THE BRIGHT LIGHT
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DR. NORUM'S SURGICAL FIELD LIGHT

Consult IFU

CE UDI

Made in Germany

4 262352 170985

MD

Dr. Norum's Surgical Field Light
Full Scale 120.000 Lux

Powerful.
Reliable.
Proven.

Thank you for purchasing our product!

Our customer satisfaction has priority to us.

If you want to give us feedback of any sort

we are happy to receive your message:

afs@thebrightlight.net

With roots in the mountains of Norway—and developed through German and Austrian design and engineering—Dr. Norum's Surgical Field Light is a truly unique lighting solution for use in crisis and low-resource environments. These lamps are in continuous operation around the world, saving lives from the Gaza Strip to field hospitals in Zambia and across the Ukrainian frontlines.
We believe that by providing reliable light, we help save lives and bring hope where it is needed most.

Please read carefully before use:

Power Supply:
The device may be powered by external DC battery packs (24–36 V). External batteries must comply with UN38.3 and have integrated BMS protection. Use only approved converters for grid-powered operation. Do not charge batteries while the light is in use.

Batteries:
Please read carefully the attached IFU from AFTERTECH S. A. S. the batterie supplier.
IMPORTANT Do not charge batteries while the light is in use.

Battery Maintenance
Recharge each battery at least once every 3 months, even if unused. Store batteries between 10–25 °C in a dry location. Do not store batteries fully discharged. Do not leave batteries on the charger continuously for more than 24 hours. Replace battery if physical damage, swelling, or heat is detected.

Tripod:
Please read carefully the attached IFU from SIRUI USA LLC.
IMPORTANT make sure two legs of the tripod are under the operation table and the supplied pouches are allways attached onto the center triangle of the tripod.

Power Converter:
Please read carefully the attached IFU from MASCOT ELECTRONICS AS the power Converter supplier.

Anti-Seize High-Tech assembly paste by WEICON GmbH & Co.KG
Please read carefully the back of the product before applying any product.
Use gloves while applying the product.

Should you have any further **questions** or **concerns** regarding the functionality of the product, please do not hesitate to contact us: **afs@thebrightlight.net**

EN

Version number (IFU v1.0) / Date of issue (11/2025)

Manufacturer:
GUBBEMED
GUBBEMED INTERNATIONAL GmbH
Ruhlsdorfer Str. 49
16359 Biesenthal - GERMANY

UDI-DI: 4262352170985

Classification: Class I (MDR 2017/745)

Intended Purpose:
Illumination of surgical/examination field.

Electrical Rating:
DC Input: 24-36 V
Max current: 0.7 A
Polarity: (+) ●—o (–)
Power Consumption (per lamp): 17 W
Total System Consumption (4 lamps): 68 W
Degree of Protection: IP54 (IEC 60529)

Warnings:
- Use only as directed.
- Avoid liquid ingress.
- Check cable integrity before use.
- Ensure all screws are tightened and secured.
- Do not charge batteries while the light is in use.
- Ensure tripod is stable before operation.
- This device is intended for professional use only. Not for household use.
- Do not use in the presence of flammable anesthetic gases.
- If necessary, use the enclosed Anti-Seize High-Tech assembly paste for maintenance and when regularly disassembling parts.

Cleaning:
Clean with approved medical disinfectant wipes. Do not immerse.

Distributed by:
BULLDOZER FILM A.S.
Kruttverkveien 30B
1168 Oslo - NORWAY
thebrightlight.eu

Digital Manual
Assembly Video

EN

Technical Specifications + Instructions for Use (IFU)

Light Intensity	120.000 Lux (4 x TBL-30)
Colour Temperature	4000° Kelvin
Luminous Flux	1,500 Lm
Heat Dissipation	Δ +15°C
Weight	< 6 kg (+ casing, parts, batteries)
MTBF	Tested 50.000 hours
Power Source	4 Batteries (36V, 8000mAh 296Wh at 37V, V in max. 42V - 36V, | in max. 2A, | out max. 20A) 4 Power Converters (AC 90-240V 50/60Hz /DC 9-36V)
IP	IP 54
Modular Design	4 Lamps angled cross with Star mount
Operating Temp.	-19°C to +45°C, 0 > 88% humidity
Mounting Options	Molle system™, magnetic back, 1/4 inch camera mount
Case	Rugged Case IP67 150 x 500 x 210 mm
Color	Black (+ laser engravings)
Manufactured	EU + EEA (Germany, Austria, Norway)

Digital Manual
Assembly Video

Dr. Norum's Surgical Field Light Full Scale 120.000 Lux

Ensure you have a stable table available for easy assembly.
Open the Rugged Case and identify all components.

1. Remove and Prepare the STAR Unit
Take out the STAR unit with the four attached lamps.
The center lamp is movable—this is required for correct assembly.
Place the STAR unit on your table with the connector facing upward.

2. Set Up the Tripod
Remove the tripod from the case.
Open the leg hinge and extend the tripod to the desired height.
Loosen the pan handle and bring it into a forward operating position.
Remove the quick-release plate by loosening the side latch and pressing the red safety button while sliding the plate out.
Ensure tripod is placed on stable ground before mounting the STAR unit.

3. Attach the Quick-Release Plate to the STAR Unit
Position the plate on the marked mounting point on the back of the STAR connector. Tighten the screw firmly using a coin or screwdriver.
Ensure the plate is secure with no movement or wobble.

4. Mount the STAR Unit on the Tripod
Slide the plate (with STAR attached) back onto the tripod head. Move it to the forward-most position for balance. Secure it by tightening the screw on the right side next to the lever. For safety, attach the security clip to the knob screw of the tripod head.
Make sure all bolts on all four lamps of the STAR unit (marked in red) are fully tightened.

5. Attach the Power Pouches
Take the converter pouch (right side in the case) and place it on one of the inner triangle tripod legs, facing the operating table. Remove the two battery pouches (left side in the case). Place one on an outer leg of the tripod. Place the second on the remaining leg.

6. Connect Power
You may power the system in two ways:
A. Grid Power (recommended for continuous use). Use the AC/DC converters and connect them to the electrical grid.
B. Battery Power (for remote or mobile use). Use fully charged battery packs.
Attach all cables securely using the Velcro straps on the tripod. Tighten the cables near the tripod center to avoid accidental pulling.
Do not charge batteries while the light is in use.

7. Apply Sterile Covers
Use the enclosed sterile covers for: The pan handle, and the large hinge on the left side of the tripod head.

Storage Instructions
Disconnect batteries and converters before storage.
Return all parts to the Rugged Case in the same layout as delivered.
Place the battery pouches back on the left side and the converter pouch on the right. Tuck any loose cables neatly into their respective pouches after placing the pouches into their compartments.
Ensure the STAR unit, tripod, and accessories are seated correctly before closing the case.

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1 x Rugged Case



1 x STAR + four Lamps (TBL 30)



2 x Batterie pouches with each two batteries (total of four batteries)



4 x chargers for four batteries



1 x Converter pouch with four converters AC/DC



1 x Tripod (Sirui SH15)



1 x Anti-Seize High-Tech assembly paste

10 x Sterile covers for surgical light handle

1 x extra pouch, for batteries, converters, or a single TBL 30 lamp

2 x Instructions for use IFU manuel (EN & SE) + IFUs from different contracters