Princeton Tec

Personal Lighting Products
2024 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 47 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

Hazardous Location Ratings

CLASSES	GROUPS	DIVISIONS	
		1	**2**
CLASS I Gases, vapors, and liquids	**A:** Acetylene **B:** Hydrogen, etc. **C:** Ether, etc. **D:** Hydrocarbons, fuels, solvents, etc. *(gasoline, acetone, alcohol)*	Normally explosive and hazardous	Not normally present in an explosive concentration *(but may accidentally exist)*
CLASS II Combustable Dusts	**E:** Metal dusts *(conductive, and explosive)* **F:** Carbon dusts Coal, Coke *(some are conductive, and all are explosive)* **G:** Flour, starch, grain, combustible plastic or chemical dust *(explosive)*	Ignitable quantities of dust normally are or may be in suspension, or conductive dust may be present	Dust not normally suspended in an ignitable concentration (but may accidentally exist), 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 Group: F,G	CL II. DIV 2 Temp code: T6
Quad IND	UL Rating: CL I. DIV 2	Groups: A,B,C,D Groups: F,G	CL II. DIV 2 Temp code: T6
Apex	UL Rating: CL I. DIV 2	Groups: A,B,C,D Groups: F,G	CL II. DIV 2 Temp code: T6
Torrent	UL Rating: CL I. DIV 2	Groups: A,B,C,D Groups: F,G	CL II. DIV 2 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.

Intrinsically Safe

Vizz II

PN#: VIZZ-II

ETL Rating
Zone 0 CL I,II,III Div 1,2
Groups A-G. Temp code: T4

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

Three Modes
Vizz II provides a spot beam, as well as high and low flood beams.

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

HEADSTRAP   **HARDHAT STRAP**   **3M DUAL-LOCK**

200 LUMENS	102h RUNTIME	92 GRAMS	IPX7 WATERPROOF	3 AAA ALKALINE	MADE IN USA

PERFORMANCE

Modes	Runtime	Beam Pattern	Reserve
SPOT HIGH	3.5h		30h
SPOT LOW	66		45h
FLOOD HIGH	7h		97h
FLOOD LOW	102h		6h
DISTANCE (m)		0 10 16 36 60	

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Intrinsically Safe

Eos II

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

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.

HEADSTRAP   **HARDHAT STRAP**   **3M DUAL-LOCK**

| **170** LUMENS | **100h** RUNTIME | **105** GRAMS | **IPX7** WATERPROOF | **3 AAA** ALKALINE | MADE IN **USA** |

PERFORMANCE

Modes	Runtime	Beam Pattern / Dimmable	Reserve
SPOT HIGH	4h		76h
SPOT LOW	100h		8h
DISTANCE (m)	0	23 65	

Intrinsically Safe

Quad II

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

Two Modes
Quad II features high and low flood beams.

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

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

HEADSTRAP   **HARDHAT STRAP**   **3M DUAL-LOCK**

78 LUMENS	**64h** RUNTIME	**96** GRAMS	**IPX7** WATERPROOF	**3 AAA** ALKALINE	MADE IN **USA**

PERFORMANCE

Modes	Runtime	Beam Pattern / Dimmable	Regulated	Reserve
HIGH FLOOD	6.5h		1h	98h
LOW FLOOD	64h		5h	46h
DISTANCE (m)	0	30 50		

Eos 360

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.

| 165 LUMENS | 163 GRAMS | IPX7 WATERPROOF | 3 AAA ALKALINE | MADE IN USA |

PERFORMANCE

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

Vizz Industrial

PN#: VIZZ-IND

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.

HEADSTRAP　　**HARDHAT STRAP**　　**3M DUAL-LOCK**

| 550 LUMENS | 100h RUNTIME | 92 GRAMS | IPX7 WATERPROOF | 3 AAA ALKALINE | MADE IN USA |

PERFORMANCE

Modes	Runtime	Beam Pattern	Reserve
SPOT HIGH	1.5h		53.5h
SPOT LOW	40h		64h
FLOOD HIGH	90h		14h
FLOOD LOW	100h		8h
DISTANCE (m)		0 10 28 36 85	

EOS Industrial

PN#: EOS-IND

UL Rating:

Class 1 Div. 2 Class 2, Div. 2
Class I Div. 2 Groups A, B, C & D.
Class II Div. 2 Groups F & G

Waterproof

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

Four Modes

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

HEADSTRAP　　**HARDHAT STRAP**　　**3M DUAL-LOCK**

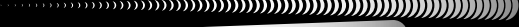| **300** LUMENS | **32h** RUNTIME | **105** GRAMS | **IPX7** WATERPROOF | **3 AAA** ALKALINE | MADE IN **USA** |

PERFORMANCE

Modes	Runtime	Beam Pattern	Reserve
HIGH SPOT	1.5h		113.5h
STROBE	9.5h		50.5h
MEDIUM SPOT	2h		95h
LOW SPOT	32h		14h
DISTANCE (m)	0	45　　91　　105	

Refuel Industrial

PN#: RF-IND

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.

HEADSTRAP **HARDHAT STRAP** **3M DUAL-LOCK**
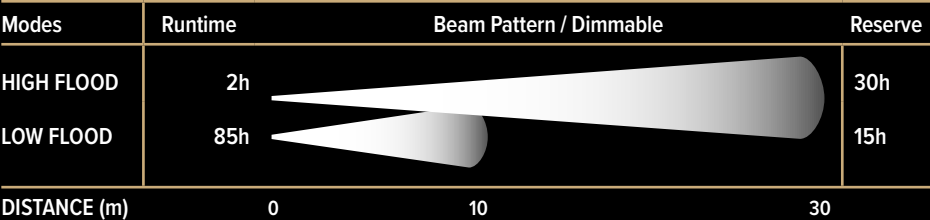
300 LUMENS	**42h** RUNTIME	**78** GRAMS	**IPX4** WATER RESISTANT	**3 AAA** ALKALINE	MADE IN **USA**

PERFORMANCE

Modes	Runtime	Beam Pattern / Dimmable	Reserve
HIGH FLOOD	2h		30h
LOW FLOOD	85h		15h
DISTANCE (m)	0	10 30	

Quad Industrial

PN#: QUAD-IND

UL Rating:
Class 1 Div. 2 Class 2, Div. 2
Class I Div. 2 Groups A, B, C & D.
Class II Div. 2 Groups F & G

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 Industrial is in need of a battery swap.

HEADSTRAP   **HARDHAT STRAP**   **3M DUAL-LOCK**

| 78 LUMENS | 60h RUNTIME | 96 GRAMS | IPX7 WATERPROOF | 3 AAA ALKALINE | MADE IN USA |

PERFORMANCE

Modes	Runtime	Beam Pattern	Reserve
FLOOD HIGH	8h		72h
STROBE	130h		20h
FLOOD MED	73h		18h
FLOOD LOW	60h		48h
DISTANCE (m)	0	17 24 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.

Red LED
Preserve night vision while providing light for close-up tasks.

HEADSTRAP   HARDHAT STRAP   3M DUAL-LOCK

450 LUMENS	100h RUNTIME	99 GRAMS	IPX4 WATER RESISTANT	3 AAA ALKALINE	MADE IN USA

PERFORMANCE

Modes	Runtime	Beam Pattern	Reserve
HIGH SPOT	6h		60h
LOW SPOT	100h		5h
WHITE STROBE	7H		-
RED	160h		60h
STROBE RED	105h		-
DISTANCE (m)	0　　5　　10	60	

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Apex Li Industrial

PN#: APXL-RC-IND

USB Charging
Provides simple and convenient charging, even on the go.

Enduring
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.

HEADSTRAP   **HARDHAT STRAP**   **3M DUAL-LOCK**

550 LUMENS	13h RUNTIME	283 GRAMS	IPX7 WATERPROOF	LITHIUM-ION RECHARGEABLE	MADE IN USA
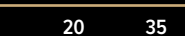
PERFORMANCE

Modes	Runtime	Beam Pattern	Reserve
SPOT HIGH	6.6h		5h
SPOT MED.	8.1h		3.4h
SPOT LOW	12h		-
FLOOD HIGH	11h		1.5h
FLOOD STROBE	13h		-
FLOOD LOW	13h		-

DISTANCE (m)	0	20	35	43	76	90

Apex Industrial

PN#: APX-BK-IND

UL Rating:

Class 1 Div. 2 Class 2, Div. 2
Class I Div. 2 Groups A, B, C & D.
Class II Div. 2 Groups F & G

Powerful

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

Tactile Indicators

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

HEADSTRAP   **HARDHAT STRAP**   **3M DUAL-LOCK**

650 LUMENS	12h RUNTIME	279 GRAMS	IPX7 WATERPROOF	4 AA ALKALINE	MADE IN USA

PERFORMANCE

Modes	Runtime	Beam Pattern	Reserve
SPOT HIGH	1.5h		0.5h
SPOT MED.	11h		-
SPOT LOW	12h		84h
FLOOD HIGH	10h		90h
FLOOD STROBE	10h		190h
FLOOD LOW	6h		144h

DISTANCE (m)	0	22	43	67	92	120

Remix Industrial

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.

HEADSTRAP   **HARDHAT STRAP**   **3M DUAL-LOCK**

450 LUMENS	**130h** RUNTIME	**83** GRAMS	**IPX4** WATER RESISTANT	**3 AAA** ALKALINE	MADE IN **USA**

PERFORMANCE

Modes	Runtime	Beam Pattern	Reserve
HIGH SPOT	63h		22h
MED SPOT	14h		74h
LOW SPOT	6h		44h
HIGH FLOOD	23h		31h
LOW FLOOD	130h		20h

DISTANCE (m)	0	15.5	17	25	42	51

Sync **Industrial**

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.

HEADSTRAP **HARDHAT STRAP** **3M DUAL-LOCK**

300 LUMENS	**60h** RUNTIME	**83** GRAMS	**IPX4** WATER RESISTANT	**3 AAA** ALKALINE	**MADE IN USA**

PERFORMANCE

Modes	Runtime	Beam Pattern	Reserve
DUAL BEAM	4h		76h
HIGH SPOT	4.5h		60.5h
HIGH FLOOD	13h		25h
LOW FLOOD	60h		20h
RED	130h		20h

DISTANCE (m)	0	6	11	22	40	46

Byte

PN#: BYT21-BK

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

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

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

200 LUMENS	**12h** RUNTIME	**64** GRAMS	**IPX4** WATER RESISTANT	**2 AAA** ALKALINE	**MADE IN USA**

PERFORMANCE

Modes	Runtime	Beam Pattern	Reserve
HIGH SPOT	3.4h		55h
LOW SPOT	12h		61h
RED HIGH	66h		2h
RED LOW	140h		10h
DISTANCE (m)		0 1 3 23 39	

Snap Solo *NEW*

PN#: SNSOLO23-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.

Red LED
Red LED preserve night vision while providing light for close-up tasks.

450 LUMENS	100h RUNTIME	99 GRAMS	IPX4 WATER RESISTANT	3 AAA ALKALINE	MADE IN USA

PERFORMANCE

Modes	Runtime	Beam Pattern	Reserve
HIGH SPOT	6h		60h
LOW SPOT	100h		5h
WHITE STROBE	7H		-
RED	160h		60h
STROBE RED	105h		-
DISTANCE (m)	0 5 10 60		

Vizz RGB *NEW*

Digital Lockout
Vizz RGB can be locked when not in use to prevent accidental activation and unnesecary battery drain.

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

Specialty Color LEDs
Along with white, Vizz RGB also provides red, green and blue light.

550 LUMENS	33h RUNTIME	92 GRAMS	IPX7 WATERPROOF	3 AAA ALKALINE	MADE IN USA

PERFORMANCE

Modes	Runtime	Beam Pattern	Reserve
SPOT HIGH	2.5h		70
SPOT LOW	33h		80
RED	45 h		45
GREEN	55 h		100
BLUE	40 h		40
DISTANCE (m)	0 5 20 25	95	

Axis Li

PN#: AX-RC-IND

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

Digital Lockout
Axis can be locked when not in use to prevent accidental activation.

Ambidextrous Glove Friendly Operation
Unit can be oriented with the controls facing left or right for access to all four modes and dimming with either hand.

450 LUMENS	**15h** RUNTIME	**81** GRAMS	**IPX4** WATER RESISTANT	LITHIUM-ION RECHARGEABLE	MADE IN **USA**

PERFORMANCE

Modes	Runtime	Beam Pattern	Reserve
DUAL BEAM HIGH	1.3h		-
SPOT BEAM HIGH	2h		1.2h
SPOT BEAM LOW	10h		-
FLOOD HIGH	5.5h		1.5h
FLOOD LOW	15h		-
RED HIGH	28h		-
RED LOW	50h		-
DISTANCE (m)		0 5 7 13 16 18 30 35	

Alloy-X

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.

400 LUMENS	**34h** RUNTIME	**42** GRAMS	**IPX7** WATERPROOF	**LI-ION** RECHARGEABLE	OR	**2 AAA** ALKALINE

PERFORMANCE (Li-ion)

Modes	Runtime	Beam Pattern	Lumens
HIGH SPOT	.7h		400
MED. SPOT	1.5h		240
LOW SPOT	34h		4
DISTANCE (m)		0 6 46 56	

Intrinsically Safe

League II

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

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

12° Angled Head
Ensures a comfortable grip, allowing you to hold your hand straight, while still providing light in the desired location.

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

| 150 LUMENS | 10h RUNTIME | 203 GRAMS | IPX8 WATERPROOF | 3 AA ALKALINE | MADE IN USA |

PERFORMANCE

Modes	Runtime	Beam Pattern		Reserve
SPOT HIGH	10h			26h
DISTANCE (m)		0	65	130

Amp

PN#: A90LBC-NY
PN#: A90LBC-BK

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.

Comfortable Grip

With its over-molded grip, Amp sits comfortably in your hand.

Large Carabiner Loop

Attach Amp to virtually anything.
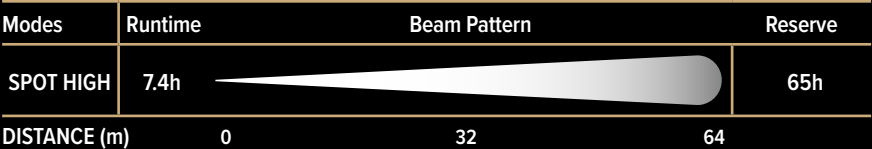
100 LUMENS	**7.4h** RUNTIME	**57** GRAMS	**IPX8** WATERPROOF	**2 AAA** ALKALINE	**MADE IN** **USA**

PERFORMANCE*

Modes	Runtime	Beam Pattern	Reserve
SPOT HIGH	7.4h		65h
DISTANCE (m)	0	32 64	

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.

420 LUMENS	3.5h RUNTIME	203 GRAMS	IPX8 WATERPROOF	4 AA ALKALINE	MADE IN USA

PERFORMANCE

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

Sector 5

PN#: S522-NY
PN#: S522-BK

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

Lock Protection
Can be locked to prevent accidental activation while in transit or storage.

Glove Friendly Trigger Switch
A full pull activates Sector 5's constant-on function, while a half pull activates the light momentarily.

Balanced Grip
Allows for a solid and comfortable hold.

| 1200 LUMENS | 13h RUNTIME | 650 GRAMS | IPX8 WATERPROOF | 4 C ALKALINE | MADE IN USA |

PERFORMANCE

Modes	Runtime	Beam Pattern	Reserve
SPOT HIGH	6h		1h
SPOT LOW	13h		1h
DISTANCE (m)	0	100	230

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.

Princeton Tec
ATTITUDE

Waterproof
Rated IPX8, Attitude can withstand up to 100 meters of water.

Integrated Clip
Easy pocket carry when your hands are full

400 LUMENS	**2.5h** RUNTIME	**80** GRAMS	**IPX8** WATERPROOF	**4 AAA** ALKALINE	MADE IN **USA**

PERFORMANCE

Modes	Runtime	Beam Pattern	Reserve
SPOT HIGH	2.5h		108h
DISTANCE (m)	0	37 75	

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.