

COB / LED Lights

...for more light experiences in your life!

With the **LATEST**
super-bright
COB-LED technology

Reach beyond your shadow with the new LED range

The new extensive range is delivered mainly in sales displays and offers the customer the possibility to test the lights with regard to value and feel directly on site. In order to avoid premature wear all lights are equipped with a battery fuse. The new kwb categorisation helps in the search for the right model according to its application features from the diversity of different portable LED light sources. Further new features are:



- Extra bright **Chip On Board Technology** (COB-LED technology)
- Magnets with scratching stop (Anti Scratch)
- kwb TAC-Lights, flashlights

The 3 categories:

Work lights

The category of the work lights comprises in particular the models guaranteeing a large-scale, uniform and extremely bright illumination without having to be held with your own hands. The kwb work lights have at least always two different holding functions for diverse surfaces and are thus predestined for use in the workshop or in the garage.



Flashlights

Obviously, all kwb models are also suited for outdoor use, in this category there are special lights, which, due to their functions, shape and quality, are ideal companions for all outdoor activities.



Household lights

The models in the third categories are excellently suited for use in the household, but also in emergency situations.



Progressive technology and sensible extensions

The LED range of lights is guaranteed to be always state-of-the-art and a step ahead of the market. Nowadays, the definition "LED light" does not suffice - the use of the different light diodes must be adapted to the requirements of the respective light. Furthermore, kwb managed to increase the usefulness of the respective lights by means of a seemingly simple features. The technological highlights and further developments at a glance:

The comparison

LED-Technology



The classic lighting characteristics of the standard LED technology is characterised by the fact that there is always a clear spot as well as a poorly illuminated section.

COB-LED-Technology



This is no longer the case with the new COB-LED technology, there is no spot formation and poorly illuminated sections are a thing of the past. Therefore, this technology is ideally suited for large-scale and uniform illumination.

COB-LED Technology



Die The latest technology of the light diode placement has arrived in the kwb range of products. In the COB-LED technology (Chip on Board Technology), the individual diodes are bundled seamlessly to form a large lighting module. Like this we achieve a lighting surface up to 10 times bigger with the same LED size. The result: an unparalleled uniform light yield in the close and medium range.

SMD-LED from Taiwan



The TAC-Light Series exclusively uses high-performance SMDs (surface-mount devices) from the Taiwanese manufacturer EPISTAR. This particular design offers lower electrical terminal resistances and better heat dissipation, clearly more light output with the same energy requirements compared to standard LEDs.

Anti Scratch Protection







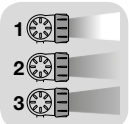
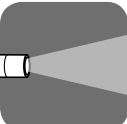

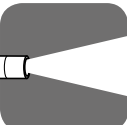

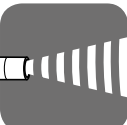

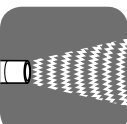
All models with magnetic holding function equipped with a scratch protection with immediate effect. Now you can attach any light to highly finished metal surfaces (e.g. car paints) - even if the light is moved by mistake, the risk of scratches is reduced to a minimum.

Standardisation









As one of the pioneers among the German brands for mobile LED light technology, kwb has tested almost all lights in the category outdoor & flashlights as well as the work light models according to the American flashlight standard ANSI-FL1.

Explanation of pictograms

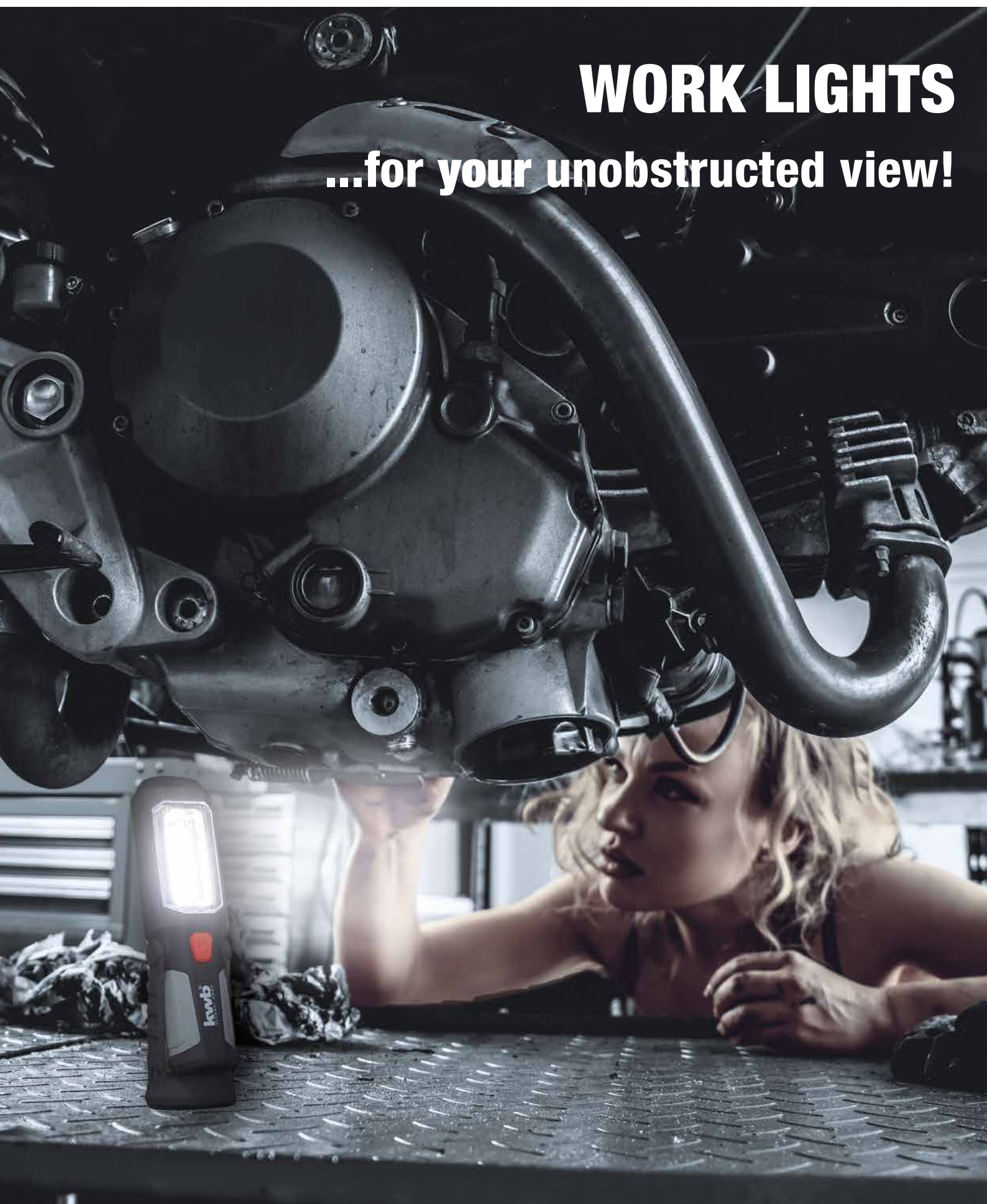
	LED	LED		COB	COB-Light
	SMD	SMD - surface-mount device			Morse Light
		Levels of brightness			Low Light
	CE	CE mark			Power Light
		magnetic			Blink Light
	NO SCRATCH	No Scratch - scratch protection			Stroboscope Light

ANSI FL-1 Standard

	Beam Distance	Describes the distance at which 0.25 LUX can still be measured in the light beam of the (focused) flashlight. This value can be compared with the light of the full moon on the ground when the night sky is clear.		Impact Resistance	Details in metres of the result of the drop test (carried out 6 times, concrete surface) where the flashlight remains fully functional and visually intact.
	Peak Beam Intensity = Maximum luminous intensity	Measurement of the maximum luminous intensity in the centre of the light beam and thus particularly relevant in the rating of classic flashlights with selective illumination. The value is indicated in candela. It can be compared to the light of a candle – we talk about 1 candela here.		Water Resistance	This logo equates to the protection class test IPX4 and is thus protected from water splashes. The light is exposed to a jet of water from all sides for at least 5 minutes, and it must work both immediately after the test and also 30 minutes after without any limitations.
	light performance / luminous flux / total amount of light = Lumen Logo	The lumen output refers to the measured, total light performance of the flashlight. Here the luminous flux in the entire illumination field is measured and rated.		Run Time	Classic test of the run time of a battery charge. The measurement is effected from switching on the light until the time when the light output has reduced itself to only 10% of the starting value and the user replaces the batteries.

WORK LIGHTS

...for your unobstructed view!



BEST OF



COB-LED work light, flex

PROMO



The jack of all trades among the work lights comes with two light functions. COB work light as well as a super-bright flashlight function. The impact-proof ABS housing is finished with a soft touch surface. The 180° rotating handle with two magnets and the folding guarantee its continuously perfect attachment and thus illumination of the work area. Energy supply by means of 3x 1.5 Volt AA batteries (included in scope of delivery).



Art.-No.	Description			Barcode
948595	COB-LED work light, flex		Z12	4 009319 485955

COB-LED work light, round

PROMO

The new COB-LED work light in a round design - the smallest version of the latest edition of the classic work lights. Thanks to the integrated and folding hook, and with the help of the magnet attached on the back, the work light can be attached to different locations. Thanks to the high-quality and non-slip soft touch housing we can recommend the hand-held use without exception. Energy supply by means of 3x 1.5 Volt AAA batteries (included in scope of delivery).

Art.-No.	Description			Barcode
948412	COB-LED work light, round		Z9	4 009319 484125



COB-LED work light, oval

PROMO

The new COB-LED work light in oval design - the medium version of the latest edition of the classic work lights. Thanks to the integrated and folding hook, and with the help of the magnet attached on the back, the work light can be attached to different locations. Thanks to the high-quality and non-slip soft touch housing, we can recommend the hand-held use without exception. Furthermore, this model has a flashlight function with three LEDs at the front side. Energy supply by means of 3x 1,5 Volt AAA batteries (included in scope of delivery).

Art.-No.	Description			Barcode
948422	COB-LED work light, oval		Z9	4 009319 484221



COB-LED work light, long

PROMO

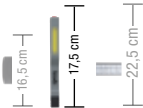
The new COB-LED work light long - the new edition of the classic among the work lights. Thanks to the integrated and folding hook, and with the help of the magnet attached on the back, the work light can be attached to different locations. Thanks to the high-quality and non-slip soft touch housing, we can recommend the hand-held use without exception. Energy supply by means of 3x 1.5 Volt AAA batteries (included in scope of delivery).

Art.-No.	Description			Barcode
948432	COB-LED work light, long		Z12	4 009319 484323

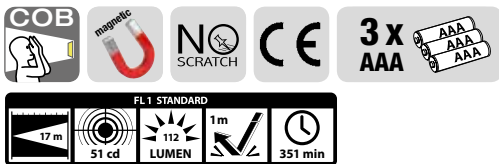


COB-LED pen light with magnet

PROMO



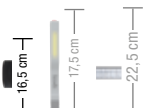
The COB-LED pen light provides a unique light output in an extremely handy format. The rotating, magnetic clip makes the attachment of the pen light to work clothing and metallic surfaces ideal. The pen light feels at home in your briefcase and in the workshop car, and we are sure that it will find its suitable use, as it can be used universally. Energy supply by means of 3x 1.5 Volt AAA batteries.



Art.-No.	Description			Barcode
948630	COB-LED pen light with magnet		Z15	4 009319 486303

COB-LED tubular light

PROMO



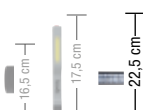
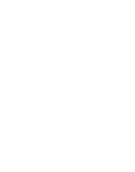
The work light and flashlight in the handy tubular design permit the uniform illumination of large areas with the COB-LED attached on the side, as well as the classic spot illumination thanks to the flashlight function at the top of the light. The housing has a ribbed surface with soft touch finish. This work light is suited for stationary use thanks to the incorporated magnet at the bottom of the light and the shirt clip. Energy supply by means of 3x 1.5 Volt AAA batteries (included in scope of delivery).



Art.-No.	Description			Barcode
948695	COB-LED tubular light		Z16	4 009319 486952

LED Arbeitsleuchte 36+1 LED

PROMO



This LED work light in tubular shape with soft touch surface lies well in any hand thanks to the elegant, long and oval housing and the nubby handle area. 36 economical LEDs on the longitudinal side ensure large-scale illumination. For detailed illumination, the powerful flashlight function at the light's head ensures excellently focused lighting conditions. The two functions are switched in sequence. Furthermore, the work lights have a magnet and can be attached to metallic surfaces. Energy supply by means of 4x 1.5 Volt AAA batteries (included in the scope of delivery).



Art.-No.	Description			Barcode
948690	LED work light 36+1 LED		Z16	4 009319 486907

LED work and safety light

PROMO

The 4-function LED work light with additional safety function is the perfect companion in any motor vehicle. Thanks to the integrated and folding hook, and with the help of the magnet attached on the back, the work light can be attached to different locations, and directly provides bright light thanks to work light function. If needed, the light can be set to a red warning light (continuous red / flashing) using the sequential switching. Thanks to the high-quality and non-slip soft touch housing, we can recommend the hand-held use without exception. Energy supply by means of 3x 1.5 Volt AAA batteries (included in scope of delivery).



Art.-No.	Description			Barcode
948461	LED work and safety light		Z9	4 009319 484613



Telescopic magnet with flexible LED head

PROMO

The LED flashlight with infinite telescopic adjustment up to 57 cm with a 360° rotating and an extra strong magnetic luminaire head. Thanks to the flexible luminaire head, light can be brought even to hard to reach spots and small, loose metallic objects up to max. 2 kg can be picked up. The aluminium housing and the ribbed handle surface make this classic inspection tool fit ideally in your hand, it comes with a handy belt clip and offers a strong magnet on the underside for attachment to metallic surfaces. The octagon luminaire head counteracts the rolling away of the telescopic flashlight. Energy supply by means of 4x 1.5 Volt LR44 batteries (included in the scope of delivery).



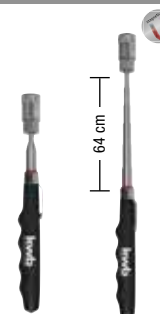
Art.-No.	Description			Barcode
954090	Telescopic magnet with flexible LED head		Z10	4 009319 540906



Telescopic magnet with LED

PROMO

Super-bright, white LED telescopic magnet light brings light even to the darkest corners. Metal parts with a weight of up to 3.2 kg can be picked up from hard to reach corners and nooks using the strong magnet integrated in the lamp head. The telescopic magnet with the rubberised moulded handle lies perfectly in any hand. Pushed together the telescopic magnet with the handy clip fits into any shirt pocket. Energy supply by means of 3x 1.5 Volt LR 44 (included in the scope of delivery).



Art.-No.	Description			Barcode
953590	Telescopic magnet with LED		Z20	4 009319 535902



LED working spectacles

PROMO



The LED working spectacles guarantee always free hands when working in dark or insufficiently illuminated spots. The two flexible LEDs that can be switched on separately, are attached at the sides outside of the field of vision. The working spectacles meet the requirements of EN 166:2001 standard for protective spectacles and can be ideally adjusted for any user thanks to the quadruple size adjustment at the temples. The comfortable nose bridge adds extra comfort and provides a good fit of the spectacles. Energy supply by means of 4x 1.5 Volt CR2032 batteries (included in the scope of delivery)



Art.-No.	Description			Barcode
947690	LED working spectacles		Z8	

Workshop trolley and the 5 kwb tool cases

...the proper solution for any requirement.

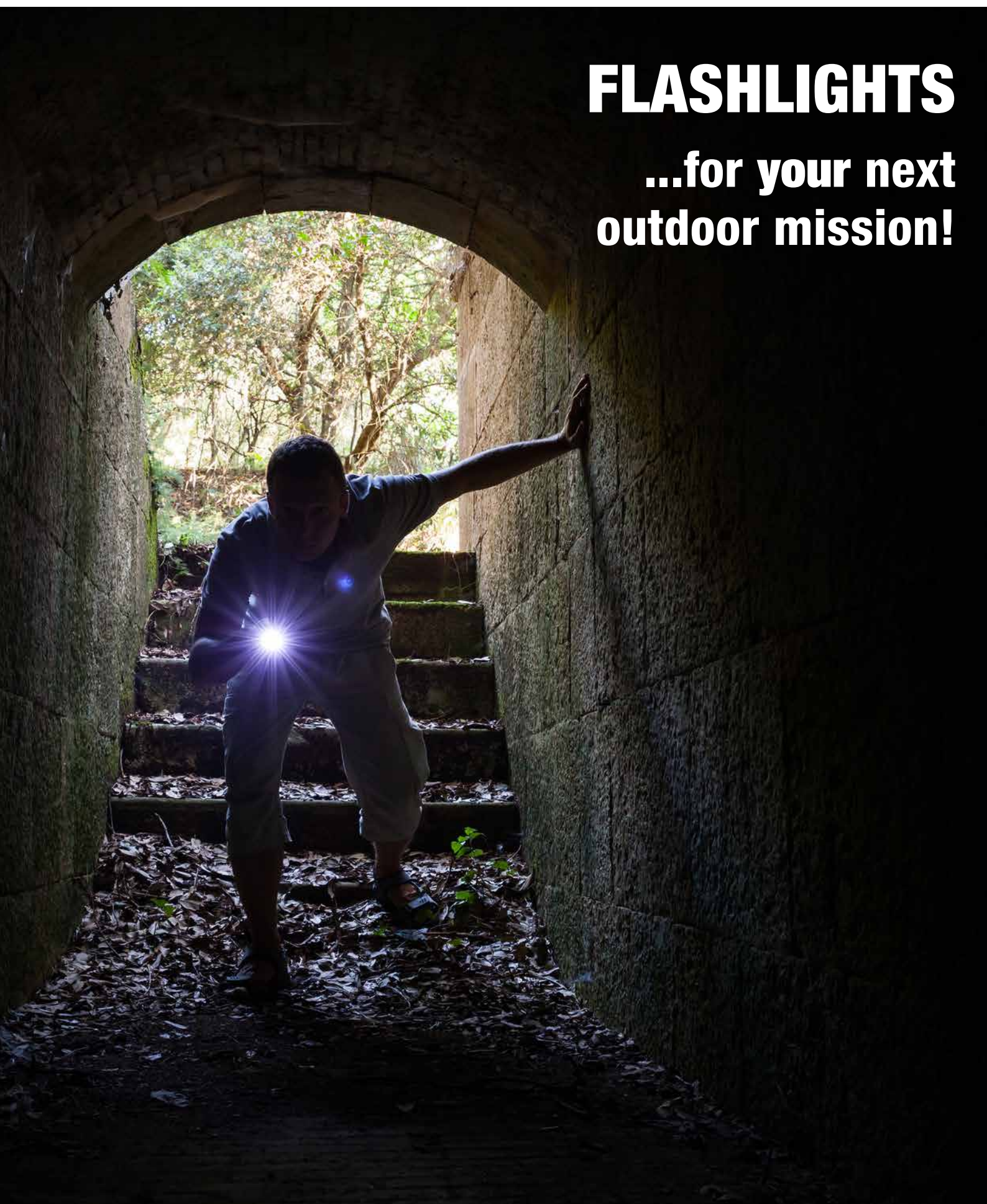


Tool case, 129 pc.	Art.No. 370780
Tool case, 99 pc.	Art.No. 370760
Tool case, 51 pc.	Art.No. 370740
Tool case, 65 pc.	Art.No. 370730
Tool case, 40 pc.	Art.No. 370720
Workshop trolley incl. 129-part kwb tool set	Art.No. 375400



FLASHLIGHTS

**...for your next
outdoor mission!**



BEST OF

"EPISTAR"
3 Watt SMD with
136 m luminous
range

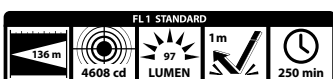


LED TAC Light, 19 cm, 3 Watt

PROMO



The flagship in the flashlight range with original Taiwanese "EPISTAR" 3 Watt LED. A 3 mm impact-proof housing ensures the right accommodation of technology and thanks to the wrist strap you will no longer lose the flashlight. The largest model in the flashlight range impresses with compactness and the large-scale illumination at close and medium range, and also a focused spot further away. This is guaranteed by the optimally ground and break-proof lens. Energy supply by means of 6x 1.5 Volt AA batteries (included in scope of delivery).



Art.-No.	Description			Barcode
948140	LED TAC Light, 19 cm, 3 Watt		Z15	4 009319 481407

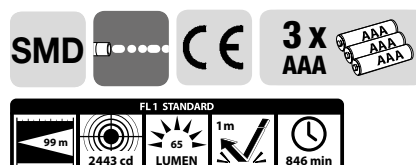
LED TAC Light, 14 cm, 1 Watt

PROMO

The compact representative of the flashlights with original Taiwanese "EPISTAR" 1 Watt LED. A 2 mm impact-proof ABS housing ensures the right accommodation of technology and thanks to the wrist strap you will no longer lose the flashlight. This 14 cm long and handy 3.5 cm wide flashlight lies ideally in the hand and impresses with performance, large-scale illumination at close and medium range and also with a focused spot further away. This is guaranteed by the optimally ground and break-proof lens. Energy supply by means of 3x 1.5 Volt AAA batteries (included in scope of delivery).



Art.-No.	Description			Barcode
948130	LED TAC Light, 14 cm, 1 Watt		Z18	4 009319 481308



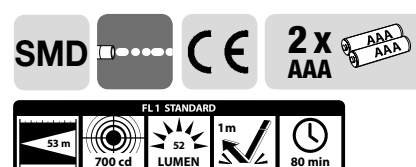
LED TAC Light, 9 cm, 1 Watt

PROMO

The handy variant of the flashlight with original Taiwanese "EPISTAR" 1 Watt LED. A 2 mm impact-proof ABS housing ensures the right accommodation of technology and thanks to the wrist strap you will no longer lose the flashlight. This 9 cm long and only 2.5 cm wide flashlight is ideal for on the go and can be stored even in the smallest of bags, whilst delivering an enormous power for its size when needed. The light effect is characterised both by a large-scale illumination at close and medium range and a focused spot further away. This feature makes the flashlight a real all-rounder. This is guaranteed by the optimally ground and break-proof lens. Energy supply by means of 2x 1.5 Volt AAA batteries (included in scope of delivery).



Art.-No.	Description			Barcode
948120	LED TAC Light, 9 cm, 1 Watt		Z24	4 009319 481209



LED light TACTICAL ZOOM

PROMO

The entry-level flashlight with a tactical appearance and a focus function, which can be adjusted via a rotating ring, guarantees ideal illumination in any situation. The economical LED flashlight with wrist strap. Energy supply by means of 3x 1.5 Volt AAA batteries (included in scope of delivery).



Art.-No.	Description			Barcode
948190	LED light TACTICAL ZOOM		Z18	4 009319 481902



HEADLIGHTS

...lets you see what you have caught
with your fishing rod!

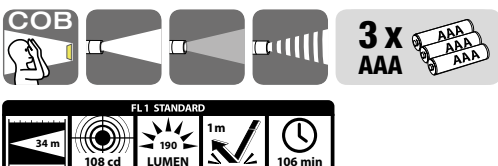


COB-LED headlight

PROMO



The COB variant of the classic headlamp impresses with its extreme illumination at close, medium and far range and its comfortable wear. The two adjustable stretch bands permit precise attachment to the helmet or head and it has a high-quality soft touch ABS housing. The housing can be inclined in 5 steps separately from the carrier plate. The three different lighting modes can be switched in sequence via the rotary switch. Energy supply by means of 3x 1,5 Volt AAA batteries (included in the scope of delivery).



Art.-No.	Description			Barcode
947799	COB-LED headlight		Z4	4 009319 477998

LED headlight with 7 LEDs

PROMO

The LED headlight creates the required light by means of 7 traditional, extremely energy-saving LEDs. Ideal when working at close or medium range. The two adjustable stretch bands provide a snug fit on the head or helmet. It has an adjustable angle of inclination, as well as 4 different lighting modes, which can be adjusted in sequence using the push-button. Energy supply by means of 3x 1.5 Volt AAA batteries (included in the scope of delivery).



Art.-No.	Description			Barcode
947790	LED headlight with 7 LEDs		Z6	4 009319 477905



LED camping lantern, 9 LEDs

PROMO

Camping light in lantern design, has 15 super efficient LEDs, which guarantee optimal illumination of the 360° close range thanks to convex reflector. It has an On/Off switch, a dimmer switch for continuous brightness control, a handle as well as a compass on the top part of the light, yet stable plastic housing. Energy supply by means of 3x 1.5 Volt AA batteries (included in scope of delivery).



Art.-No.	Description			Barcode
948090	LED camping lantern, 9 LEDs		Z6	4 009319 480905



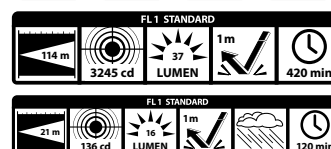
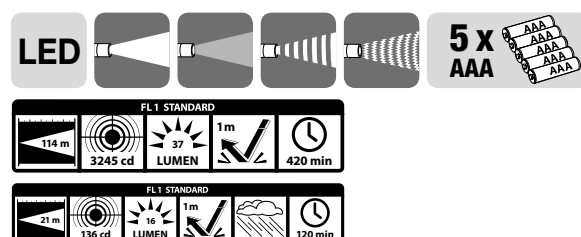
LED bicycle light set, 3 pieces

PROMO

Universally usable, three-piece bicycle light set offers the possibility, to adjust the front light to your own requirements and the respective light conditions thanks to the different focal levels. The front light can also be used as a normal flashlight. The ultra-bright LED rear light, which can be clipped and which is also equipped with a bicycle clamp, can be attached to different surfaces, and guarantees the safety and visibility not only on the bicycle, but also during other activities on the road when it's dark. Both lights are rain-proof. Energy supply of front light with 3x 1.5 Volt AAA batteries, rear light with 2x 1.5 Volt AAA batteries (included in scope of delivery).

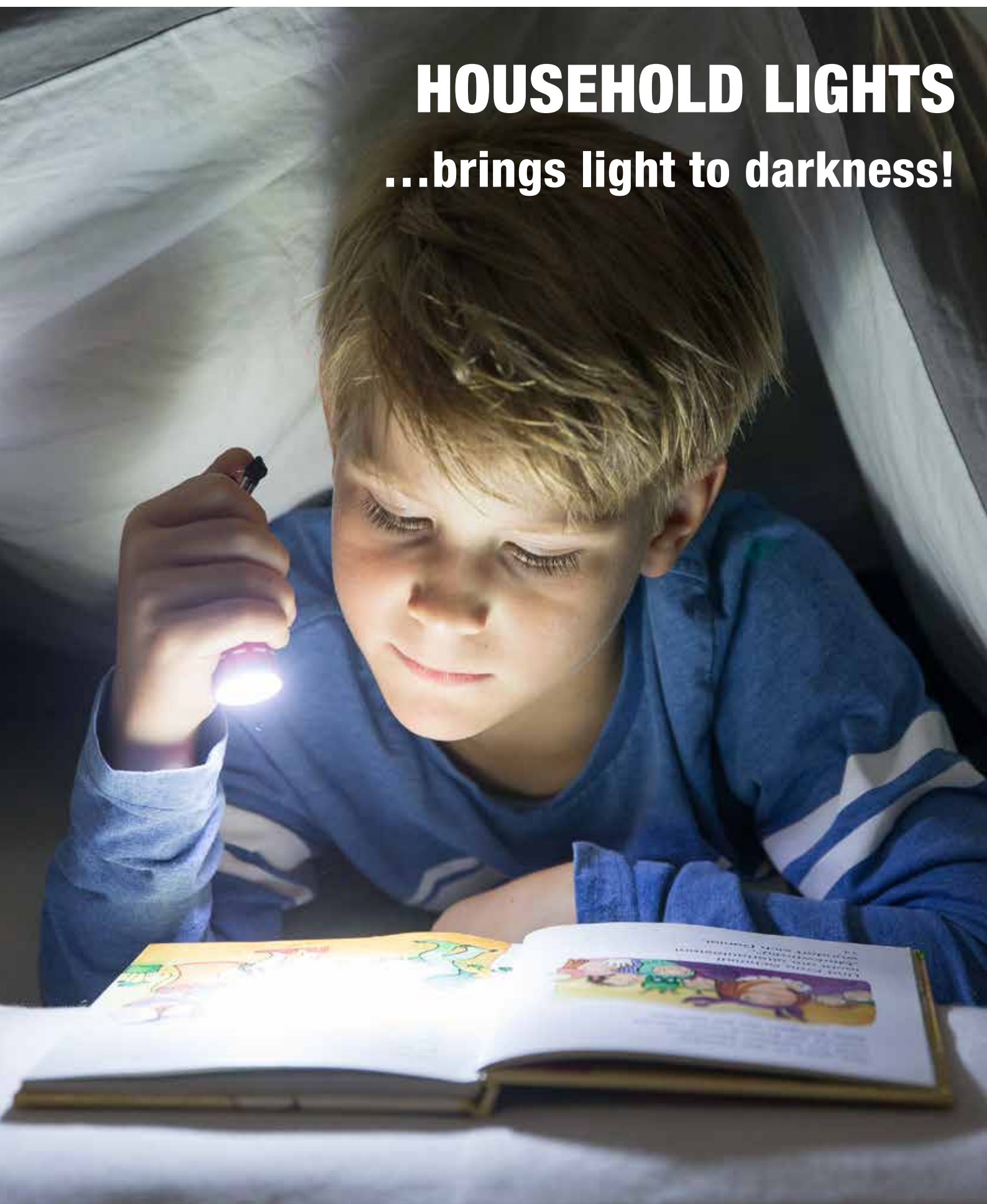


Art.-No.	Description			Barcode
947990	LED bicycle light set, 3 pieces		6	4 009319 479909



HOUSEHOLD LIGHTS

...brings light to darkness!



BEST OF

Low weight, high-grade aircraft aluminium, anodised for scratch-resistance, protected from water splashes

Intuitive rotary switch



Super-bright LED

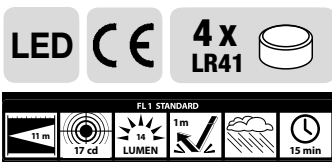
One-hand snap closure

MINI LED keychain set, 2 pieces.

PROMO



The new MINI LED keychains impress with an unprecedented luminosity and an elegant appearance in the anodised aluminium housing. The double set is available in red and black. The high-quality snap hook with fixed eyelet ensures ideal handling at the bunch of keys. Energy supply by means of 2x 1.5 Volt LR41 batteries (included in scope of delivery).



Art.-No.	Description			Barcode
948395	MINI LED keychain set, 2 pieces.		Z12	4 009319 483951

MINI flashlight with 9 LEDs

PROMO

The ideal flashlight for the household, emergency situations, children and all other conceivable situations. It is small, handy and an eye-catcher thanks to the anodised aluminium, which helps it to be easily found again wherever you store it. The MINI flashlights are available in different colours. A long operating time is guaranteed by the 9 economical LEDs. Energy supply by means of 3 x 1.5 Volt AAA batteries (included in the scope of delivery).



Art.-No.	Description			Barcode
948291	MINI flashlight with 9 LEDs		Z16	4 0 0 9 3 1 9 4 8 2 9 1 6



LED spots, self-adhesive, 3 pieces

PROMO

This 3-piece set permits the attachment of three LED spotlights with 3 super efficient LEDs each at any random spot (e.g. glass, wood, leather, plastic, metal and much more) using the supplied adhesive strips at the underside of the spotlight. No tools are required. The operation of the spotlights is easy and they can be switched on and off by pressing lightly, after which they provide maximum illumination. Energy supply by means of 9x 1.5 Volt AAA batteries (included in the scope of delivery).



Art.-No.	Description			Barcode
948451	LED spots, self-adhesive, 3 pieces		Z8	4 0 0 9 3 1 9 4 8 4 5 1 4



Work lights with COB (Chip On Board) -LED technology



COB-LED technology

Bundling of individual diodes to a large light module.

Uniform light output
in near and medium range.

**Up to 10x larger
illumination area
with the same
LED size.**



LED technology

In the traditional LED technology many small light diodes are soldered separately on a circuit board.

The light is bundled with lenses.



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