

PERSONAL LIGHTING PRODUCTS | 2019



INDUSTRIAL

Lights built as tough as you, with
UL-approved models available

HAZARDOUS LOCATION RATINGS

Luke Kelly

RATED LIGHTS



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



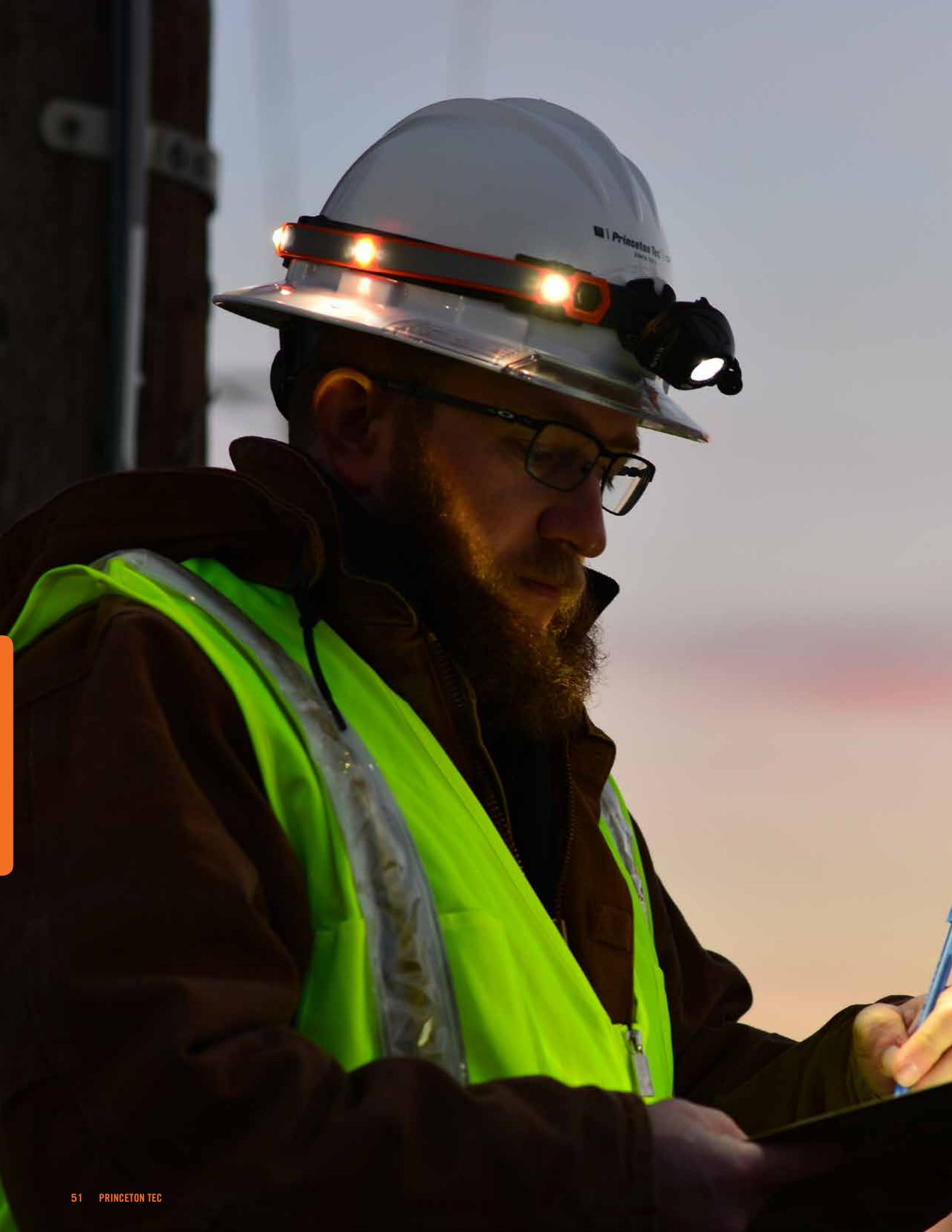
Textiles, wood-working, etc. (easily ignitable, but not likely to be explosive)

Handled or used in manufacturing

Stored or handled in storage (exclusive of manufacturing)

League II	ETL Rating Zone 0 CL 1,2,3 Div 1,2	Groups A-G	Temp code: T4
Vizz II	ETL Rating Zone 0 CL 1,2,3 Div 1,2	Groups A-G	Temp code: T4
EOS II	UL Rating: CL 1. DIV 1	Groups: A,B,C,D	Temp code: T4
Quad II	UL Rating: CL 1. DIV 1	Groups: A,B,C,D	Temp Code: T4
EOS IND	UL Rating: CL 1. DIV 2	Groups: A,B,C,D CL 2. DIV 2 Group: F,G	Temp code: T6
Quad IND	UL Rating: CL 1. DIV 2	Groups: A,B,C,D CL 2. DIV 2 Groups: F,G	Temp code: T6
Apex	UL Rating: CL 1. DIV 2	Groups: A,B,C,D CL 2. DIV 2 Groups: F,G	Temp code: T6
Yukon HL	UL Rating: CL 1. DIV 2	Groups: A,B,C,D CL 2. DIV 2 Groups: F,G	Temp code: T6
Impact XL	UL Rating: CL 1. DIV 2	Groups: A,B,C,D CL 2. DIV 2 Groups: F,G	Temp code: T6
TEC 40	UL Rating: CL 1. DIV 2	Groups: A,B,C,D CL 2. DIV 2 Groups: F,G	Temp code: T6
Torrent LED	UL Rating: CL 1. DIV 2	Groups: A,B,C,D CL 2. DIV 2 Groups: F,G	Temp code: T6
Sector 5	UL Rating: CL 1. DIV 2	Groups: A,B,C,D	Temp code: T6
Impulse	UL Rating: CL 1. DIV 2	Groups: A,B,C,D CL 2. DIV 2 Groups: F,G	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 combustable dusts are present and Class III is an area that contain 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.



● BLACK/ORANGE EOS360-BK

Rubberized LED band provides 360° visibility

Slip resistant design keeps LED band in-place on hardhat

Universal construction fits standard and wide brim hardhats

EOS 360 NEW

MADE IN USA
WITH DOMESTIC AND FOREIGN COMPONENTS

Multi-use Hardhat Light

Designed with both job performance and worker safety in mind, the EOS 360 is a hardhat mounted headlamp that offers be-seen lighting in addition to traditional task lighting. Users in industrial environments will be highly visible thanks to a durable, rubberized band fitted with LEDs and reflective strips that encircle their hardhat. Mounted on the front of the LED band is the top selling EOS Headlamp for focused hands-free illumination. Both the LED band and the EOS Headlamp offer a variety of modes and function independently from each other.

SPECS

POWER	165 Lumens
LAMP	1 Maxbright LED
BATTERIES	3 AAA Alkaline <i>(included)</i>
WEIGHT	5.75oz / 163g
WATERPROOF	IPX7 <i>(1 meter)</i>

TECHNOLOGY



PERFORMANCE

Mode	Burntime	Distance
EOS HEADLAMP ONLY		
High	21.5h	68m
Medium	23h	57m
Low	50h	34m
Strobe	51h	68m
EOS W/ BAND & CONSTANT		
High	4.1h	72m
Medium	6.5h	54m
Low	20h	29m
BAND ONLY		
Band Constant	33h	6m
Band Strobe	101h	3m
EOS W/ BAND & STROBE		
High	4.5h	72m
Medium	16h	58m
Low	34h	33m

LED band includes constant on and safety flash modes

EOS Headlamp and LED band function independently

Highly reflective strips for added visibility



HEADLAMPS

Luke Kelly



LPHL-1

The LPHL-1 is the first light designed specifically for professionals using face shields now required in many working environments. Engineered to fit behind most helmet mounted face shields, this thin but powerful headlamp lets the user lift and lower their face shield as needed without interrupting light use or readjusting their PPE. A high profile push button gives access to the 85 lumen spot beam (dimnable to 10 lumens) even with thick gloves. Lightweight and durable, the Low Profile Headlamp is suitable for use in all locations and weather conditions.

SPECS

POWER	85 Lumens
LAMP	3 Ultrabright LEDs
BURN TIME	120 Hours
BATTERIES	3 AAA Alkaline (included)
WEIGHT	2.7oz / 76g
ETL TEMP CODE	T4
WATER RESISTANT	IPX4 (splashing water)

TECHNOLOGY



PERFORMANCE

2 Modes	⌚ Time	T. = Total Run Time / R. = Regulated Run Time
HIGH	T. 25h	
LOW	T. 120h	
DISTANCE (m)		1 14

LPHL-1 INCLUDED IN THE KIT:

LPHL-1 head unit with nylon headstrap, rubber hard hat strap and 3M Dual Lock™



● BLACK PN: LPHL-1



VIZZ® II INTRINSICALLY SAFE



● BLACK PN: VIZZ-II

VIZZ® INDUSTRIAL



● BLACK PN: VIZZ-IND

VIZZ SERIES INCLUDED IN THE KIT:

Vizz® head unit with nylon headstrap, rubber hard hat strap and 3M Dual Lock™



The intrinsically safe Vizz II is feature-loaded with two distinct beam profiles easily accessed via a simple press or hold of the button. One Maxbright LED creates a powerful 150 lumen spot beam for long-throw illumination, while 4 Ultrabright LEDs deliver a dimmable flood beam. As with all of Princeton Tec Professional Series headlamps, the Vizz is waterproof. ETL C11 Div1 intrinsically safe, Classes I, II, III; Divisions 1&2; Groups A-G; Temp Code: -20C to 40C (T4).

SPECS

POWER LAMP	150 Lumens 1 Maxbright LED 4 White Ultrabright LEDs
BURN TIME	108 Hours
BATTERIES	3 AAA Alkaline (included)
WEIGHT	3.2oz / 92g
ETL RATING	Class I Division 1&2 Groups A, B, C, D & G
ETL TEMP CODE	T4
WATERPROOF	IPX7 (1 meter)

TECHNOLOGY



PERFORMANCE

3 Modes	⌚ Time	T. = Total Run Time / R. = Regulated Run Time
SPOT	T. 95h	
FLOOD HIGH	T. 104h	
FLOOD LOW	T. 108h	
DISTANCE (m)		0 10 36 70

The Vizz Industrial conquers any situation by combining two beam profiles into a compact, self-contained light to add to your hard hat. One Maxbright LED provides a long-throw, bright white spot beam. Four white Ultrabright LEDs provide a flood beam for up close work and wider viewing angle. 3 AAA Alkaline batteries are included. Regulated circuitry makes for consistent power output over battery lifespan. The Vizz Industrial is also lithium compatible for reliable operation in a wider temperature range. This headlamp also has a built-in battery power meter and is waterproof.

SPECS

POWER LAMP	420 Lumens 1 Maxbright LED (regulated), (dimnable) 4 White Ultrabright LEDs
BURN TIME	136 Hours
BATTERIES	3 AAA Alkaline (included) or Lithium
WEIGHT	3.2oz / 92g
WATERPROOF	IPX7 (1 meter)

TECHNOLOGY



PERFORMANCE

3 Modes	⌚ Time	T. = Total Run Time / R. = Regulated Run Time
SPOT	R. 1h, T. 136h	
FLOOD HIGH	R. 6h, T. 104h	
FLOOD LOW	R. 14h, T. 108h	
DISTANCE (m)		0 10 36 79



Luke Kelly

EOS SERIES

INCLUDED IN THE KIT:

EOS® head unit with nylon headstrap, rubber hard hat strap and 3M Dual Lock™



QUAD SERIES

INCLUDED IN THE KIT:

Quad® head unit with nylon headstrap, rubber hard hat strap and 3M Dual Lock™

EOS® II

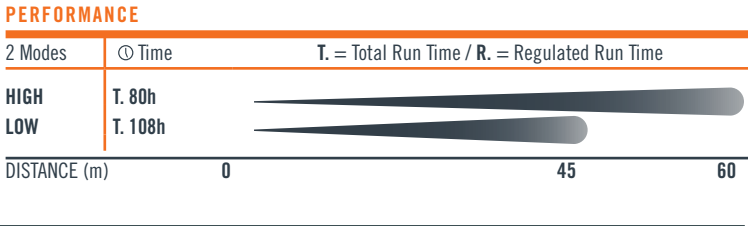
INTRINSICALLY SAFE

The EOS II is designed and constructed to meet the most rigorous of demands both in application and environment. The head unit is self contained, waterproof, and constructed of high grade materials. The technology inside offers the best in long burntimes and utilizes advanced circuitry that regulates the output providing superior and constant brightness on two modes.



- BLACK PN: EOS-II
- ORANGE PN: EOS-II-OR

SPECS		TECHNOLOGY		
POWER	130 Lumens			
LAMP	1 Maxbright LED			
BURN TIME	108 Hours			
BATTERIES	3 AAA Alkaline (included)			
WEIGHT	3.7oz / 105g			
UL RATING	Class I Division 1 Groups A, B, C & D			
UL TEMP CODE	T4			
WATERPROOF	IPX7 (1 meter)			



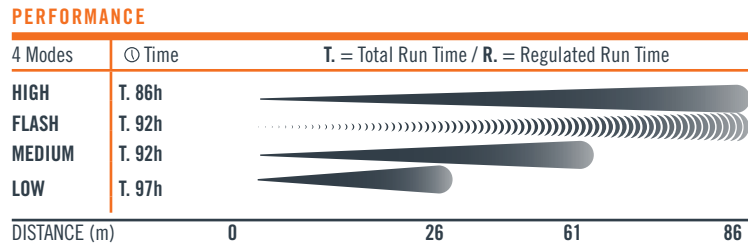
EOS® INDUSTRIAL

The EOS headlamp utilizes the same design and construction as the EOS II, but in meeting the requirements of UL Div. 1 CI 2. The EOS offers high, medium, low and flash output modes. The EOS uses a Maxbright LED that allows for the beam to spot at distances. By using a Princeton Tec designed optic, the EOS provides a clean beam pattern that is great for both localized needs as well as spotting a target as far as 60 meters away.



- BLACK PN: EOS-IND

SPECS		TECHNOLOGY		
POWER	130 Lumens			
LAMP	1 Maxbright LED			
MAX BURN TIME	97 Hours			
BATTERIES	3 AAA Alkaline (included) or Lithium			
WEIGHT	3.7oz / 105g			
WATERPROOF	IPX7 (1 meter)			
UL RATING	Class I Division 2 Groups A, B, C & D Class II Division 2 Groups F & G			
UL TEMP CODE	T6			



QUAD® II

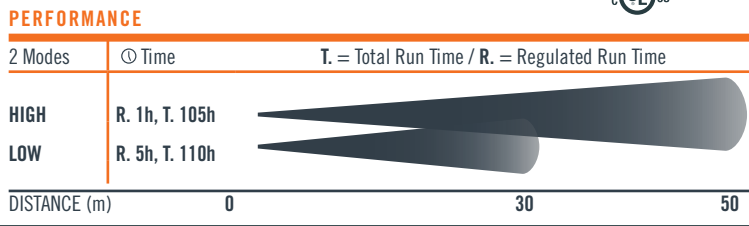
INTRINSICALLY SAFE

The second in our series of Intrinsically Safe headlamps, the Quad II provides unparalleled design and performance. The Quad II shares the same basic design principals as the original and proven Quad but takes it up to a UL C11 Div. 1 rating. The fundamental lighting characteristic of the Quad provides a vast amount of area light for all purpose needs and performing up -close tasks. The light beam is smooth and wide allowing you to work with your hands without glare or reflection. With its robust construction, superior materials, and waterproof design, the Quad II is suited for any environment.



- BLACK PN: QUAD-II

SPECS		TECHNOLOGY		
POWER	78 Lumens			
LAMP	4 Ultrabright LEDs (regulated)			
BURN TIME	105 Hours			
BATTERIES	3 AAA Alkaline (included)			
WEIGHT	3.4oz / 96g			
UL RATING	Class I Division 1 Groups A, B, C & D			
UL TEMP CODE	T4			
WATERPROOF	IPX7 (1 meter)			



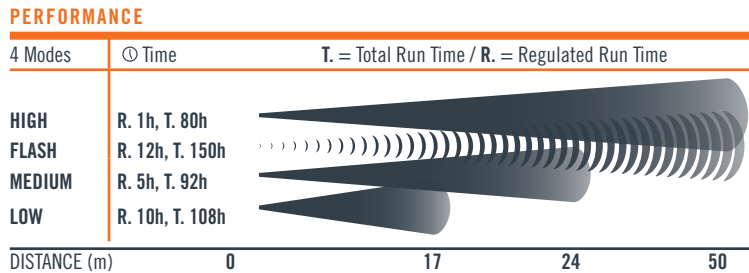
QUAD® INDUSTRIAL

At a mere 96 grams, the Quad is the lightest in Princeton Tec's line of regulated-LED headlamps. 4 Ultrabright LEDs power through the darkest conditions. The LEDs are safe forever inside a tough waterproof housing that will survive severe impacts and water submersions up to 1 meter. Weight conscious users will appreciate the Quad's sophisticated circuitry that allows the use of lithium AAA batteries. They reduce the Quad's weight to 82 grams, perform in extremely cold temperatures, and significantly increase regulated burn times on all modes. Equipped with regulated LEDs that maintain constant brightness and a battery power meter, this light just may be smarter than you are.



- BLACK PN: QUAD-IND

SPECS		TECHNOLOGY		
POWER	78 Lumens			
LAMP	4 Ultrabright LEDs (regulated)			
BURN TIME	108 Hours			
BATTERIES	3 AAA Alkaline (included) or Lithium			
WEIGHT	3.4oz / 96g			
UL RATING	Class I Division 2 Groups A, B, C & D Class II Division 2 Groups F & G			
UL TEMP CODE	T6			
WATERPROOF	IPX7 (1 meter)			





REFUEL®

NEW



Also available
with rubber helmet
strap.

PN: HL-103



We'd like to reintroduce you to an old friend of ours, the Fuel. With a significant lumen upgrade (thanks new surface mounted LEDs), we are calling this 200 lumen version of our standby model the ReFuel. Other upgrades? A painstakingly reengineered battery door featuring sturdier components and a larger lip for easier access.

The ReFuel is extremely simple to use and takes advantage of our asymmetrical single arm bracket. This design makes directing the light effortless and reliable once on your head, and a large, easy to find push button to power you headlamp on and off and toggle through modes.

SPECS

POWER	200 Lumens
LAMP	4 Ultrabright LEDs
BURN TIME	120 Hours
BATTERIES	3 AAA Alkaline (included)
WEIGHT	2.75oz / 78g
WATER RESISTANT	IPX4 (splashing water)

TECHNOLOGY



PERFORMANCE

4 Modes	⌚ Time	T. = Total Run Time / R. = Regulated Run Time
HIGH	T. 74h	
FLASH	T. 150h	
MEDIUM	T. 100h	
LOW	T. 120h	
DISTANCE (m)		0 24 40 44

● BLACK PN: RF-GB

FUEL®



Also available
with rubber helmet
strap.

PN: HL-103



● BLACK PN: FUEL4-BK

REMIX®



Also available
with rubber helmet
strap.

PN: HL-103



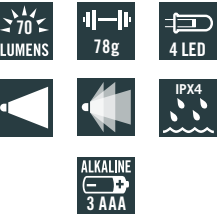
● BLACK PN: RMX300-BK

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.

SPECS

POWER	70 Lumens
LAMP	4 Ultrabright LEDs
BURN TIME	120 Hours
BATTERIES	3 AAA Alkaline (included)
WEIGHT	2.8oz / 78g
WATER RESISTANT	IPX4 (splashing water)

TECHNOLOGY



PERFORMANCE

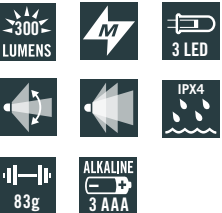
4 Modes	⌚ Time	T. = Total Run Time / R. = Regulated Run Time
HIGH	T. 74h	
FLASH	T. 150h	
MEDIUM	T. 100h	
LOW	T. 120h	
DISTANCE (m)		0 24 40 44

The Remix is equipped with an asymmetrical single arm bracket, easily accessible battery enclosure, and large push button switch. Combine these features with a simple and 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

POWER	300 Lumens
LAMP	1 Maxbright LED 3 Ultrabright LEDs
BURN TIME	150 Hours
BATTERIES	3 AAA Alkaline (included)
WEIGHT	2.9oz / 83g
WATER RESISTANT	IPX4 (splashing water)

TECHNOLOGY



PERFORMANCE

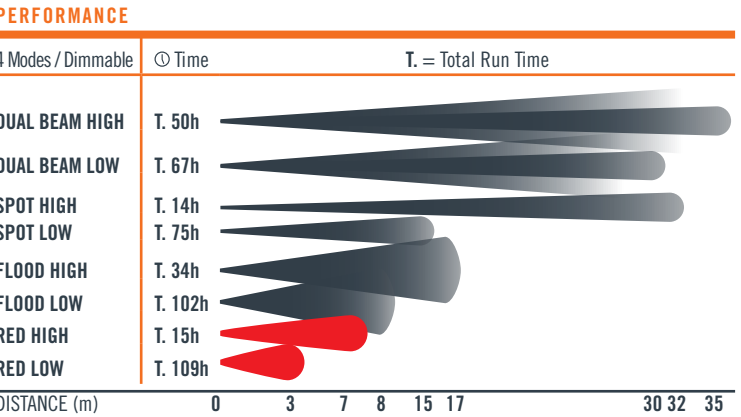
4 Modes	⌚ Time	T. = Total Run Time / R. = Regulated Run Time
SPOT BEAM	T. 28h	
SPOT LOW	T. 53h	
FLOOD HIGH	T. 61h	
FLOOD LOW	T. 150h	
DISTANCE (m)		0 10 28 51 73



AXIS[®] INDUSTRIAL

The Axis gives you the most customizable light options of any headlamp in the Princeton Tec product line. Full, easy to manage, control is in your hands thanks to a hybrid interface; a large push button on the side of the headlamp to cycle through 4 modes surrounded by an intuitive dial to dim and brighten each mode. Begin with the smooth flood beam for up close work, then simply twist the dial when a long-reaching spot beam is needed. Alternatively, get direct access to the powerful spot beam, or use red mode for any tasks requiring a higher level of light discipline. Three AAA batteries provide a long-lasting and easy to replace power source.

SPECS		TECHNOLOGY		
POWER	250 Lumens			
LAMP	1 Maxbright LED w/ Spot (dimnable) 1 Maxbright LED w/ Flood (dimnable) 2 Red Ultrabright LED (dimnable)			
BURN TIME	102 Hours			
BATTERIES	3 AAA Alkaline (included)			
WEIGHT	2.9oz / 83g			
WATER RESISTANT	IPX4 (splashing water)			



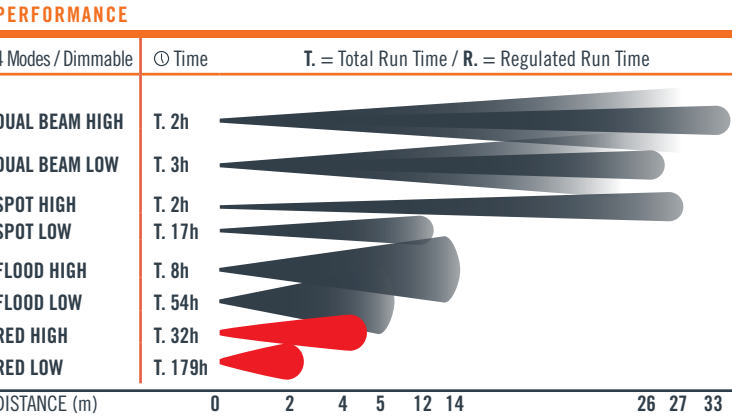
GRAY PN: AX-IND



AXIS[®] RECHARGEABLE INDUSTRIAL NEW

Designed identically to the Axis Industrial, the Axis Rechargeable Industrial gives you all the same levels of control and multitude of options through the hybrid button and dial design, but adds a built-in rechargeable lithium ion battery. Now you can skip the cost and hassle of keeping extra batteries on hand when it's time to refresh your headlamp – just plug the included micro-USB cord into any standard USB charging port and get set for your next day of work.

SPECS		TECHNOLOGY		
POWER	400 Lumens			
LAMP	1 Maxbright LED w/ Spot (dimnable) 1 Maxbright LED w/ Flood (dimnable) 2 Red Ultrabright LED (dimnable)			
BURN TIME	54 Hours			
BATTERIES	Lithium Ion Rechargeable (built-in)			
WEIGHT	2.9oz / 83g			
WATER RESISTANT	IPX4 (splashing water)			



CHARCOAL PN: AX-RC-IND





MADE IN USA

Lachlan McVie

APEX®

The brightest headlamp in our professional series, Apex has been a favorite of user's headed into extreme conditions for years. The pinnacle of waterproof LED headlamp design, Apex incorporates a single Regulated Maxbright LED plus four Regulated Ultrabright LEDs. Apex is capable of a powerful spot beam or a bright flood, and two switches make changing modes intuitive. Proprietary heatsink technology allows the LEDs to burn brighter and longer. Apex is compatible with alkaline, lithium, and rechargeable batteries.

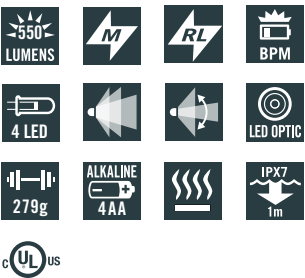


- BLACK PN: APX550-BK
- RED PN: APX550-RD

SPECS

POWER	550 Lumens
LAMP	1 Maxbright LED (dimable), (regulated) 4 Ultrabright LEDs (dimable), (regulated)
BURN TIME	150 Hours
BATTERIES	4 AA Alkaline (included) or Lithium
WEIGHT	9.8oz / 279g
WATERPROOF	IPX7 (1 Meter)
UL RATING	Clas 1 Division 2 Class 2, Division 2

TECHNOLOGY



PERFORMANCE

6 Modes	⌚ Time	T. = Total Run Time / R. = Regulated Run Time
SPOT HIGH	R. 1.5h, T. 2h	
SPOT MED.	R. 2h, T. 11h	
SPOT LOW	R. 10h, T. 96h	
FLOOD HIGH	R. 8h, T. 100h	
FLOOD FLASH	R. 8h, T. 200h	
FLOOD LOW	R. 10h, T. 150h	
DISTANCE (m)	0 22 43 67 92 120	

APEX® RECHARGEABLE

The newest Apex, with 36 hours of burntime, has a rechargeable lithium ion battery pack which clips to the headstrap, or can be moved to the user's belt or pack with an extended power cable. A USB charging cable comes with the headlamp, making it easy to replenish battery power. With a single Regulated Maxbright LED partnered with four white Regulated Ultrabright LEDs, the Apex Rechargeable provides either a powerful spot beam or a bright flood - two big buttons make switching between modes easy.

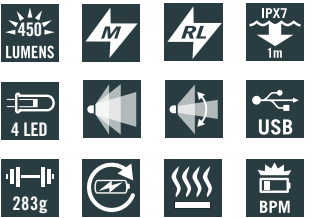


- BLACK PN: APX450-RC-BK

SPECS

POWER	450 Lumens
LAMP	1 Maxbright LED (reg.), (dim.) 4 Ultrabright LEDs (reg.), (dim.)
BURN TIME	12.5 Hours
BATTERIES	Rechargeable Lithium Ion (included)
WEIGHT	10oz / 283g
CHARGE TIME	3+ Hours
WATERPROOF	IPX7 (1 meter)

TECHNOLOGY



PERFORMANCE

6 Modes	⌚ Time	T. = Total Run Time / R. = Regulated Run Time
SPOT HIGH	T. 11.6h	
SPOT MED.	T. 11.5h	
SPOT LOW	T. 12h	
FLOOD HIGH	R. 1h, T. 12.5h	
FLOOD FLASH	R. 12.5h, T. 12.5h	
FLOOD LOW	R. 12.5h, T. 12.5h	
DISTANCE (m)	0 22 43 67 92 120	

APEX® PRO

When you need the power, versatility, and ruggedness of our Apex headlamp, but your workday requires a lighter weight option, you need the Apex Pro. Over 100 grams lighter than our original Apex, the lighter and faster Apex Pro was designed with user's who will be wearing the headlamp for extended amounts of time and are looking to avoid fatigue, in mind. The Apex Pro is powered by 2 CR123 lithium batteries protected in a highly durable and waterproof housing. Built for professionals, perfect for all users.

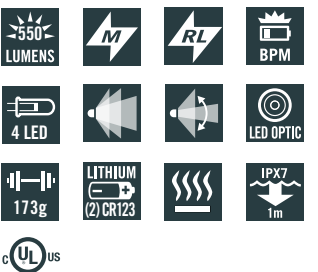


- BLACK PN: APX550-PRO-BK
- RED PN: APX550-PRO-RD

SPECS

POWER	550 Lumens
LAMP	1 Maxbright LED (reg.), (dim.) 4 Ultrabright LEDs (reg.), (dim.)
BURN TIME	12 Hours
BATTERIES	2 CR123 Lithium (included)
WEIGHT	6.10z / 173g
WATERPROOF	IPX7 (1 meter)

TECHNOLOGY



PERFORMANCE

6 Modes	⌚ Time	T. = Total Run Time / R. = Regulated Run Time
SPOT HIGH	R. 1h, T. 11.5h	
SPOT MED.	R. 2.5h, T. 10h	
SPOT LOW	R. 10h, T. 12h	
FLOOD HIGH	R. 5h, T. 12h	
FLOOD FLASH	R. 6h, T. 10h	
FLOOD LOW	R. 12h, T. 12h	
DISTANCE (m)	0 21 35 42 98 122	



SNAP *INDUSTRIAL*

NEW

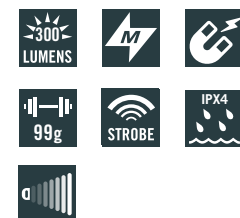
Multi-talented and hard-working: just like you. The SNAP is a one stop tool for any of your lighting needs: headlamp, helmet light, safety flasher, lantern and magnetic area light.

The SNAP starts as a straightforward headlamp with additional focus on modular, adaptable design. SNAP's head unit is removable from the headlamp bracket for handheld operation and use with the included accessories, snapping into place with a strong magnet.

SPECS

POWER	300 Lumens
LAMP	1 Maxbright LED w/ Spot (<i>dimnable</i>)
BURN TIME	130 Hours
BATTERIES	3 AAA Alkaline (<i>Included</i>)
WEIGHT	3.5oz / 99g
WATER RESISTANT	IPX4 (<i>splashing water</i>)

TECHNOLOGY



PERFORMANCE

2 Modes / Dimmable	⌚ Time	T. = Total Run Time / R. = Regulated Run Time
SPOT HIGH	T. 40h	
STROBE	T. 130h	
SPOT DIM	T. 130h	
DISTANCE (m)	0	9 36

PN: SNAP-IND



PN: WIZE 2A



Shown with optional rubber boot

WISELITE 2A

Cordless Rechargeable Miner's Cap Lamp *NEW*

The Wise Light is a rechargeable, self-contained miner's cap lamp designed to clip to the front of a hardhat. Boasting 167 lumens, the Wise Light is impact resistant and waterproof, as well as MSHA approved.

The Wise Light offers low and high settings, accessible by a single button found on the side of the light. Single presses toggle you through off, low, high and back to off again. The large reflector creates 140 degrees of optical angle, throwing a wide beam of light when turned on.

A built-in battery capacity indicator can be accessed to help give you an idea of how much battery is left. Included with the Wise Light is a charging unit and plug.

Features

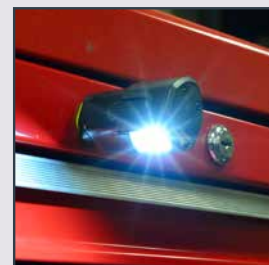
MSHA Approval Number	19-A160002-0
Model	Princeton Tec – WISE2A
Rated capacity	7000mAh
Rated voltage	3.7V
Continuous discharging time	16h
Main light working voltage	3.0V
Main light working current	400mA
Main light power	1.2W
Main light luminous flux	167Lm
Lamp lighting degree (Initial lighting degree in 1 m)	8500Lux
Main light life span	50000h
Auxiliary light power	0.4W
Auxiliary light life span	40000h
Short circuit protection time	320µs
Life span of the battery (<i>recharges</i>)	1200 cycles (<i>in reasonable working condition</i>)
Charging time (<i>by NWB-30</i>)	4h
Dimensions	84x69x50mm
Weight	169g 5.96oz

INCLUDED IN THE KIT:

SNAP Head Unit, Headlamp Attachment & Standard nylon headstrap, Rubber hard hat strap, Two Way Carabiner Mount and Clip (to use as a lantern), Hot Stick attachment (Or any similar sized pole), 3M Dual Lock



Magnetic SnapDapter adheres to metal surfaces



Use as an area light



Hot Stick Attachment



Carabiner Loop Attachment for vertical or overhead hanging

SINGLE CHARGER

Features

AC input	AC 100 ~ 240 V ± 10%, 0.2 A, 50~60 Hz
DC input	7~30 V, 1.6 A
DC output voltage	4.80 V ± 0.05 V (max)
DC output current	2000 mA ± 100 mA (max)
Size	114 x 79 x 35 mm; 4.5 x 3.1 x 1.4 in
Weight	170g / 6 oz
Charging time for WISE2A	4 h

ACCESSORIES

Part Number

WISE2A	167 Lumen MSHA Rechargeable Headlamp
NWB-30	Single Charger for WISE2A
NWCR-12B	12 Lamp Charging Rack for WISE2A
NWCR-24B	24 Lamp Charging Rack for WISE2A
NWCR-36B	36 Lamp Charging Rack for WISE2A
NWCR-120B	120 Lamp Charging Rack for WISE2A
NWCR-204B	204 Lamp Charging Rack for WISE2A
WS-HS	Head strap for WISE2A
WS-BOOT	Rubber replacement boot/black for WISE2A



PN: NWB-30

HANDHELDS



Eric Capers

LEAGUE SERIES
DESIGN AND FEATURES

The first thing you'll notice is the specially designed shape. We contoured the body to fit your hand naturally, reducing or eliminating fatigue during extended use by minimizing the amount of effort necessary to securely grip the light. The result is one of the most comfortable, easiest to grip handhelds available. The large switch is easy to use even while wearing gloves. The lock prevents accidental turn-on and battery drain in your gear bag as well as accidental turn-off while in tight quarters. The large strap loop makes lanyard or carabiner attachment easy.



Large switch is easy to operate even with gloves
Locking switch stays off in your bag and on in the field



Strap loop allows for use with included lanyard or double ended clip



Twelve degree angled head for optimal illumination



Ergonomic shape makes holding this light easier than traditional lights

LEAGUE® II
INTRINSICALLY SAFE



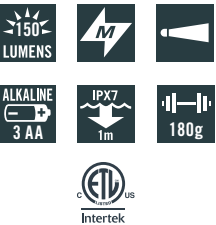
- BLACK PN: LG2-BK
- NEON YELLOW PN: LG2-NY

Light weight and comfortable shape make Princeton Tec's intrinsically safe League II the ideal light for the job. This unobtrusive handheld hides out of the way until it is turned on, when one Maxbright LED creates a powerful 150 lumen spot beam for long-throw illumination. The sculpted shape makes League feel like an extension of your hand, and it has an integrated loop for attachments to cords, webbing or clips. The power switch locks on and off, eliminating the chance of accidental activation, preserving batteries during storage. League is waterproof (IPX7). ETL C11 Div1 intrinsically safe, Classes I, II, III; Divisions 1&2; Groups A-G; Temp Code: -20C to 40C (T4).

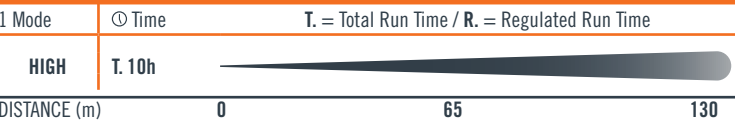
SPECS

POWER	150 Lumens
LAMP	1 Maxbright LED
BURN TIME	10 Hours
BATTERIES	3 AA Alkaline (included)
WEIGHT	6.3oz / 180g
WATERPROOF	IPX7 (1 meter)
ETL RATING	Classes I, II, III; Divisions 1&2; Groups A-G.
TEMP CODE:	T4

TECHNOLOGY



PERFORMANCE



LEAGUE®

Ergonomically designed for comfort, safety, and practicality, the League is a must have on any job site. Boasting a 420 lumen Maxbright LED inside a angled housing, the lightweight League fits comfortably in the hand, and the oversized operating switch is usable and lockable with just your thumb, even in heavy work gloves.



- BLACK PN: LG4-BK
- NEON YELLOW PN: LG4-NY
- BLUE PN: LG4-BL
- WHITE PN: LG4-WT

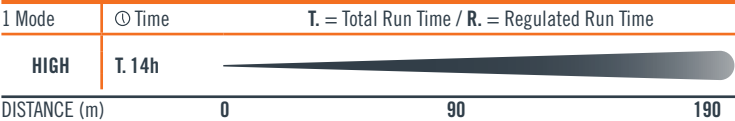
SPECS

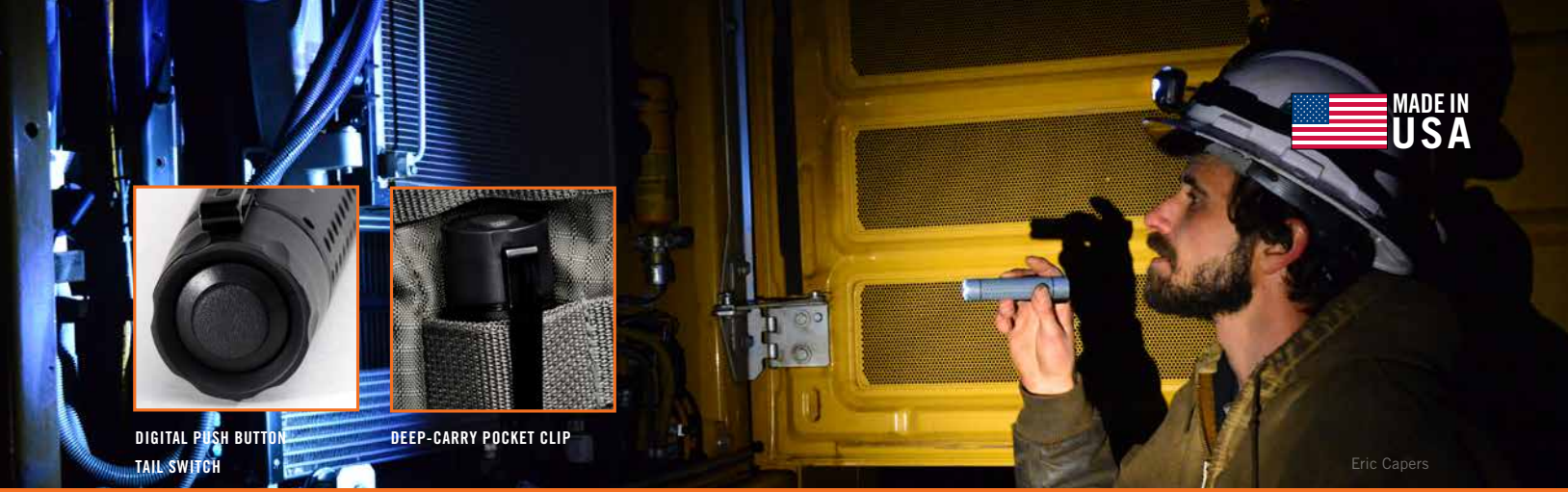
POWER	420 Lumens
LAMP	1 Maxbright LED
BURN TIME	14 Hours
BATTERIES	4 AA Alkaline (included)
WEIGHT	7oz / 203g
WATERPROOF	IPX8 (100 meters)

TECHNOLOGY



PERFORMANCE





TEC 1

The newest handheld lights from Princeton Tec are inspired by our decades of experience creating lights for the most demanding users. These lights have a heart of metal, wrapped by an outside made of the highest quality injection molded polymers. The TEC 1 is powered by a single CR123 cell, blasting out 250 lumens in a focused spot beam pattern. The tailcap switch is conveniently located; tap for momentary light or press for constant light. The 1" diameter makes this light compatible with many available mounts on the market.

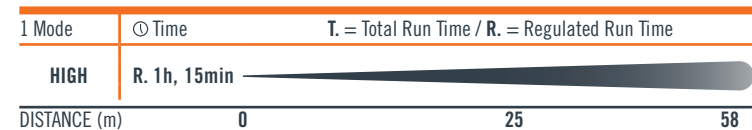
SPECS

POWER	250 Lumens
LAMP	1 Maxbright LED (regulated)
BURN TIME	1 hour, 15 minutes
BATTERIES	1 CR123 (included)
WEIGHT	3.17oz / 90g
WATERPROOF	IPX7 (1 meter)

TECHNOLOGY



PERFORMANCE



- BLACK PN: T1-BK
- GREEN PN: T1-GRN
- GRAY PN: T1-GRY

TEC 2

The newest handheld lights from Princeton Tec are inspired by our decades of experience creating lights for the most demanding users. These lights have a heart of metal, wrapped by an outside made of the highest quality injection molded polymers. The slightly larger member of this duo, TEC 2 is powered by two CR123 cells and promises 250 lumens of light in a focused spot beam pattern. The tailcap switch is conveniently located; tap for momentary light or press for constant light. The 1" diameter makes this light compatible with many available mounts on the market.

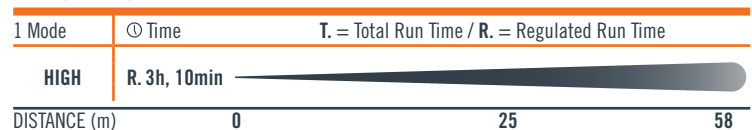
SPECS

POWER	250 Lumens
LAMP	1 Maxbright LED (regulated)
BURN TIME	3 hours, 10 minutes
BATTERIES	2 CR123 (included)
WEIGHT	4.2oz / 120g
WATERPROOF	IPX7 (1 meter)

TECHNOLOGY



PERFORMANCE



- BLACK PN: T2-BK
- GREEN PN: T2-GRN
- GRAY PN: T2-GRY



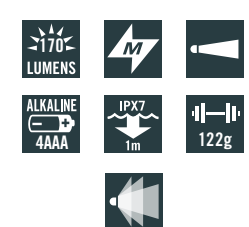
AMP 3.5

The Amp 3.5 uses our rugged and lightweight thermoplastic body, overmolded for an ergonomic, positive grip. Equipped with a powerful 170 lumen spot beam the Amp 3.5 shines up to 80 meters in high output mode. 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.

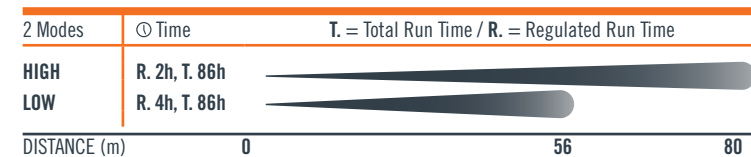
SPECS

POWER	170 Lumens
LAMP	1 Maxbright LED (regulated)
BURN TIME	86 Hours
BATTERIES	4 AAA Alkaline (included)
WEIGHT	4.3oz / 122g
WATERPROOF	IPX7 (1 meter)

TECHNOLOGY



PERFORMANCE



- BLACK PN: A170-BK
- NEON YELLOW PN: A170-NY



AMP 1L

The tiny Amp 1L packs a 100 lumen LED. With a large carabiner loop, this handheld light can hang off of a gear loop on your pack; waterproof to 100M (330ft), Amp 1L is also at home in the worst weather. Comes with a snap on cone to convert your flashlight into a marker light just in case.

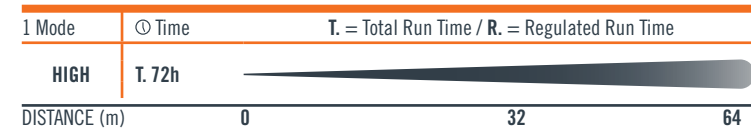
SPECS

POWER	100 Lumens
LAMP	1 Maxbright LED
BURN TIME	72 Hours
BATTERIES	2 AAA Alkaline (included)
WEIGHT	2oz / 57g
WATERPROOF	IPX8 (100 meters)

TECHNOLOGY



PERFORMANCE



CONE COLOR OPTIONS



- BLACK PN: A90LBC-BK
- NEON YELLOW PN: A90LBC-NY



OPENS BOTTLES



IMPACT® XL

Weighing in at approximately 197 grams and offering waterproof integrity to 100 meters, the Impact® XL utilizes a Maxbright LED. The light output is significantly greater than competing Xenon and halogen bulbs and it produces a truer, whiter light. The innovative rubber over molded grip ensures you'll be able to securely hold the light even under the most demanding conditions. With over 50 hours of burn time and its rugged impact resistant design, the Impact XL is sure to be reliable when you need it.

SPECS

POWER	170 Lumens
LAMP	1 Maxbright LED (regulated)
BURN TIME	76 Hours
BATTERIES	4 AA Alkaline (included)
WEIGHT	7oz / 197g
WATERPROOF	IPX8 (100 meters)
UL RATING	Class I Division 2 Groups A, B, C & D Class II Division 2 Groups F & G

TECHNOLOGY

PERFORMANCE



- BLACK

● NEON YELLOW

● BLUE
- PN: IMPXL-BK

PN: IMPXL-NY

PN: IMPXL-BL

TORRENT® LED

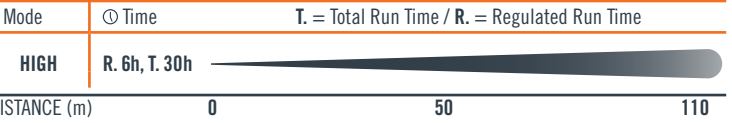
The Torrent® LED was designed to be the go-to light when the job runs into the night hours. With a full hand grip, this torch emits a powerful 330 lumens of brightness making it ideal for long range illumination. The locking switch mechanism ensures it will not be accidentally turned on, and the Maxbright LED will stand up to a beating for over 10,000 hours of bright white light. The Torrent® offers waterproof integrity to 100 meters.

SPECS

POWER	330 Lumens
LAMP	1 Maxbright LED (regulated)
BURN TIME	30 Hours
BATTERIES	8 AA Alkaline (included)
WEIGHT	13oz / 365g
WATERPROOF	IPX8 (100 meters)
UL RATING	Class I Division 2, Groups A, B, C & D Class II Division 2, Groups F & G

TECHNOLOGY

PERFORMANCE



- BLACK

● NEON YELLOW

● BLUE
- PN: TORR-BK

PN: TORR-NY

PN: TORR-BL

SECTOR® 5

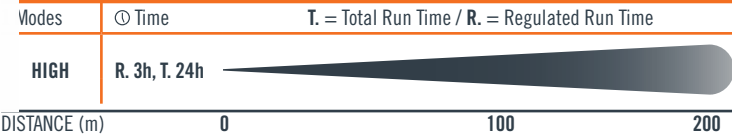
The potent 550 lumen Sector 5 is a serious spotlight delivering extensive illumination. Four C-cell batteries keep the powerhouse light compact while providing 24 long hours of burn time. The trigger switch is easy to use with gloved hands; access momentary on via a half-pull and constant on via full pull. The trigger also locks out to prevent accidental activation and battery drain while in transit or storage.

ECS

POWER	550 Lumens
LAMP	1 Maxbright LED (regulated)
BURN TIME	24 Hours
BATTERIES	4 C Alkaline (included)
WEIGHT	23oz / 650g
WATERPROOF	IPX8 (100 meters)
UL RATING	Class 1 Division 2

TECHNOLOGY

PERFORMANCE



- BLACK

● NEON YELLOW

● BRIGHT ORANGE
- PN: S5-BK

PN: S5-NY

PN: S5-BO

SECTOR® 7

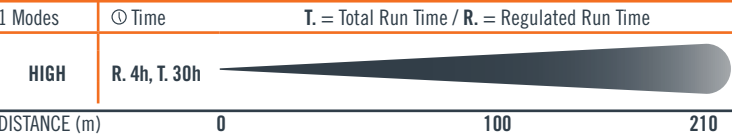
This pistol grip spotlight packs 700 lumens. Eight C-cell batteries provide 30 hours of burn time. The trigger switch is easy to use with gloved hands; access momentary on via a half-pull and constant on via full pull. The switch locks out to prevent accidental illumination and battery drain while in transit or storage.

SPECS

POWER	700 Lumens
LAMP	1 Maxbright LED (regulated)
BURN TIME	30 Hours
BATTERIES	8 C Alkaline (included)
WEIGHT	38oz / 1075g
WATERPROOF	IPX8 (100 meters)

TECHNOLOGY

PERFORMANCE



- BLACK

● NEON YELLOW
- PN: S7-BK

PN: S7-NY

TEC® 40

This compact halogen unit cuts through fog and provides a daylight color temperature beam capable of reaching over 100 meters. The non-slip rubber grip ensures you'll be able to securely hold the light in all working environments, including water up to 100 meters. The twist-activated switch prevents accidental turn-on.



- BLACK PN: T40-0M-BK
- NEON YELLOW PN: T40-0M-NY

SPECS		TECHNOLOGY		
MAX POWER	28 Lumens			
LAMP	1 Halogen Bulb			
MAX BURN TIME	5 Hours			
BATTERIES	4 AA Alkaline (included)			
WEIGHT	6.4oz / 181g			
WATERPROOF	IPX8 (100 meters)			
UL RATING	Class I Division 2, Class II Division 2 Groups A, B, C, D			
UL TEMP CODE	T3			



HARDHAT CLIPS

FOR HANDHELD FLASHLIGHTS

The Princeton Tec Universal Hard Hat Light Mount is designed to firmly attach a flashlight to most hard hats. This mount comes with provisions to snap into a front brim, or clamp onto a full brim model. Hard Hat Light Mount is compatible with most Princeton Tec handheld lights, including Amp 1, Amp 3.5, League and Torrent.

PN: HEL-KIT



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.



- BLACK PN: P-1-BK

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.



- BLACK SP-1-BK

IMPULSE®

The 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.



- BLACK PN: IMP-1-BK

SPECS		TECHNOLOGY		
POWER	10 Lumens			
LAMP	1 Ultrabright LED			
BURN TIME	12 Hours			
BATTERIES	(2) 2016 Lithium Coin Cell (included)			
WEIGHT	.24oz / 7g			
WATER RESISTANT	IPX4 (splashing water)			

SPECS		TECHNOLOGY		
POWER	10 Lumens			
LAMP	1 Ultrabright LED			
BURN TIME	12 Hours			
BATTERIES	(2) 2016 Lithium Coin Cell (included)			
WEIGHT	.24oz / 7g			
WATER RESISTANT	IPX4 (splashing water)			

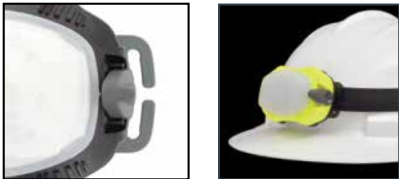
SPECS		TECHNOLOGY		
POWER	20 Lumens			
LAMP	1 Ultrabright LED			
BURN TIME	36 Hours			
BATTERIES	(2) 2016 Lithium Coin Cell (included)			
WEIGHT	.6oz / 17g			
WATER RESISTANT	IPX4 (splashing water)			
UL RATING	Class 1 Division 2 Class 2, Division 2			



Detaches from carabiner Universal hat clip

MERIDIAN®

The Meridian LED emergency strobe and locator light is visible for over a mile and throws an extra-wide beam. The body is designed to be low-profile and adaptable to a wide range of uses: easy attachment to hardhat or any 1" webbing is possible. The toggle switch allows for operation of red and white strobing modes. Built to withstand the rigors of the jobsite, the light will make it through the most brutal weather with its waterproof rating.



Bracket Fits any 1 inch webbing

SPECS

POWER	100 Lumens Visible Over a Mile
LAMP	1 White Maxbright LED (flashing) 1 Red Maxbright LED (flashing)
BURN TIME	100 Hours
BATTERIES	3 AAA Alkaline (included)
WEIGHT	3.5oz / 101g
WATERPROOF	IPX8 (100 meters)

TECHNOLOGY



2 MODES



WHITE STROBE

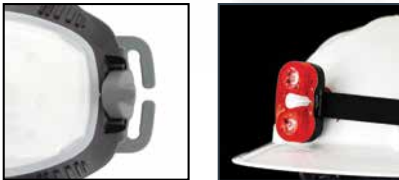


RED BEACON

● BLACK PN: ST-BK ● NEON YELLOW PN: ST-NY

SWERVE®

Swerve attaches to the rear of a hard hat to ensure visibility. The light has two modes – flash and constant – providing options for any jobsite situation. With a large toggle switch to select constant, strobe, or off mode, operation is second nature and the user can keep their eyes on task. Two high-power LEDs and a 180 degree beam pattern make Swerve one of the most effective safety lights on the market. In flash mode, the blink rate constantly changes, lending a very high level of visibility because it does not give observers' eyes a chance to relax. Lasting 70 hours on a pair of AAA batteries, Swerve burns bright on through overtime.



Bracket Fits any 1 inch webbing

SPECS

LAMP	2 Maxbright LEDs
BURN TIME	70 Hours
BATTERIES	2 AAA Alkaline (included)
WEIGHT	2.85oz / 81g
WATER RESISTANT	IPX4 (splashing water)

TECHNOLOGY



2 MODES



RED STROBE



RED CONSTANT

● RED PN: SWERVE

AQUA STROBE LED



SPECS

POWER	100 Lumens Visible Over a Mile 60 flashes per minute
LAMP	1 White Maxbright LED (flashing)
BURN TIME	12 hours
BATTERIES	1 AA Alkaline (included)
WEIGHT	3.3oz / 96g
WATERPROOF	IPX8 (100 meters)

TECHNOLOGY



1 MODE



WHITE STROBE

ECO® FLARE

A vital part of any worker's equipment bag, the Eco Flare can be set on constant, high-output mode for use as an area/personal locator light, or on flashing, red Ultrabright LED mode for low-visibility, dark nights. The Ultrabright LED will burn in excess of 500+ hours on 2 AAA alkaline batteries.



SPECS

POWER	10 Lumens
LAMP	1 Red Ultrabright LED 1 White Ultrabright LED
BURN TIME	500 Hours
BATTERIES	2 AAA Alkaline (included)
WEIGHT	1.5oz / 42g
WATERPROOF	IPX8 (100 meters)

TECHNOLOGY



2 MODES



WHITE STROBE



RED BEACON

● ROCKET RED PN: EF-2-RR ● NEON YELLOW PN: EF-2-NY
● BLACK PN: EF-2-BK



HELIX® BASECAMP

This lantern packs an even brighter punch than the Backcountry. The collapsible globe and folding legs raise the lantern up to make the most of this lantern's 250 lumens; built in spotlight plus hanging and aiming options make this lantern incredibly adaptable. Unique warm white LEDs are easy on the eyes.



● RED PN: HX2-BK

SPECS

POWER	250 Lumens (white LED)
LAMP	1 White Maxbright LED (dimnable) 1 Red Ultrabright LED (dimnable)
BURN TIME	30 Hours
BATTERIES	3 AA Alkaline (included)
WEIGHT	12.6oz / 358g
WATER RESISTANT	IPX6 (powerful spray)

TECHNOLOGY



LED COLOR	WHITE		RED	
MODE	High	Low	High	Low
BURNTIME	8h	30h	16h	40h

HELIX® BACKCOUNTRY RECHARGEABLE

Forget carrying extra weight, the Backcountry Rechargeable is an efficient battery free option in the Helix series. An industry standard micro-USB port powers up the rechargeable battery that allows this lightweight lantern to put out a bright beam that's easy on the eyes. The expanding globe and folding legs help Helix Backcountry Rechargeable to shine over a wide area and pack down to fit easily in hand. The Helix lantern design also incorporates several hanging and spotlight options.



● GREEN PN: HX1-RC-BK
● GRAY/BLACK PN: HX1-RC-GRY



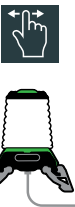
SPECS

POWER	150 Lumens (white LED)
LAMP	1 White Maxbright LED (dimnable) 1 Red Ultrabright LED (dimnable)
BURN TIME	18 Hours
BATTERIES	Lithium Rechargeable (built-in)
WEIGHT	5.4oz / 155g
WATER RESISTANT	IPX6 (powerful spray)

TECHNOLOGY



LED COLOR	WHITE		RED	
MODE	High	Low	High	Low
BURNTIME	6h	18h	7h	22h



HELIX® BACKCOUNTRY

This small lantern delivers more area light, more effectively than many of it's larger competitors and gets even smaller when folded down for travel. With dimmable white and red modes controlled by a button-free swipe control surface, Helix is easy to use and water resistant. The legs conform to any uneven surface, while multiple hanging options allow for secure placement in any situation. Unique warm white LEDs easy on the eyes, and red LEDs provide the ultimate in low signature area lighting. Remove the collapsible globe in either mode to create a focused spot light.



● RED PN: HX1-BK
● TAN/OD PN: HX1-MC



SPECS

POWER	150 Lumens (white LED)
LAMP	1 White Maxbright LED (dimnable) 1 Red Ultrabright LED (dimnable)
BURN TIME	24 Hours
BATTERIES	3 AAA Alkaline (included)
WEIGHT	5.5 oz / 155g
WATER RESISTANT	IPX6 (powerful spray)

TECHNOLOGY



LED COLOR	WHITE		RED	
MODE	High	Low	High	Low
BURNTIME	8h	24h	12h	32h

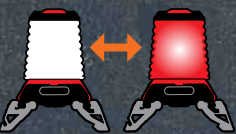
HELIX LANTERN SERIES DESIGN AND FEATURES

When Princeton Tec set out to design our series of lanterns, the team took a long, hard look at which design elements would best serve the end user. Folding legs raise the Helix to provide a broader light dispersement; they also create a stable foundation that holds fast even on irregular surfaces. These lanterns hang and stand in many configurations, providing everything from broad area light to focused task lighting. The controls are unique as well, with the Backcountry's button-free swipe control surface and the Basecamp's familiar power dial. They all collapse down to a fraction of their normal size when it comes time to pack up the job site.

Multiple hanging and positioning options



Dimmable white & red modes



Packs down to half size

