT STRAP



130 LUMENS



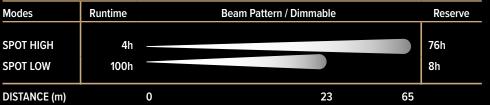












2022 INDUSTRIAL COLLECTION

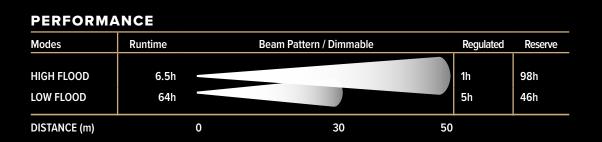
7

Quad II

UL Rating: Class I Division 1 Groups A, B, C & D

PN#: QUAD-II





HARDHAT STRAP

96

GRAMS

HEADSTRAP

64h

RUNTIME

78

LUMENS

3M DUAL-LOCK

IPX7

WATERPROOF

3 AAA

ALKALINE

MADE IN

USA

2022 INDUSTRIAL COLLECTION



PN#: EOS360-BK

Slip Resistant

EOS 360 is hard hat friendly with its rubberized band.

Headlamp

Mounted on the rubber strap is our EOS headlamp, which simultaneously provides a task light in addition to its visibility function.



360° Visibility

LED band provides 360° visibility that is enhanced by highly reflective strips.

Two Modes

The LED band provides a constant on as well as a safety flash mode.



90 grams





MADE IN

	Mode	Runtime	Distance
	High	4h	68m
EOS HEADLAMP ONLY	Low	32h	34m
	Strobe	34h	68m
EOS W/ BAND & CONSTANT	High	4h	72m
EUS W/ BAND & CONSTANT	Low	15h	29m
BAND ONLY	Band Constant	27h	6m
BAND ONLY	Band Strobe	100h	3m
	High	4h	72m
EOS W/ BAND & STROBE	Low	24h	33m

-

INDUSTRIAL HEADLAMPS



Elevated Button

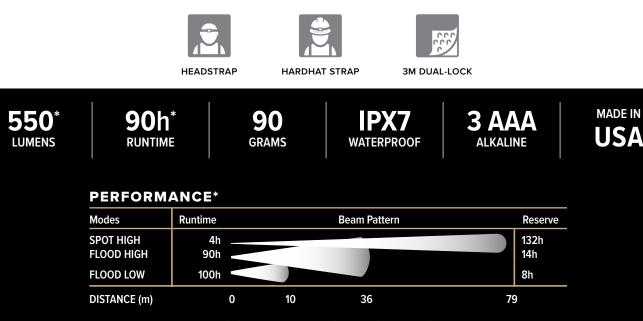
With extended height, Vizz Industrial's button is easily recognized through Class 2 gloves.



Waterproof

Rated IPX7, Vizz Industrial can withstand up to one meter of water.

Lithium Compatible Can be powered by lithium batteries for operation in a wider temperature range.



*preliminary data, to be confirmed during production



EOS Industrial

UL Rating: Class 1 Division 2 Class 2, Division 2 Class I Division 2 Groups A, B, C & D Class II Division 2 Groups F & G PN#: EOS-IND

Press and Hold Off

To avoid accidental deactivation, Eos Industrial's button requires a press and hold action to turn it off.



Waterproof Rated IPX7, withstanding water immersion of up to one meter.

170

LUMENS

Four Modes

Features high, medium, and low spot beams, as well as a strobe function.





105

GRAMS



HARDHAT STRAP

AP 3M DUAL-LOCK

IPX7 WATERPROOF

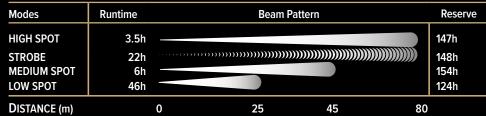


MADE IN

PERFORMANCE

46h

RUNTIME



Quad Industrial

UL Rating: Class 1 Division 2 Class 2, Division 2 Class I Division 2 Groups A, B, C & D. Class II Division 2 Groups F & G PN#: QUAD-IND

Lithium Compatible

Can be powered by lithium batteries for operation in a wider temperature range.

Four Modes

Quad Ind features high, medium, and low flood beams, as well as a strobe function.



Waterproof

Rated IPX7, Quad Industrial can withstand up to one meter of water.

Battery Indicator A red LED activates when Quad II is in need of a battery swap.







3M DUAL-LOCK

78 LUMENS

73h RUNTIME











Modes	Runtime		Beam Patte	rn		Regulated	Reserve
FLOOD HIGH STROBE FLOOD MED FLOOD LOW	8h 130h 73h 60.5h	·····))))))				1h 12h 5h 10h	72h 20h 19h 47.5h
DISTANCE (m)		0	17	25	50		

Snap Industrial

PN#: SNAP-IND

Removable Head Unit

An unmatched magnetic design allows Snap to be detached from its bracket for use as a handheld, or fastened to metal surfaces.

Dimmable Switch

With a simple hold of the button, Snap can be easily dimmed or transitioned to flash mode.





Pole Tool Attachment Allows Snap to attach to a hot stick or any 1 inch diameter pole tool.



Carabiner Mount and Clip Hang Snap from your vest to light your work area, or turn it to flash mode for visibility.





HARDHAT STRAP



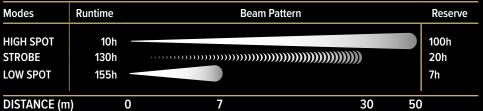
5(010) LUMENS 155h RUNTIME











Apex Rechargeable Industrial

PN#: APXL-RC-IND

USB Charging

Enduring

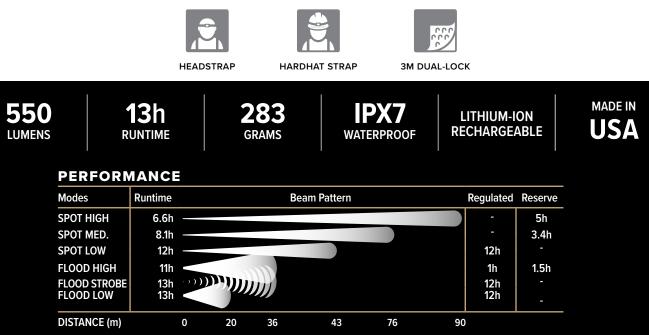
Provides simple and convenient charging, even on the go.

The longest lasting rechargeable headlamp on the market with a reliable run time of 13 hours on a single charge.



Extended Power Cable

The battery pack that is clipped to the head strap can be easily moved to your pack or jacket pocket.





Apex Industrial

UL Rating: Clas 1 Division 2 Class 2, Division 2

PN#: APX-BK-IND

Waterproof

Rated IPX7, Apex withstands up to one meter of water.

External Heatsink

By reducing heat and regulating temperature, the heatsink allows the LEDs to burn brighter and longer.



Tactile Indicators

Embossed buttons mark the difference between the spot and flood beams, providing an easy switch between the two.

Powerful

With 650 lumens, Apex is the most powerful of all our headlamps.



650 LUMENS

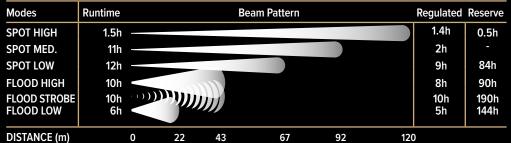


279 grams





MADE IN



AXIS Rechargeable Industrial

PN#: AX-RC-IND

Digital Lockout

Can be locked when not in use to prevent accidental activation.

Safety Reserve Mode

Axis Industrial will flash when its battery level is low, to alert the user to recharge. The LEDs will then dim, prolonging the remaining runtime.



Rechargeable Battery

Fueled by a sealed lithium rechargeable battery, charged via a micro USB port.

Ambidextrous Glove Friendly Operation

Switch between four different beam settings, as well as all dimmed modes, with one simple, glove-friendly dial.









31



450 LUMENS

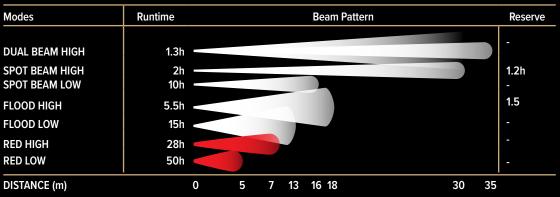




IPX4 WATER RESISTANT

LITHIUM-ION RECHARGEABLE





INDUSTRIAL HEADLAMPS

Remix Industrial

PN#: HYB-IND

Triple LED Cluster

Three LEDs provide a white flood for close range area light.

Spot Beam Provides a long throw of concentrated bright light.



Water Resistant

Rated IPX4, Remix is protected from splashing water and rain.



INDUSTRIAL HEADLAMPS

Sync Industrial

PN#: SYNC-IND

Three Modes

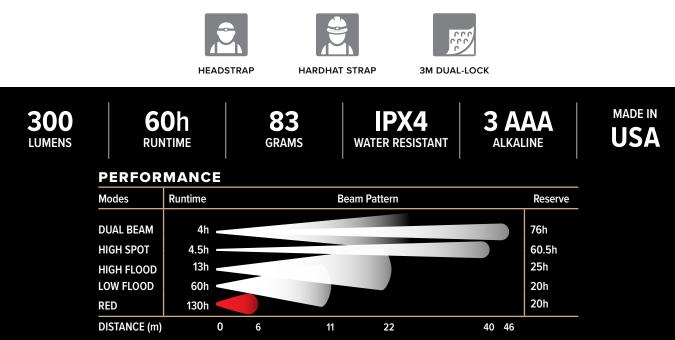
Sync offers a red mode, two flood modes, a spot beam, and dual beam.

Glove Friendly

Can easily be activated and switched between modes without the need to remove gloves.



Dial-Activated Mode Control Bypass button pressing sequences by turning a dial to switch between modes quickly and simply.



Refuel Industrial

PN#: RF21-BK/DK

Easy-Open Battery Door

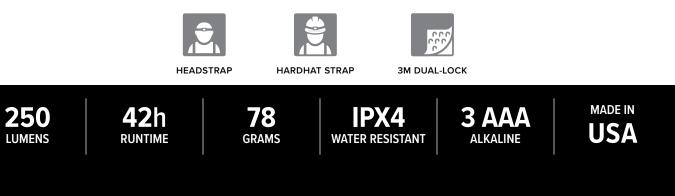
Features a larger lip for easier access providing painless battery swaps.

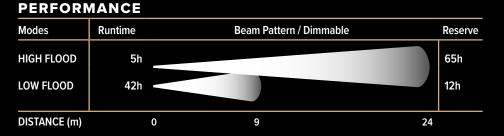
Simple

With its one mode, a dimmable white flood light, Refuel is easily and intuitively operated.



Compact The smallest and lightest of our 3 AAA headlamps at 2.8 oz.





HEADLAMPS



LAMP: WISE2A CHARGER: NWB-30

MSHA Approved

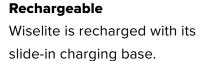
Fully approved by the Mine Safety and Health Administration to be used in gaseous mines.

Two Modes

With one simple button, Wiselite cycles through both high and low settings.

Hard Hat Mounted

Wiselite is designed to clip onto the front of a hard hat, eliminating the need for a head strap







Modes	Runtime		Beam Pattern / Dimmable
HIGH FLOOD LOW FLOOD	16h 60h		
DISTANCE (m)		0	25 155

HEADLAMPS

Snap Solo

PN#: SNSOLO-BK/DK

Removable Head Unit

An unmatched magnetic design allows Snap to be detached from its bracket for use as a handheld, or fastened to metal surfaces.

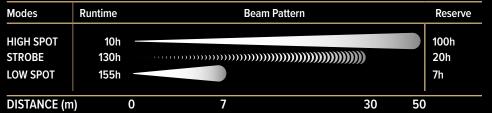
Dimmable Switch

With a simple hold of the button, Snap can be easily dimmed or transitioned to flash mode.





PERFORMANCE



HEADLAMPS

Byte PN#: BYT21-BK

Compact

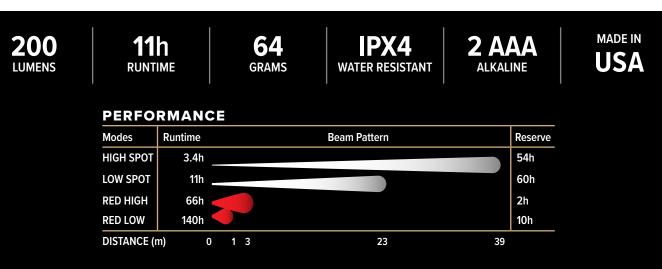
The smallest and lightest of our headlamps at just 64 grams. Perfect for when low pack weight is crucial.

Four Modes

Provides both high and low white spot beams, as well as a red beam.



3/4 Inch Headstrap Byte features a slim headstrap that complements its compact design



Duroble Materials Made in the U.S.A.

1

100

GEREIT



Textured Knurling

Ensures a firm and secure grip.

Detatchable pocket clip

The pen light secures to your pocket or belt for quick and easy access to light.

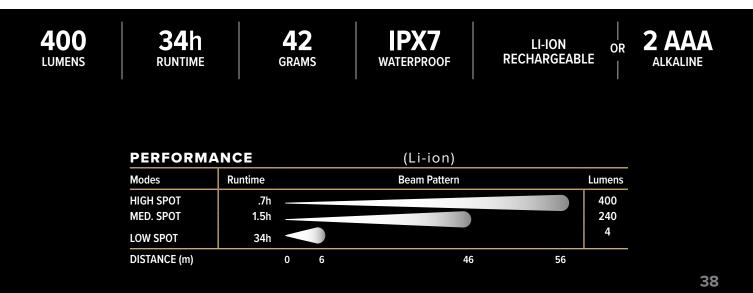


Dual-Fuel

Powered by the included rechargeable lithium battery or 2 AAA alkaline batteries.

One-Touch Tail Switch

A simple click activates Alloy-X, as well as cycles through high, low, and medium spot modes.



Princeton Tec LEAGUE II

League II

ETL Rating: Classes I, II, III; Divisions 1 &2; Groups A-G.

Toggle Switch

Large Clip Area

Allows for easy activation and includes a lock feature to avoid battery drain while in transit or storage. A place to tether League to a carabiner and attach it to virtually anything.



12° Angled Head

Ensures a comfortable grip, allowing you to hold your hand straight, while still providing light in the desired location.





Modes Runtime Beam Pattern Reserve SPOT HIGH 10h 36h DISTANCE (m) 0 65 130

League

Toggle Switch

Allows for easy activation and includes a lock feature to avoid battery drain while in transit or storage.

Large Clip Area

A place to tether League to a carabiner and attach it to virtually anything.



12° Angled Head

Ensures a comfortable grip, allowing you to hold your hand straight, while still providing light in the desired location.



Modes Runtime Beam Pattern Reserve SPOT HIGH 3.5h 156h DISTANCE (m) 0 65 130

Attitude

Twist Bezel Activation

Allows for quick and easy operation while also being glove friendly.

Small Ergonomic Design

Lightweight and intuitively operated, Attitude is easy to use and convenient to bring along.

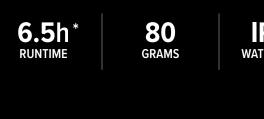




AT22-NY

BLACK AT22-BK

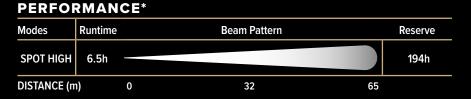
400 LUMENS







MADE IN



*preliminary data, to be confirmed during production

n

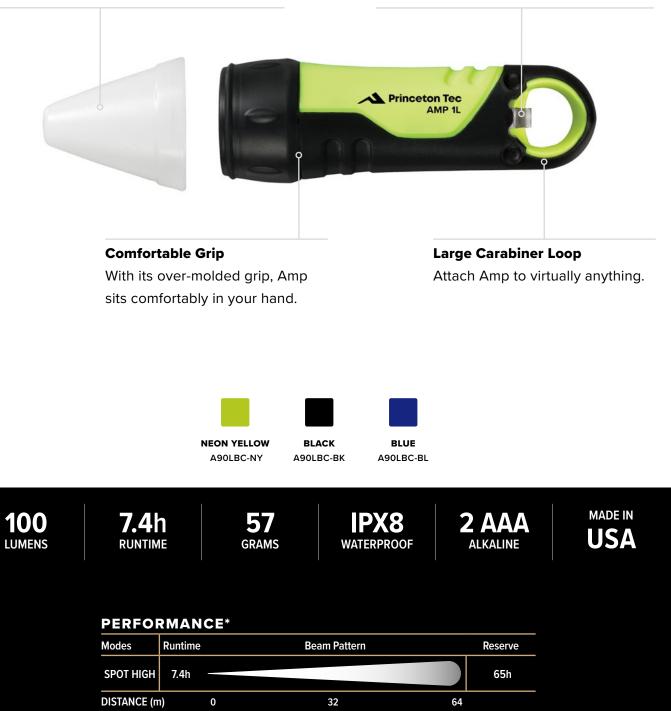
Amp 1L

Light Diffusing Cone

Equipped with a snap on translucent cone, Amp has the ability to transform into a marker light, hanging lantern, or area light.

Bottle Opener

Amp's large carabiner loop doubles as a bottle opener, so you're all set to crack open a beverage after your long day.



p

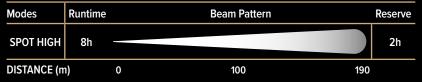
b

Sector 5

UL Rating: Class I Division 2, Groups A, B, C & D



PERFORMANCE



Torrent

UL Rating: Class I Division 2, Groups A, B, C & D Class II Division 2 , Groups F & G

Compact and Powerful

Small enough to bring along as a back-up light, and with 500 lumens, Torrent is also more than sufficient for use as a main source.

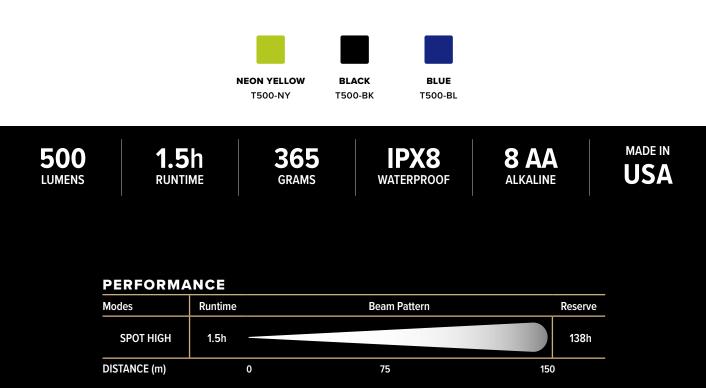
Adaptable

While Torrent runs on 8 AA batteries, it will still operate at a lower capacity with only 4.



Locking Switch

Features an easy to use, glove friendly switch that locks in place to avoid accidental activation while in transit or storage.





Helix Rechargeable

Collapsible Globe

The ability to compress Helix makes for easy and space-saving transport. Helix's globe design produces a widespread flow of light.

Multiple Hanging Options

With its folding legs that feature hooks, Helix has the ability to hang from virtually anything.

Innovative Swipe Control

Replaces ordinary buttons for a swift change between dimmable red and white modes.

Micro USB Rechargeable

Fueled by a sealed lithium rechargeable battery, charged via a micro USB port.

GRAY / BLACK HX22-RC-GRY

300*



155 grams

IPX6 POWERFUL SPRAY

LITHIUM-ION RECHARGEABLE MADE IN

PERFORMANCE*

Modes	Runtime	Reserve
WHITE HIGH	6h	_
WHITE LOW	18h	6h
RED HIGH	7h	5h
RED LOW	23h	14h

*preliminary data, to be confirmed during production



Helix

Collapsible Globe

The ability to compress Helix makes for easy and space-saving transport.



With its folding legs that feature hooks, Helix has the ability to hang from virtually anything. **Innovative Swipe Control** Replaces ordinary buttons for a swift change between dimmable red and white modes.



HX22-MC





155 grams

IPX6 POWERFUL SPRAY





PERFORMANCE

Modes	Runtime	Reserve
WHITE HIGH	8h	16h
WHITE LOW	24h	26h
RED HIGH	12 h	24h
RED LOW	32h	50h

*preliminary data, to be confirmed during production

The right light, when you need it.

Princeton Tec also manufactures personal lighting products that meet the specialized needs of the military, first responders, outdoorsmen and other everyday heroes.



PRINCETON TEC PO BOX 8057 TRENTON, NJ T 609 298 9331 F 609 298 9601 PRINCETON TEC.COM OPTECLIGHTS
 PRINCETONTEC
 OPTECLIGHTS