

REview

the lighting news by Spanninga

09/08
year 13

Performance – X-tra powerful & wide beam for X-tremely great autonomy

Intelligence – Smart power control over the LEDs and energy saving

Weight – X-tremely light weight in its category

Versatility – Easily adaptable to all kinds of mounting

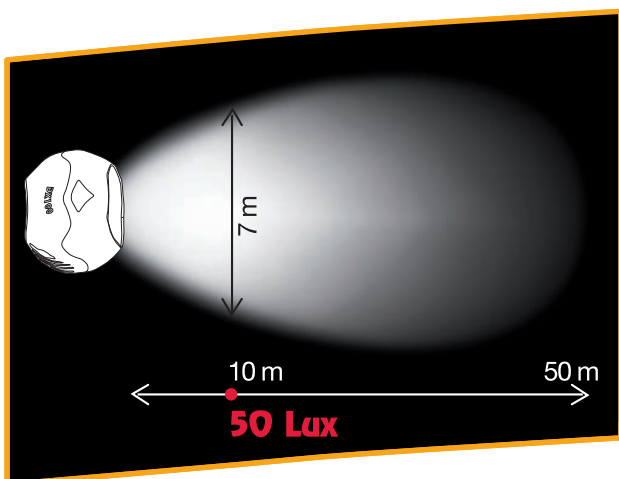
Handling – Ergonomic shape and wide range of accessories

Security – Safe use with all-risk protection

Sneak preview at
the Eurobike 2008



DX100
THE - TREME POWER
by Spanninga



Performance

With 2 high-power 'Pure White' LEDs and a very low consumption (400 mA only versus 1.5A with standard LEDs), you will be able to ride for hours with an amazing light beam.

Its power: the X-tra large beam.

With more than 200 Lumen at the source of the 5W LEDs, the DX100 projects a 7m-wide beam of 50Lux at 10 meters distance. This performance is enabled by 2 metal-coated lenses with 10° angle that is especially optimized for focussing the light beam.

Intelligence

Such a power in such a small product? The power supply of the LEDs is cleverly controlled by one microprocessor, which is the core of the lamp. It manages everything from the power regulation modes to the battery autonomy through the heat protection. In its nice designed compact body, the DX 100 features 2 power regulation



Especially designed for mountain biking and X-treme using conditions (hiking, caving, jogging, etc.), this powerful rechargeable headlamp is as bright as daylight.

modes. You can choose to use it in **'Optimal Power'** – i.e. 30 Lux at 10m distance – for more than 14h autonomy or in **'Extreme Power'** for more than 7 hours.

Weight

Due to the very light weight of the lamp – less than 100g –, and its battery pack – about 240g only – you can easily clip them to your belt, your bag or mount it on your bike – for which all sorts of brackets are supplied. All the components and material have been carefully chosen to make the DX 100 as light and resistant as possible.

Versatility

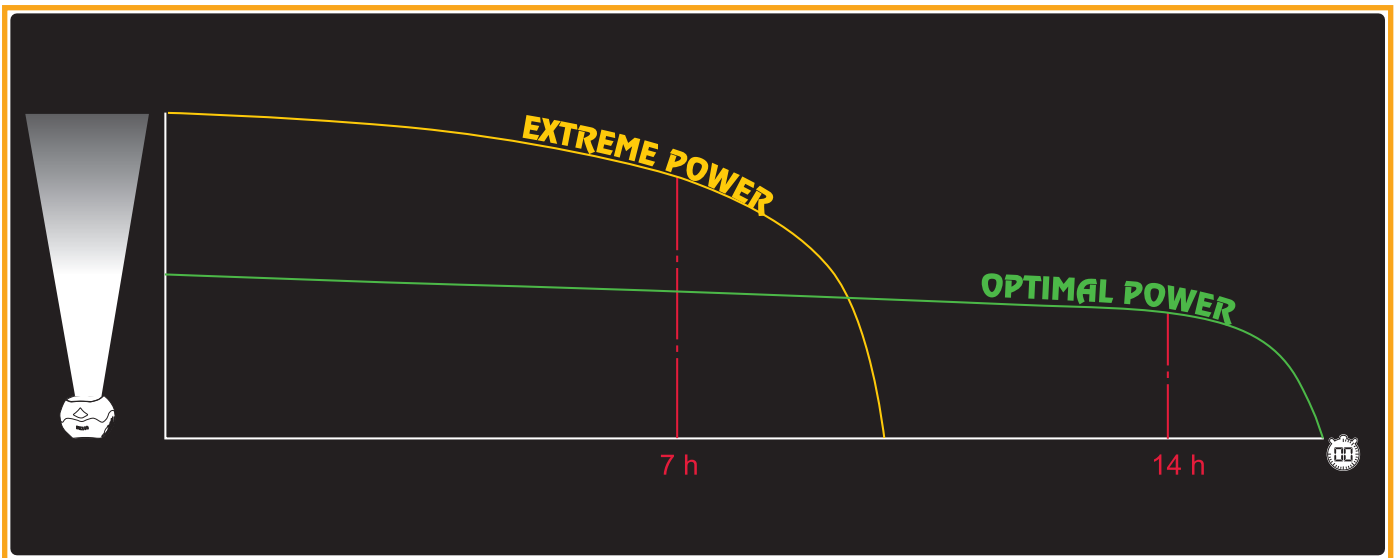
You can mount this light wherever you want!

Either directly on your head thanks to the adjustable elastic strap on the BR 110 bracket, or on your helmet with

the adjustable Velcro strap on the BR 110 or on your bag braces with the orientable clip of the BR 120 or on your bike with the BR 26 - Ø 22.2-31.8mm – and BR 100 brackets.

The universal strong rubber strap of the BR 100 bracket with easy clamping system – Ø 10-45mm – can be fixed on the handlebar, the fork legs, the head tube, etc.





Handling

7 brackets are supplied for use on both the lamp and the battery pack – 2 BR 26 + 2 BR 100 + 1 BR 110 with elastic band + 1 Velcro strap + 1 BR 120 are included.

Easy as pie! You do not need any tool to mount them! The quick-release system with a trigger makes the mounting and removal of the lamp or the battery pack very quick and easy. The DX 100 is also adapted to the BR 22 and BR 28 offset-bracket available in the Spanninga range.

Security

Are you fed up with the lights switching on by accident in your bag? It's not a problem for the DX 100: you need to push the security silicon button for 2 seconds to put the DX100 on.

Water is not an issue! Even in the rain, the DX 100 is fully water resistant and the PCB is varnished for protection against humidity. With its rubber coating and its robust glass, the DX 100 is also X-tra shock resistant.

Are you afraid of touching your light when it's burning? The DX 100 features an air flow design and a cooling system with an oversized aluminium radiator for heat protection and LEDs protection.

Fast and secured battery charging: the battery will be charged within 2h30. This high-quality NiMH battery pack is X-tremely resistant since it is able to keep 90% of its capacity between -10°C and 0°C! (versus 70% only for Li-Ion batteries)

With its charge-security ($\delta v / \delta t$), you can also leave it plugged in for ages without any risk.

And if you are on the move, you can also charge the battery pack in your car.

All the DX 100 equipment has the CE approval.

Accessories

- * NiMH battery pack
- * Charger with charge-protection
- * Car adaptor
- * Pocket bag
- * Extra wire
- * 2 x universal BR 26 quick-release brackets
- * 2 x universal BR 100 rubber brackets
- * 1 adjustable elastic strap for the BR 110
- * 1 Velcro strap for the BR 110
- * 1 x BR 120 clip



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Show agenda

R'BIKE 2008 • Lyon (FR) • n/a
IFMA 2008 • Cologne (DE) • Booth 7.1 C33
INTERBIKE 2008 • Las Vegas (USA) • Booth 1858
BIKE MOTION 2008 • Utrecht (NL) • Booth 11.G072
NORD FAIR 2008 • Vejle (DK) • Booth 46
EXPO VELO 2008 • Brussels (BE) • n/a

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