YEAR 10 LED LIGHTS & BEAM PATTERN GUIDE
Year 10 sees our range of LED lights once again step up to another level and continue to lead the industry in bike lighting and safety. Still packed with innovative technologies—like MOR Lenses, Constant Lumens and sleek CNC-machined aluminum bodies—our team of in-house engineers continue to push the boundaries of LED technology. Verified in our integrating sphere, our claimed lumens and runtime are accurate and consistent. Diehard mountain bikers, daytime commuters and everyone in between can appreciate our diverse collection of advanced LED lights for their proven performance, versatility and visibility.

LED LIGHTS ICONS LEGEND

ALUMINUM CONSTRUCTION - A lightweight and durable construction used throughout our line to create elegant and functional products.

COMPOSITE MATRIX - A high-strength, fiber reinforced material used to create mold injected hardware.

CNC MACHINED - CNC machined aluminum parts for precise and durable construction.

CONSTANT LUMENS - Innovative lumen management system maintains a consistent lumen throughout the LED's battery cycle.

MODE MEMORY - The light remains in the output setting it is switched OFF in.

MOR OPTICS - MOR (Maximum Optical Reflection) lenses are optimized to maximize LED output, beam pattern and lumen efficiency.

INTELLIGENT POWER INDICATOR - Integrated power and charging indicator.

USB RECHARGEABLE - Devices are USB rechargeable via integrated USB stick or supplied micro-USB cable.

SIDE VISIBILITY - Unique designs maximize side visibility and enhances safety.

AUTO FLASHER - Auto on/off power saving technology detects movement.
DECA DRIVE 1500XXL
The finest high-performance LED cycling light designed for all forms of serious night riding.
Compact, durable and heat-dissipating CNC machined aluminum construction.
Three market-leading, ultrahigh-output LEDS delivering up to 1,500 lumens.
Optimized Constant Lumens system maintains steady lumen output throughout battery cycle.
Optional Overdrive Race Mode toggles between Overdrive and Economy modes only.
Mode Memory function returns to selected mode after turning off.
Enhanced MOR (Maximum Optical Reflection) lens with built-in side visibility.
High-speed 2 Amp USB charging capabilities (with compatible wall adapter).
Ultra rugged and pliable strap securely mounts to all standard bar shapes.
Advanced Li-Ion battery for superior run time.
258g (including strap mount)

SUPER DRIVE 1250XXL
Super high-performance LED cycling light with excellent night riding capabilities.
Compact, durable and heat-dissipating CNC machined aluminum construction.
Three market-leading, ultrahigh-output LEDS delivering up to 1,250 lumens.
Optimized Constant Lumens system maintains steady lumen output throughout battery cycle.
Optional Overdrive Race Mode toggles between Overdrive and Economy modes only.
Mode Memory function returns to selected mode after turning off.
Enhanced MOR (Maximum Optical Reflection) lens with built-in side visibility.
High-speed 2 Amp USB charging capabilities (with compatible wall adapter).
Ultra rugged and pliable strap securely mounts to all standard bar shapes.
Advanced Li-Ion battery for superior run time.
255g (including strap mount)

POWER DRIVE 1100XL
High-performance, multi-purpose LED cycling light.
Compact, durable and heat-dissipating CNC machined aluminum body.
Two market-leading, ultrahigh-output LEDS delivering up to 1,100 lumens.
Optimized Constant Lumens system maintains steady lumen output throughout battery cycle.
Optional Overdrive Race Mode toggles between Overdrive and Economy modes only.
Mode Memory function returns to selected mode after turning off.
Enhanced MOR (Maximum Optical Reflection) lens with built-in side visibility.
High-speed 2 Amp USB charging capabilities.
Versatile handlebar strap securely mounts to round and aero bars.
Advanced Li-Ion battery for superior run time.
257g (including strap mount)

MACRO DRIVE 800XL
High-performance, multi-purpose LED cycling light.
Compact, durable and heat-dissipating CNC machined aluminum body.
Ultrahigh-output LEDS delivering up to 800 lumens.
Optional Overdrive Race Mode toggles between Overdrive and Economy modes only.
Mode Memory function returns to selected mode after turning off.
Enhanced MOR (Maximum Optical Reflection) lens with built-in side visibility.
High-speed 2 Amp USB charging capabilities.
Versatile handlebar strap securely mounts to round and aero bars.
Advanced Li-Ion battery for superior run time.
146g (including strap mount)

LOADED OPTION
Expanded LED package loaded with additional night riding accessories.
Durable Composite Matrix container with sturdy foam organizer.
Available for Deca Drive, Super Drive, Power Drive and Macro Drive LEDs.
EACH LOADED KIT CONTAINS:
Deca Drive 1500XXL or Super Drive 1250XXL
- Aluminum Bar Mount (31.8 / 25.4mm)
- CM Helmet Mount
- Micro USB charging cable
Power Drive 1100XL or Macro Drive 800XL
- CM Bar Mount (31.8 / 25.4mm)
- Universal CM Helmet Mount
- Micro USB charging cable
**MICRO DRIVE 450XL**

Multi-purpose performance LED cycling light.
- Compact, durable and heat-dissipating CNC machined aluminum construction.
- Ultrahigh-output LEDs delivering up to 450 lumens.
- Optional Overdrive Race Mode toggles between Overdrive and Economy modes only.
- Mode Memory function returns to selected mode after turning off.
- Nine combined lumen and flash modes.
- Enhanced MOR (Maximum Optical Reflection) lens with built-in side visibility.
- Integrated cable-free recharging USB stick.
- Versatile handlebar strap secures to round and aero bars.
- Advanced Li-Poly battery for superior run time.

**HECTO DRIVE 350XL**

Multi-purpose performance LED cycling light.
- Compact, durable and heat-dissipating CNC machined aluminum construction.
- Ultrahigh-output LED delivering up to 350 lumens.
- Mode Memory function returns to selected mode after turning off.
- Seven combined lumen and flash modes.
- Enhanced MOR (Maximum Optical Reflection) lens with built-in side visibility.
- Integrated cable-free recharging USB stick.
- Versatile handlebar strap secures to round and aero bars.
- Advanced Li-Poly battery for superior run time.

**ZECTO DRIVE**

Low profile, high visibility light with three ultra bright LEDs. Up to 120 lumens and seven output options.
- Lightweight and durable composite matrix body with machine aluminum faceplate.
- Advanced Li-Poly battery for superior run time.
- Integrated power indicator displays battery life and provides side visibility.
- Convenient Micro-USB rechargeable design.
- Versatile 2-in-1 Clip-On System straps to bars or clips to loops.

**LED LIGHTS - FRONT LIGHTS**

**STRIP DRIVE**

Powerful fixed LED cycling light.
- Light and durable co-molded lens/body construction.
- Unique aero and round bar compatible design.
- Five ultrahigh-output LEDs delivering up to 120 lumens.
- Mode Memory function returns to selected mode after turning off.
- Nine combined lumen and flash modes.
- Enhanced lens with built-in side visibility.
- Integrated cable-free recharging USB stick.

**HELMET MOUNTS**

AL Helmet Mount (Deca Drive / Super Drive):
- Versatile LED helmet mount follows line of sight for optimized night riding.
- Lightweight and sturdy machined aluminum base plate.
- Easy to install: Velcro strap fits virtually all helmet styles.
- Spherical pivot for easy alignment and on-the-fly adjustments.

CM Helmet Mount (Deca Drive / Super Drive):
- Versatile LED helmet mount follows line of sight for optimized night riding.
- Durable, mold injected Composite Matrix construction.
- Easy to install: Velcro strap fits virtually all helmet styles.
- Universal design adapts to nearly allstrap-style lights.

Universal CM Helmet Mount:
- Versatile LED helmet mount follows line of sight for optimized night riding.
- Durable, mold injected Composite Matrix construction.
- Easy to install: Velcro strap fits virtually all helmet styles.
- Universal design adapts to nearly allstrap-style lights.
STAND OUT AT DUSK.

FEMTO DRIVE (FRONT)
- Ultra-compact safety light with integrated lens On/Off switch.
- Durable machined aluminum construction.
- Side Visibility lens extends beyond body to provide 180 degrees of visibility.
- Two replaceable CR2032 batteries power one bright LED.
- Up to 15 lumens with two output/flash options.
- Available in seven unique anodized colors.

KTV DRIVE (FRONT)
- Compact, high visibility safety light with two ultra bright LEDs.
- Durable, waterproof construction. Super lightweight.
- Provides up to 70 lumens and six output/flash modes.
- Side Visibility cutouts for 180 degrees of visibility.
- Versatile 2-in-1 Clip-On System straps to bars or clips to loops.
- Integrated USB stick for convenient cable-free recharging.

MACRO DRIVE DUO
- Compact and powerful 2-in-1 helmet light.
- Innovative machined aluminum body integrates front and rear LEDs with Side Visibility.
- Maximum of 400 lumens up front and five lumens in the rear.
- Micro-USB rechargeable with high speed 2 Amp charging capability.
- Includes versatile CM helmet mount that follows line-of-sight for optimized night riding.

ZECTO DRIVE PRO
- Low profile, dual-mode front or rear LED safety light.
- Front Mode: Two LEDs provide up to 160 lumens.
- Rear Mode: One red LED provides up to 40 lumens.
- Lightweight and durable composite body with machined aluminum faceplate.
- Intelligent Power Indicator displays battery life and provides side visibility.
- Convenient Micro-USB rechargeable design.

FEMTO DUO (FRONT/REAR)
- Two-in-one safety light integrated into a versatile helmet mount.
- Front and rear light coupled by a composite matrix junction.
- Compatible with nearly all vented style helmets.
- High-grade polycarbonate lenses provide side visibility and double as the power button.
- Front: 75 lumens, Rear: 15 lumens, two output modes.
- Easy to replace CR2032 batteries.

LED LIGHTS - COMMUTER LIGHTS
MICRO DRIVE (REAR)
Lightweight and durable CNC machined aluminium body.
Constant Lumens power management produces a steady lumen output.
Powerful LED provides up to 30 lumens with integrated Side Visibility.
Integrated USB stick for convenient cable-free recharging.
Snap fit CRD mount with silicone strap attaches to a wide range of bars and posts.
Available individually or in front / rear pair combinations.

ZECTO DRIVE AUTO
Low profile, high visibility light with three ultra bright LEDs.
Innovative motion detecting system automatically turns light off (after 3 minutes) and on.
Lightweight and durable composite matrix body with machined aluminium faceplate.
Intelligent Power Indicator displays battery life and provides side visibility.
Convenient Micro-USB rechargeable design.
Versatile 2-in-1 Clip-On System straps to bars or clips to loops.

STRIP DRIVE (REAR)
Powerful 5 LED tail light.
Lightweight and durable co-molded lens/body construction.
Unique aero and round post compatible design.
Five bright-output LEDs delivering up to 35 lumens.
Mode Memory function returns to selected mode after turning off.
Four combined lumens and flash modes.
Enhanced lens with built-in side visibility.
Integrated cable-free recharging USB stick.

ZECTO DRIVE (REAR)
Low profile, high visibility light with three ultra bright LEDs.
Up to 20 lumens and six output options.
Lightweight and durable composite matrix body with machined aluminium faceplate.
Intelligent Power Indicator displays battery life and provides side visibility.
Convenient Micro-USB rechargeable design.
Versatile 2-in-1 Clip-On System straps to bars or clips to loops.

STRIP DRIVE PRO
Extremely powerful 5 LED tail light.
Light and durable co-molded lens/body construction. Waterproof.
Unique aero and round post compatible design.
Five bright-output LEDs delivering up to 100 lumens.
Mode Memory function returns to selected mode after turning off.
Four combined lumens and flash modes.
Enhanced lens with built-in side visibility.
Integrated cable-free recharging USB stick.

LASER DRIVE (REAR)
Compact, high visibility safety light with four ultra bright LEDs.
Laser mode beams two safety strips on the ground.
Light and durable co-molded lens/body construction. Waterproof.
Unique aero and round post compatible design.
Provides up to 40 lumens and three output/flash modes.
Side Visibility for 180 degrees off validity.
Convenient Micro-USB rechargeable design.
KTV DRIVE REAR STVZO*
Compact, high visibility safety light.
STVZO lens overcomes light output direction.
Durable, waterproof construction. Super lightweight.
Two LED system provides 11 lumens of output.
Side Visibility cutouts for 180 degrees of visibility.
Unique rear and round post compatible design.
Integrated USB stick for convenient cable free recharging.

KTV DRIVE (REAR)
Compact, high visibility safety light with two ultra bright LEDs.
Durable, waterproof construction. Super lightweight.
Provides up to nine lumens and three output/flash modes.
Side Visibility cutouts for 180 degrees of visibility.
Unique rear and round post compatible design.
Integrated USB stick for convenient cable free recharging.

FEMTO DRIVE (REAR)
Ultra compact safety light with integrated lens On/Off switch.
Durable machined aluminum construction.
Side Visibility lens extends beyond body to provide 180 degrees of visibility.
Two replaceable CR2032 batteries power one bright LED.
Up to 7 lumens with two output/flash options.
Versatile 2-in-1 Clip-On System straps to bars or clips to loops.
Available in seven unique anodized colors.

CR2032 BATTERIES
CR2032 batteries for Femto Drive LEDs.
Available in 2-pack or 8-pack.

LED LIGHTS - REAR LIGHTS
LED LIGHTS - BOX SETS
LED LIGHTS - BOX SETS
FEMTO DRIVE BOX
Femto Drive countertop display box.
Available in two variations: Femto Drive front, Femto Drive rear or Femto Drive front/rear mix.
One box includes 12 LEDs complete with Clip-On System hardware.

KTV DRIVE BOX
KTV Drive countertop display box.
Available in two variations: all Front KTV Drives or all Rear KTV Drives.
One box includes 12 LEDs complete with Clip-On System hardware.

*STVZO: Straßenverkehrs-Zulassungs-Ordnung (German Traffic Regulations)
CONCEPT
Like all Lezyne products, our range of LED lights are born out of a concept. It could be during a ride, or while tinkering on a bike, that a thought or idea starts taking shape. This idea is then researched versus the market and all of the possibilities are analyzed. This is how it all begins—a concept—and this is how we continue to innovate and develop the most cutting edge LED systems in the world.

DEVELOPMENT
At Lezyne we continue to develop everything in house; this is one of our key philosophies and how we’re able to stay at the forefront of LED design and innovation. Since entering the LED market, we’ve assembled a group of extremely talented designers and engineers who have the creative freedom to think outside of the box and push the limits of LED technology. Through 3D modeling, prototyping and testing, every light we produce is built with the best technology and materials. Furthermore, they’re optimized with advanced programming to provide the best efficiency, output and battery life.

PROVEN
While we do calculate what each of our LEDs put out in lumens, we also verify it in an integrating sphere. This is an advanced lumen testing device that allows us to prove the output of our LEDs. Not only that, it allows us to monitor the output over the course of a battery cycle. This provides vital information so we can develop advanced programming features like constant lumens. Testing is a critical process during development and our integrating sphere is an essential component to that.

MANUFACTURING
Not only do we design our LED units in house, but we build them in house too. This provides a great deal of benefits. In short, technology innovations can be implemented quicker, we can create a more unique looking product and we have full control over the quality of our LEDs. In addition to manufacturing in house, our LEDs are also tested before leaving the factory. Our QC process involves 100% full functional testing, waterproofness and battery capacity verification. In the end, manufacturing in house also reduces cost and increases quality. This provides the best cost-per-lumen ratio packed into a superior product.

FEATURES
What makes Lezyne LEDs better? Well, in addition to the using the best possible materials, having an R&D team on the cutting edge of innovation and then building and testing them in house, there are still plenty of other standout features. We’re building components—not toys—so we construct the majority of our LEDs out of CNC machined aluminum. This provides a more durable, sexier product without sacrificing weight. Our lenses are different; they’re enhanced with our MOR Optics technology, which optimizes our beam patterns and lumen output. They’re safer; we have unique features like “side visibility” to increase safety. And we keep everything as compact and powerful as possible, completed with a visually standout design that proudly conveys, “Lezyne, Engineered Design.”

GLOSSARY
Lumen: A measure of the total amount of visible light emitted by a source
LED: Light-emitting Diode
Engineer: Engineers design materials, structures and systems while considering the limitations imposed by practicality, regulation, safety and cost
3D Modeling: A process of developing a mathematical representation of any three-dimensional surface of an object via specialized software
Integrating Sphere: An optical component consisting of a hollow spherical cavity with its interior covered with a diffuse white reflective coating, with small holes for entrance and exit ports. It’s with a light source and a detector for optical power measurement

VIDEO LINK: Lezyne’s Integrating Sphere - How we test lights
POWER DRIVE 1100XL
OVERDRIVE MODE SHOWN (1100 LUMENS)

MACRO DRIVE 800XL
OVERDRIVE MODE SHOWN (800 LUMENS)
MICRO DRIVE 450XL
OVERDRIVE MODE SHOWN (450 LUMENS)

HECTO DRIVE 350XL
BLAST MODE SHOWN (350 LUMENS)