PRODUCT BRADUCT

: SAID EL SOUEIDI, DIVERS LEA

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<u>LEDN/\UTILUS</u>



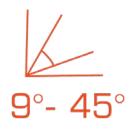
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LED NAUTILUS KEY FEATURES



This innovative dive light utilizes the latest COB Cree CXB chip and Fresnel lens that allows providing impressive 4000 lumens of light and smoothly adjust the light beam to as low as 9 degrees and as high as 45 degrees.

LED NAUTILUS features three light levels BOOST, OPERATIONAL and BACK-UP to preserve battery and adjust brightness levels to eliminate backscatter in murky water.





Due to the modular construction, you have the possibility to configure your umbilical light set regarding your needs.

All umbilical lights, cables, batteries and heating batteries are equipped with the same chinch type connector that we haven't changed for years. So when one of the parts wears out or you would simply want to upgrade it there are no obstacles to doing so.

Modularity affects also the convenience of use and safety. For example, you can change the broken cable for a new one on the diving spot without the need for sending it to the service centre.

"Take me home" is a backup mode to which our umbilical lights switch when the battery is drained. Light will continue operating for at least 1 hr or more depending on used accumulator. Light will only work in "take me home" mode until the battery is recharged again.





 $150 \, \text{m}$

LED NAUTILUS is built from hard anodised marine aluminium making it resistant to corrosion, knocks and scratches. Switch knobs are made of lightweight but very tough and corrosion resistant polymer (Delrin®). LED chip is protected by 5 mm highly fatigue resistant tempered glass.

Supreme quality materials and craftsmanship used to produce LED NAUTILUS is tested and can safely operate up to 150 m depth.

LED NAUTILUS KITS



CHOOSE YOUR BATTERY





ACCU TYPE 10



ACCU TYPE 14



ACCU TYPE 24



ACCU TYPE 24 SPECIAL

ADDITIONAL ACCESSORIES:





GOODMAN HANDLE GOODMAN HANDLE SOFT STANDARD



GOODMAN HANDLE MODULAR WITH SCOOTER LOOP







BUCKLE





UHD SIDEMOUNT CABLE

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LED NAUTILUS THERMO KITS

 LED NAUTILUS UMBILICAL HEADLIGHT CHOSEN ACCU THERMO HD CABLE CHARGER WEBBING LOOP MOUNT WATERPROOF HD CASE SILICONE GREASE + 2 SPARE O-RING MANUALS AND CERTIFICATE SILICONE BAND BLIND PLUG FOR E/O CORD 	LED NAUTILUS		PLUG FOR CORD SPARE O-RINGS MANUALS CERTIFIC CERTIFIC UEBBING LOOP MOUNT CHARGER	
OPERATING TIME:	GLOVES 30W	VEST 55W	gloves + vest 85W	UNDERSUIT 110W
ACCU THERMO 14	2:40 hr	1:50 hr	1:20 hr	1:05 hr
	2:05 hr	1:30 hr	1:10 hr	1:00 hr
ACCU THERMO 24 / ACCU THERMO 24 SPECIAL	4:40 hr	3:10 hr	2:20 hr	1:55 hr
	3:35 hr	2:40 hr	2:00 hr	1:40 hr
■HEATING GEAR + LIGHT IN OPERATIONAL N ■HEATING GEAR + LIGHT IN BOOST MODE	IODE			

CHOOSE YOUR HEATING BATTERY



ACCU THERMO 14



ACCU THERMO 24



ACCU THERMO 24 SPECIAL

ADDITIONAL ACCESSORIES:





GOODMAN HANDLE GOODMAN HANDLE SOFT STANDARD



GOODMAN HANDLE MODULAR WITH SCOOTER LOOP



CLICK MOUNT





UHD CABLE

SIDEMOUNT BUCKLE

LED SOLARIS BENT



ALL PICTURES SHOWN HERE FOR ILLUSTRATION PURPOSE ONLY. ACTUAL PRODUCT MAY VARY DUE TO PRODUCT ENHANCEMEN







LED SOLARIS NEXT GEN KEY FEATURES



LED SOLARIS NEXT GEN is a universal primary dive light that is built to withstand the harshest underwater environments while reliably pumping out up to 4500 lumens of light that narrows to 6 degrees spot surrounded by a bright corona around the central beam.

LED NAUTILUS features three light levels BOOST, OPERATIONAL and BACK-UP to preserve battery and adjust brightness levels to eliminate backscatter in murky water.





Due to the modular construction, you have the possibility to configure your umbilical light set regarding your needs.

All umbilical lights, cables, batteries and heating batteries are equipped with the same chinch type connector that we haven't changed for years. So when one of the parts wears out or you would simply want to upgrade it there are no obstacles to doing so.

Modularity affects also the convenience of use and safety. For example, you can change the broken cable for a new one on the diving spot without the need for sending it to the service centre.

"Take me home" is a backup mode to which our umbilical lights switch when the battery is drained. Light will continue operating for at least 1 hr or more depending on used accumulator. Light will only work in "take me home" mode until the battery is recharged again.





LED SOLARIS NEXT GEN is built from hard anodised marine aluminium making it resistant to corrosion, knocks and scratches. Switch knobs are made of lightweight but very tough and corrosion resistant polymer (Delrin®).LED chip is protected by 6 mm highly fatigue resistant tempered glass.

Supreme quality materials and craftsmanship used to produce LED SOLARIS NEXT GEN is tested and can safely operate up to 200 m depth.

LED SOLARIS NEXT GEN KITS



CHOOSE YOUR BATTERY





ACCU TYPE 10



ACCU TYPE 14



ACCU TYPE 24



ACCU TYPE 24 SPECIAL

ADDITIONAL ACCESSORIES:





GOODMAN HANDLE GOODMAN HANDLE SOFT STANDARD



GOODMAN HANDLE MODULAR WITH SCOOTER LOOP









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L	

UHD SIDEMOUNT CABLE

LED SOLARIS NEXT GEN THERMO KITS

Kit contains: - Led Solaris Next Gen Umbilical Headlight - Chosen Accu Thermo - Hd Cable - Charger - Webbing Loop Mount - Waterproof Hd Case - Silicone Grease + 2 Spare O-Rin - Manuals and Certificate - Silicone Band - Blind Plug For E/O Cord	LED SOLARIS NG LED SOLARIS NG SILICONE GREASE		PLUG FOR CORD SPARE O-RINGS MANUAL CERTIFIE CERTIFIE WEBBING LOOP MOUNT CHARGEN	
OPERATING TIME:	gloves 30W	VEST 55W	GLOVES + VEST 85W	UNDERSUIT 110W
ACCU THERMO 14	2:25 hr	1:45 hr	1:15 hr	1:00 hr
	1:50 hr	1:20 hr	1:05 hr	0:55 hr
ACCU THERMO 24 / Accu Thermo 24 special	4:15 hr	3:00 hr	2:10 hr	1:50 hr
	3:10 hr	2:25 hr	1:50 hr	1:35 hr
 HEATING GEAR + LIGHT IN OPERATIONAL N HEATING GEAR + LIGHT IN BOOST MODE 	MODE			

CHOOSE YOUR HEATING BATTERY



ACCU THERMO 14



ACCU THERMO 24



ACCU THERMO 24 SPECIAL

ADDITIONAL ACCESSORIES:





GOODMAN HANDLE GOODMAN HANDLE SOFT STANDARD



GOODMAN HANDLE MODULAR WITH SCOOTER LOOP



CLICK MOUNT



BUCKLE



UHD CABLE

LED \$PELEO™



ALL PICTURES SHOWN HERE FOR ILLUSTRATION PURPOSE ONLY. ACTUAL PRODUCT MAY VARY DUE TO PRODUCT ENHANCEMEN







LED SPELEO MARK II KEY FEATURES



PERFECT BALANCE

LED SPELEO MARK II was designed to provide a perfect balance between power and operating time. To ensure the best communication properties light is focused into a tight 6 degrees beam complemented with a corona giving the diver a better awareness of the surroundings.

LED SPELEO MARK II features three light levels BOOST, OPERATIONAL and BACK-UP to preserve battery and adjust brightness levels to eliminate backscatter in murky water.





Due to the modular construction, you have the possibility to configure your umbilical light set regarding your needs.

All umbilical lights, cables, batteries and heating batteries are equipped with the same chinch type connector that we haven't changed for years. So when one of the parts wears out or you would simply want to upgrade it there are no obstacles to doing so.

Modularity affects also the convenience of use and safety. For example, you can change the broken cable for a new one on the diving spot without the need for sending it to the service centre.

"Take me home" is a backup mode to which our umbilical lights switch when the battery is drained. Light will continue operating for at least 1 hr or more depending on used accumulator. Light will only work in "take me home" mode until the battery is recharged again.





LED SPELEO MARK II is built from hard anodised marine aluminium making it resistant to corrosion, knocks and scratches. Switch knobs are made of lightweight but very tough and corrosion resistant polymer (Delrin®). LED chip is protected by 6 mm highly fatigue resistant tempered glass.

Supreme quality materials and craftsmanship used to produce LED SPELEO MARK II is tested and can safely operate up to 200 m depth.

LED SPELEO MARK II KITS



CHOOSE YOUR BATTERY





ACCU TYPE 10



ACCU TYPE 14



ACCU TYPE 24



ACCU TYPE 24 SPECIAL

ADDITIONAL ACCESSORIES:





GOODMAN HANDLE GOODMAN HANDLE SOFT STANDARD



GOODMAN HANDLE MODULAR WITH SCOOTER LOOP







BUCKLE



UHD CABLE





UHD SIDEMOUNT CABLE



LED SPELEO MARK II THERMO KITS

 KIT CONTAINS: LED SPELEO MARK II UMBILICAL HEADLIGHT CHOSEN ACCU THERMO HD CABLE CHARGER WEBBING LOOP MOUNT WATERPROOF HD CASE SILICONE GREASE + 2 SPARE O-RING MANUALS AND CERTIFICATE SILICONE BAND BLIND PLUG FOR E/O CORD 	LED SPELEO SS SS SILICONE GREASE		LUG FOR SPARE O-RINGS MANUALS CORD SPARE O-RINGS CERTIFIC CERTIFIC WEBBING LOOP MOUNT CHARGEF	
OPERATING TIME:	GLOVES 30W	VEST 55W	GLOVES + VEST 85W	UNDERSUIT 110W
ACCU THERMO 14	3:50 hr	2:20 hr	1:35 hr	1:15 hr
	2:15 hr	1:40 hr	1:15 hr	1:00 hr
ACCU THERMO 24 / Accu Thermo 24 special	6:35 hr	4:00 hr	2:40 hr	2:10 hr
	4:00 hr	2:50 hr	2:05 hr	1:45 hr
■HEATING GEAR + LIGHT IN OPERATIONAL M ■HEATING GEAR + LIGHT IN BOOST MODE	IODE			

CHOOSE YOUR HEATING BATTERY



ACCU THERMO 14



ACCU THERMO 24



ACCU THERMO 24 SPECIAL

ADDITIONAL ACCESSORIES:





GOODMAN HANDLE GOODMAN HANDLE SOFT STANDARD



GOODMAN HANDLE MODULAR WITH SCOOTER LOOP



ACCU CLICK MOUNT



SIDEMOUNT

BUCKLE



UHD CABLE







ALL PICTURES SHOWN HERE FOR ILLUSTRATION PURPOSE ONLY, ACTUAL PRODUCT MAY VARY DUE TO PRODUCT ENHANCEMEN











T-VALVE THERMO VALVES KEY FEATURES



T-VALVE can rotate a total of 360 degrees allowing for a wide range of hose configurations – thus, it truly doesn't matter in this case if one rig routes the drysuit hose under the right arm and another – under the left.

We also used a virtually unbreakable E/O cable. Thanks to its coaxial structure with an extended cross-section of a copper conductor, we achieved a lowered resistance, which increased the performance of the entire heating system.





Ammonite System T-VALVE has also a very low profile, streamline construction and features a domed form to limit the snag hazard regardless of where the valve is positioned.

Thanks to an extra-large recessed push-button it is effortless yet controlled to operate even with thick gloves or cold hands.

The thermo valve is robust due to its nickle plated brass and stainless steel parts. The carefully designed structure contributes to the reduction of the wear of the seals and general exceptional durability.





An extra-large recessed push-button is effortless yet controlled which makes it easy to operate even with thick gloves or cold hands. Moreover, a strong spring of the push-button ensures precise and progressive control of airflow and stopping the flow dead when the button is released.

A smooth backplate with a dozen or so ammonite-shaped holes gives protection from uncomfortable pressure loads on the chest and prevents cold air blasts through underclothing.









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ACCU THERMO KEY FEATURES



The ACCU THERMO battery has been designed to efficiently and reliably supply power to heated dive wear and umbilical dive lights operating at 12V. Simple and intuitive control, efficiency, and the highest possible durability distinguish ACCU THERMO from other devices on the market of modern diving equipment.

ACCU THERMO has two connection ports. They're located at the top part of the casing.

One port with a permanently installed E / O cord (cords with wet connector) is to be used only for the heated dive wear.





The LED indicator is located on the top cover of the battery and it informs the user about the battery charge level and the operating status of the entire system.

The three-stage power control (0/70% / 100%.) ensures the effective management of energy and allows for extended battery life.

The power is regulated by a large magnetic switch. It has a distinct step, noticeable even with thick gloves on.





It is an electronic circuit that protects the E / O cord (the metal pins in the E / O cord connector) against the harmful effects of electrolysis. When ACCU THERMO is not connected to any receiver (e.g., a heated vest), there is no voltage on the wet connector (E/O cord end). Thanks to the "intelligent E/O", voltage is cut off automatically also when the cord gets unplugged during operation. This way, anytime the unconnected E/O cord is in the water, an electrical

This way, anytime the unconnected E/O cord is in the water, an electrical current doesn't pass through its pins, making the system safe from damage.

ACCU THERMO KIT

KIT CONTAINS: - CHOSEN ACCU THERMO **BLIND PLUG FOR** SILICONE BAND SPARE O-RINGS E/O CORD - CHARGER MANUALS AND - WEBBING LOOP MOUNT CERTIFICATE - SILICONE GREASE - 2 SPARE O-RINGS -10 - MANUALS AND CERTIFICATE - SILICONE BAND 6 - BLIND PLUG FOR E/O CORD SILICONF CHOSEN WEBBING LOOP MOUNT GRFASE ACCU THERMO CHARGER HEATING BATTERY **OPERATING TIME: GLOVES 30W** VEST 55W GLOVES + VEST 85W **UNDERSUIT 110W** 7:00 hr 3:45 hr 2:25 hr 1:55 hr **ACCU THERMO 14** 4:50 hr 1:45 hr 2:40 hr 1:20 hr 12:00 hr 6:35 hr 4:15 hr 3:20 hr ACCU THERMO 24 / **ACCU THERMO 24 SPECIAL** 8:25 hr 4:35 hr 3:00 hr 2:20 hr

STAGE 1 STAGE 2

CHOOSE YOUR HEATING BATTERY



ACCU THERMO 14



ACCU THERMO 24



ACCU THERMO 24 SPECIAL

ADDITIONAL ACCESSORIES:





SIDEMOUNT BUCKLE



BATTERY PACKS

ACCU THERMO PROTECTIVE PLUG



BLIND PLUG FOR E/O CORD

















ACCU TYPE BATTERIES KEY FEATURES



The casing is a combination of aircraft-grade high strength aluminum coated with the hard-anodized seawater-corrosion-resistance finish and high strength and Delrin®, which is a lightweight but very tough and corrosion resistant polymer.

The canister is sealed with two o-rings and equipped with a safety valve.

In a standard version, the ACCU batteries are fitted with a webbing fixed loop fastening to the hip belt.

The batteries can be equipped with alternative fastening systems Sidemount Buckle or ACCU CLIC MOUNT (R).





Due to the modular construction, you have the possibility to configure your umbilical light set regarding your needs.

All umbilical lights, cables, batteries and heating batteries are equipped with the same chinch type connector that we haven't changed for years. So when one of the parts wears out or you would simply want to upgrade it there are no obstacles to doing so.

Modularity affects also the convenience of use and safety. For example, you can change the broken cable for a new one on the diving spot without the need for sending it to the service centre.

The transport of lithium batteries is subject to international regulation which can differ if the batteries are transported by air, sea or road.

All our lithium-ion (Li-Ion) batteries are compliant to UN Transportation Testing (UN/DOT 38.3) for Lithium Cells and Batteries and ensure the safety of your lithium batteries during shipping.





Each Ammonite System battery pack is equipped with a BMS Battery Management System ensuring its safe operation. The system was used because the pack uses Li-lon cells – they are very sensitive to overcharging, as well as to a deep level of discharge and to short circuit.

BMS provides additional benefits: extending the life of battery cells and maintaining a minimum safe level of charge.

ACCU TYPE BATTERIES OPERATING TIME

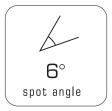
BOOST Operational Backup	LED NAUTILUS	LED SOLARIS NG	LED SPELEO MKII
ACCU TYPE 9	2:25 hr	1:55 hr	2:45 hr
	4:00 hr	<mark>3:10 hr</mark>	11:00hr
	12:00 hr	9:35 hr	39:25 hr
ACCU TYPE 10	2:35 hr	2:05 hr	3:00 hr
	4:20 hr	<mark>3:30 hr</mark>	11:55 hr
	13:00 hr	10:25 hr	42:40 hr
ACCU TYPE 14	3:40 hr	2:55 hr	4:10 hr
	<mark>6:05 hr</mark>	<mark>4:50 hr</mark>	16:45 hr
	18:15 hr	14:35 hr	59:55 hr
ACCU TYPE 24	6:20 hr	5:05 hr	7:15 hr
	10:30 hr	<mark>8:25 hr</mark>	29:05 hr
	31:30 hr	25:20 hr	103:50 hr
ACCU TYPE 24 SPECIAL	6:20 hr 10:30 hr 31:30 hr	5:05 hr 8:25 hr 25:20 hr	7:15 hr 29:05 hr 103:50 hr

LEDONE





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BACKUP TORCHES KEY FEATURES



LED ONE and LED ONE MINI's reliability, it's a key feature, stems from its simple but robust construction, materials used, build quality and minimal electronics.

Their bodies are machined from a solid piece of Delrin®, an exceptionally rigid and durable construction thermoplastic. The heads are made from hard anodised aluminium, which makes it resistant to abrasion and weather factors.

LED ONE and LED ONE Mini heads are equipped with three o-rings and with a very long thread.

Makes it almost impossible to accidentally flood them underwater by unscrewing it too much.

It guarantees leak tightness for immersion depths up to 200 m and protects the devices from accidental water ingress when switching on and off underwater.



200 m



This incredibly rugged and waterproof backup light are extremely easy to use. The user switches it on and off with just a simple quarter-turn of the head.

LED ONE and LED ONE MINI easily fits in a jacket pocket as well as they can be conveniently attached to the diving harness.

The exterior is now shaped for a firm and easier grip, additionally, it's much simpler to stow the lights with a bungee loop.

LED ONE and LED ONE Mini both delivers a tightly focused light beam of high visible cold white light.

They provides an optimal combination of high light intensity up to 400 $\rm Im$ and very long operating time of over 8/5 hours.

The back-up torches utilize a directly powered 5W LED chip with an outstanding lifetime, lasting more than 100 000 hours of constant burning.



BEAM

BACKUP TORCHES KITS













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COMPACT TORCHES KEY FEATURES



The LED STINGRAY MARK II is an all-around, compact and powerful dive light. It weighs only 137g (210g with battery) and is only 12cm long!

In LED STINGRAY MARK II, three high-performance next-generation CREE LEDs were used.

Due to this fact – and thanks to the electronics used in the device – the torch emits a maximum of 1300 lumens light output of cool white color temperature.

The triple integrated lens focuses the light into a 16° beam with a 30° regular corona





The STINGRAY MARK II LED torch is powered by a 21700 Li-lon battery that provides long runtime (about 2 hours) and is characterized by a long lifespan (up to 500 charging cycles with up to 75% capacity) as well as a high level of safety.

Due to the built-in PCM, the battery is protected against overcharging, over-discharge, and short-circuit.

The body of the torch is made of a light but very rigid and mechanically durable polymer (polyacetal, POM). This material is highly resistant to environmental factors (highly saline water, UV radiation, high temperature). The head is molded with precision from a single piece of aluminum. The aluminum alloy is resistant to corrosion in sea water.

LED STINGRAY MARK II is protected by 6mm of tempered glass resistant to scratches and mechanical damage.

LED STINGRAY MARK II is constructed in such a way that it ensures its safe usage at a depth of up to 200 m.





COMPACT TORCHES KITS





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VIDEO LIGHT KEY FEATURES



The body of the torch is made of a light but very rigid and mechanically durable polymer (polyacetal, POM). This material is highly resistant to environmental factors (highly saline water, UV radiation, high temperature).

The head is moulded with precision from a single piece of aluminium alloy. The alloy used is resistant to corrosion in seawater.

LED STINGRAY VIDEO MARK II is protected by 6mm of tempered glass resistant to scratches and mechanical damage.

In the LED STINGRAY VIDEO MARK II, three high-performance next-generation CREE LEDs are used.

Due to this - and thanks to the implemented electronics - the torch emits a maximum of 1300 lumens light output in a cool white colour temperature. The light is evenly emitted in a wide, over 120-degree beam angle.





The STINGRAY MARK II LED torch is powered by a 21700 Li-Ion battery that provides long runtime (about 2 hours) and is characterized by a long lifespan (up to 500 charging cycles with up to 75% capacity) as well as a high level of safety.

Due to the built-in PCM, the battery is protected against overcharging, over-discharge, and short-circuit.

Flexible arms are very light, durable and modular construction – you can easily extend them by adding the additional corals to extend their reach and make them suit your needs best.



VIDEO LIGHT KIT

KIT CONTAINS:

- 2 X LED STINGRAY VIDEO MARK II
- 2 X BATTERY LI-ION 21700 WITH USB TYPE C CHARGING PORT
- USB CHARGER
- USB TYPE-C CABLE
- 2 X FLEXIBLE ARMS WITH MOUNTING FOR LED STINGRAY VIDEO MARK II TORCHES
- TRAY FOR CAMERA AND ARMS
- CARRYING A PLASTIC BOX





ACCESSORIES



GOODMAN HANDLE MODULAR WITH SCOOTER LOOP



GOODMAN HANDLE STANDARD



Goodman Handle Soft



SIDEMOUNT BUCKLE



ACCU CLICK MOUNT



WEBBING LOOP



UHD CABLE



UHD SIDEMOUNT CABLE







HD CABLE

ACCESSORIES



SET OF 2 WATERPROOF TUCK&ROLL CARRYING BAGS



HD CASE



PROTECTIVE PLUG FOR ACCU THERMO



BLIND PLUG FOR E/O CORD



PROTECTIVE CAP FOR CABLE PLUG



PROTECTIVE PLUG FOR ACCU



ACCU TYPE / THERMO 14



BATTERY PACK FOR



BATTERY PACK FOR



ACCU TYPE / THERMO 24





SET OF SILICONE BANDS FOR LED STINGRAY / LED STINGRAY VIDEO



BATTERY PACK FOR ACCU TYPE 9



BATTERY PACK FOR ACCU TYPE 10



SET OF SILICONE BANDS LED SPELO MARK II



SET OF SILICONE BANDS FOR LED SOLARIS NG



SET OF SILICONE BANDS FOR LED ONE / LED ONE MINI





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