



**SLAM<sup>®</sup>**



**MICA<sup>®</sup>**



**SLAM FIXED<sup>®</sup>**

**LIGHTING THE WAY  
TO SAFE WORK.**







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ATEXOR Oy prepared this information herein in good faith but makes no representation as to its comprehensiveness or accuracy. ATEXOR Oy reserves the right to make changes to specifications and product descriptions at any time without notice. 03-2020.



# ATEXOR OY. YOUR -LIGHTING PARTNER.

The right lighting makes all the difference. Get it wrong, and service, maintenance or other tasks can easily be slowed or worse, become dangerous. This is especially true for Explosion Hazardous Areas and confined spaces.

For over 35 years, we at Atexor have worked hard to ensure customers get the best lighting solution possible. Be it a refinery, oil tank, drill ship, FPSO, petrochemical complex – you name it, we can create the ideal lighting solution.

You can find Atexor equipment in many industries, as well as fire-fighting, transportation and military. From fixed luminaires to portable work lights, floodlights and power distribution systems, or just a good-old rugged flashlight, we have a portfolio second to none.

All our products are designed and manufactured in Finland, and we test them from start to finish to ensure they meet the highest standards.

In addition to ATEX and IECEx certified products, Atexor can provide local and regional certifications as needed. We also play an active role in international committees working on standards for equipment used in EX areas to further advance worker safety.

Reliability, high quality and our commitment to solving challenges on demanding time schedules are why customers around the world choose Atexor.

Atexor Oy is part of Finnish Teknower Group, a family-owned corporation encompassing Atexor, Teknoware and FLS Finland. Teknower Group generates over 100M Euros in annual revenue with locations in Finland, Sweden, Russia, Germany, UK, Poland, UAE, India, Malaysia and USA.



# GOING BEYOND EX-CERTIFICATION

ATEX/IECEx -certification is just the beginning at Atexor. With an ISO 9001 quality system and ATEX certified production, every feature, function and solution is the result of world-class design and engineering proven through end-to-end testing. Atexor products are more than just basic Ex-lights.

## SafeEye®

The raw light from powerful LEDs is blinding and painful. Our SafeEye® diffuser ensures SLAM® work lights are safe and easy on workers' eyes by spreading the light beam without significantly reducing lumens.

## PHOTOBIOLOGICAL SAFETY

High intensity light sources can be harmful to both skin and eyes through ultraviolet, Blue Hazard Light and infrared emissions. Most white LEDs use blue emitting LED die so some portion of the total output as blue light. With Atexor, you can trust that our LEDs are tested for Photobiological Safety according to EU Directive 2006/25/EC – artificial optical radiation.

## OPTICAL RADIATION

High-powered LEDs are comparable to a laser. Extremely intense and concentrated, they could easily ignite small airborne particles, for instance. This is why we have the optical radiation inherently safe, or 'op is,' industrial standard IEC/EN 60079-28.

All SLAM® LED work lights are op is rated, yet still provide maximum, safe lumens. Often overlooked in testing and certifications, Atexor covers op is in our certifications and typically mark our products with "op is" for easy verification of optical radiation safety.

## EM-Function

Working in EX areas is challenging. A power failure turns that challenge into danger. We designed our EM-Function battery backup solution specifically to address this risk. Work lights with a backup battery provide peace of mind, and lighting for safe exit in an emergency. Both SLAM® and MICA® series products include EM-Function options.

110V/230V SLAM® Cable Reel

SLAM® Star 110/230V

SLAM® Transformer  
Input: 110/230V,  
Output: 12/24/42V

SLAM® Hornet 12/24/42V

SLAM® Hornet 12/24/42V

SLAM® Hornet 12/24/42V

SLAM® Hornet 12/24/42V

These illustrations demonstrate the countless possible configurations with SLAM®.



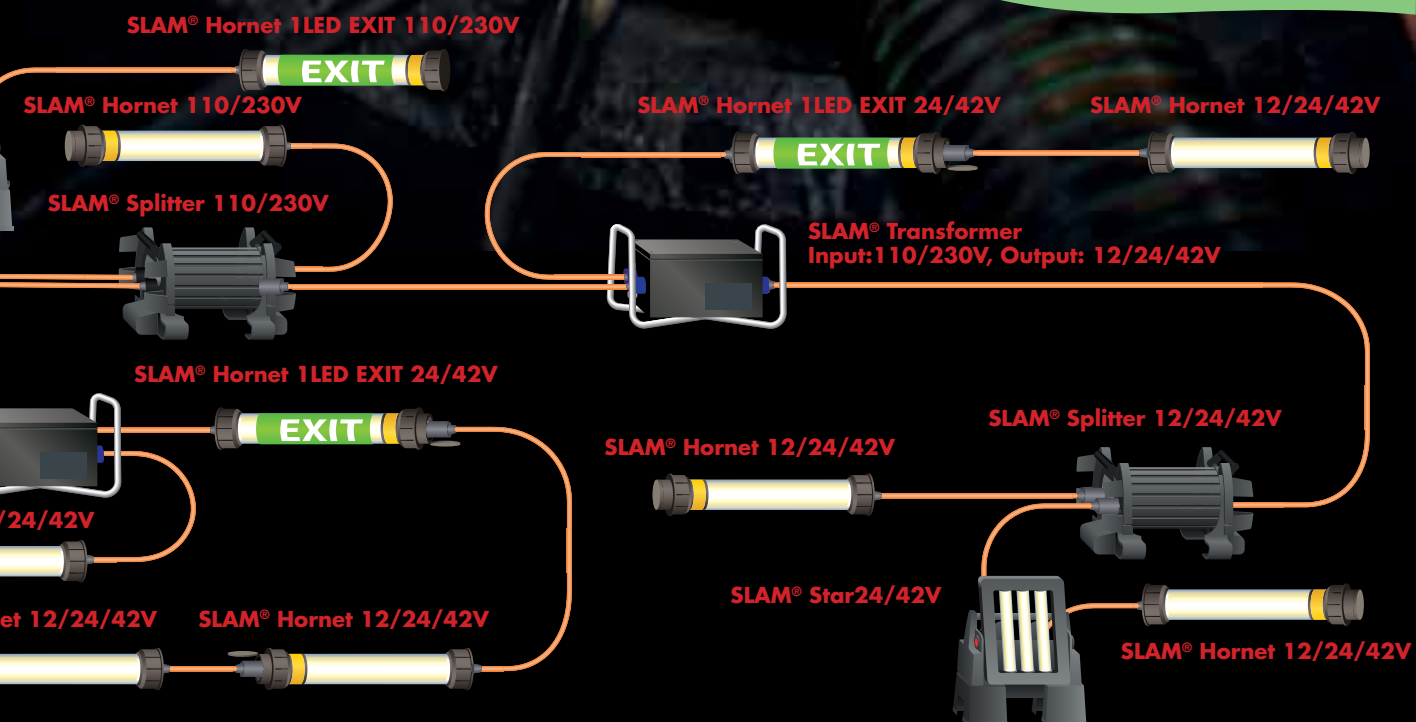
## MODULARITY IN USE



With the SLAM® range of portable ATEX and IECEx equipment, you get maximum flexibility. Set up efficient temporary EX lighting for just about any application. In addition to our wide range of work lights, socket options and accessories, Atexor can easily create custom solution to meet your exact requirements.

## CERTIFICATES WITH X

Atexor certifications are provided in full. This is important when there is an 'X' in an ATEX or IECEx certification number. That indicates specific condition(s) for safe use. We recommend checking EX equipment documentation to ensure you have all information for safe use.





# EX LIGHTING KITS FOR TANKS & VESSELS

**SAFETY WITH LOW-VOLTAGE.**

- SIMPLE TO ORDER AND USE
- ALL SAFETY ELEMENTS IN ONE PACKAGE
- FULLY CERTIFIED FOR TEMPORARY INSTALLATIONS IN EX-AREAS
- EASILY MODIFY TO SUIT DIFFERENT TYPES OF HAZARDOUS AREAS

SLAM® Sets are fully-certified, complete lighting solutions for different types of confined spaces. Step-down transformers provide low voltage to work areas. You can just use a ready-made set, or we can modify sets to meet specific needs. All components, including the mounting options, are ATEX certified.

## SLAM® Linear Tank Set

- 24 VAC STEP-DOWN TRANSFORMER
- 3X 2LED WORK LIGHTS
- EXIT LIGHT W/BATTERY
- 8X BRACKETS & STRAPS



The SLAM® Linear Tank Set comprises all critical elements that are needed for safe work in confined hazardous areas: low-voltage, proper EX-protection and an emergency backup. 24V voltage is provided by a portable EX-transformer. Light comes

from SLAM® Hornet 2LED Linear EX-work lights and one portable SLAM® EXIT Light unit, supporting safe exit in case of a power failure. Standard cable length is 20 meters, and the set includes magnetic brackets and straps.

## SLAM® Link-Up Tank Set

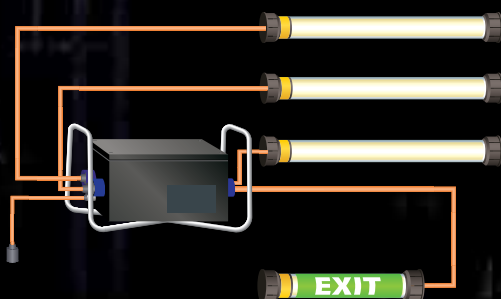
- 42 VAC STEP-DOWN TRANSFORMER
- 4X 2LED WORK LIGHTS
- EXIT LIGHT W/BATTERY
- 10X BRACKETS & STRAPS
- ALSO 24V AVAILABLE



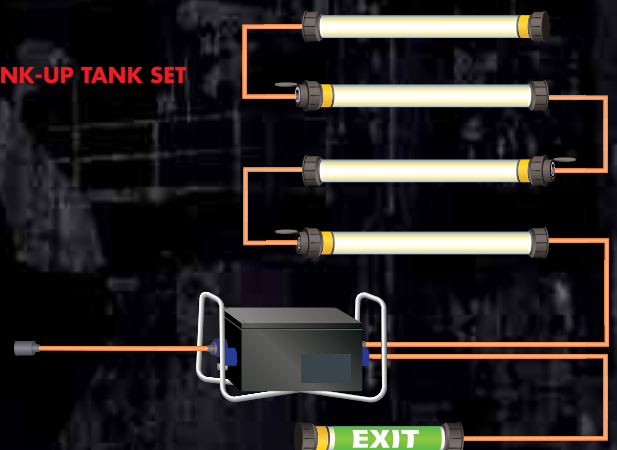
If you have a large area with long distances to deal with, we recommend SLAM® LINK-UP Tank Set. The 42 VAC step-down transformer delivers low voltage current to the long string of

linked worked lights, as well as the EXIT light with emergency backup battery, using standard 20 m cabling.

SLAM LINEAR TANK SET



SLAM LINK-UP TANK SET





## SLAM<sup>®</sup> EM Tank Set

- 24 VAC STEP-DOWN TRANSFORMER
- 3X LED WORK LIGHTS (EM)
- EXIT LIGHT W/BATTERY
- 8X BRACKETS & STRAPS



We designed the SLAM<sup>®</sup> EM Tank Set for maximum safety. All lights in this set come with our EM Function (EM), so you have 100% battery backup for all light sources. If the mains power

supply to the confined space is unreliable, this is the SLAM<sup>®</sup> set for you. A 24 VAC step-down transformer and 20 m cables provide extra low voltage current to the equipment.

## SLAM<sup>®</sup> Star Tank Set

- 24 VAC STEP-DOWN TRANSFORMER
- 3X LED FLOOD LIGHTS
- EXIT LIGHT W/BATTERY
- 2X BRACKETS & STRAPS



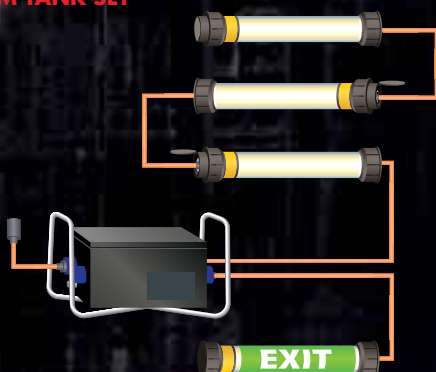
The SLAM<sup>®</sup> STAR Tank Set was put together for large tanks and vessels. Particularly good for paint jobs, this set makes temporary lighting of expansive spaces simple. A 24 VAC

step-down transformer provides low voltage current to three high-powered LED floodlights and an EXIT light with emergency backup battery.

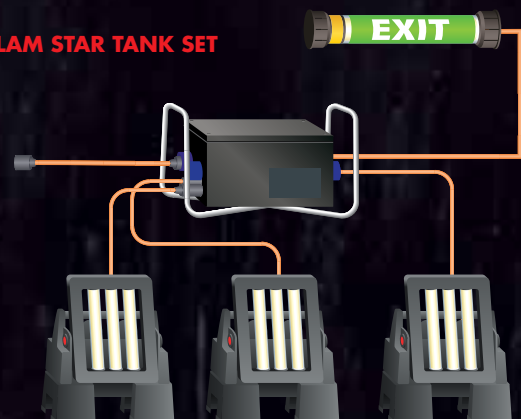
**EX-CERTIFIED CABLE REELS AND EXTENSION CABLES AVAILABLE SEPARATELY** (see pg. 19)



SLAM EM TANK SET



SLAM STAR TANK SET





**SLAM**

# STAR PORTABLE EX-FLOODLIGHT

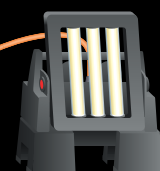
SAFE LIGHT!  
OP IS IN  
CONTROL



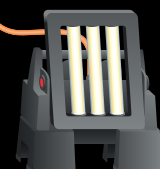
110/230V



TrafoEx



3 X Slam® Star



With two built-in sockets, significantly simplify cabling with SLAM® Star.



## SLAM® Star

- ATEX & IECEX CERTIFICATION FOR ZONES 1 & 2
- INGRESS PROTECTION IP66 AND TEMP CLASS T4 • SUPPLY VOLTAGES: 24V/42V (TRANSFORMER) AND 110VAC/230VAC (MAINS) • LONG-LIFE, POWERFUL LEDs (50 000 HOURS)
- 5,400 LUMENS OF CLEAN WHITE LIGHT (4000K) • CERTIFIED AS PORTABLE EX-EQUIPMENT SAFE TO MOVE, EVEN WHILE POWERED • FULLY ANTISTATIC • AVAILABLE WITH STRONG MAGNETS • SERVICE FRIENDLY CONSTRUCTION



We engineered the Atexor SLAM® STAR Portable Floodlight to ensure its surface temperatures remains very low during operation. The ultra-bright LEDs emit well over 5,000 tested lumens while generating hardly any heat.

With a 25° step-less adjustment, you can aim the light just as you need. You can also move the floodlight around at any time. There's no need to disconnect the power supply!

We have carefully selected the materials for this ATEX certified floodlight to eliminate the risk of sparks. Everything is dissipative, so there is no buildup of static charge. The double-shell construction means you can work worry-free. This floodlight is ready for tough use and abuse.

Each LED set is controlled by an independent, isolated electronics unit. If one fails, the others stay lit. Our electronics layout also further improves on the already low maintenance: each unit can be individually replaced.

The input sockets (with 0-2 Ex-socket options) feature our new patented design, which make repairs quick and easy if a cable or socket gets damaged.

Use our sturdy magnets to mount the STAR floodlight to steel walls and structures and easily keep the floodlight free of dirt and grime with our replaceable protective films.

**ETXRA SAFETY FEATURE.**  
**EACH LED UNIT IS CONTROLLED BY**  
**INDEPENDENT ELECTRONICS.**  
**IF ONE FAILS, OTHER TWO STAY LIT!**



| TECHNICAL DATA           | Star (3LED)  |
|--------------------------|--|
| Code                     | SS3LED   |
| Certification            | II2 G Ex eb mb op is IIC T4 Gb                           |
| Ingress protection       | IP66   |
| Operating temperature    | -20°C ... +40°C  |
| Supply voltage           | 100 - 250 VAC/DC, 0/50/60Hz or 20 - 50 VAC/DC, 0/50/60Hz |
| Luminous flux (measured) | 5412 lm  |
| Light emitted at source  | Approx. 7400 lm  |
| Dimensions               | 412 x 356 x 492 mm                                       |
| Weight                   | 10,5 kg  |
| Variables                | A = Cable in. B = Cable in, one or two sockets out.      |



# SLAM HORNET LEDS



✓ SafeEye® ✓ OP IS  
**APPROVED**

**COST SAVINGS & EXTREME  
PERFORMANCE WITH LED-  
TECHNOLOGY.**



# SLAM® Hornet 1LED, SLAM® Hornet 2LED, SLAM® Hornet Linear 2LED

- EX-CERTIFIED FOR ZONES 1 AND 21
- IMPROVED TEMPERATURE CLASS T4 • LINKABLE IN SERIES • ATEXOR SAFEYE® LED TECHNOLOGY
- SELECT FROM A WIDE RANGE OF SPECIALLY DESIGNED FIXINGS • EXTREMELY DURABLE CONSTRUCTION • EASILY REPLACEABLE ANTI-STATIC FILM • OPTICAL IRRADIANCE MINIMIZED



LEDs are the light source of today, and SLAM® Hornet LED work lights truly reflect their unquestionable benefits compared with more conventional light sources such as halogen and incandescent bulbs: energy efficiency, longer lifetime, superior mechanical performance and reduced service costs. And thanks

to SafeEye®, LED work lights produce a smooth, non-irritating light. Using Hornet LEDs in hazardous areas allow also an improved T-class of T4 making it possible to enter various areas with T4 requirement for example in petrochemical refineries.

## VARIABLES

### SLAM® LIGHTS COME WITH TWO OPTIONS FOR SUPPLYING POWER

**A** Single male connection on end of power cable to power supply.



**C** Has an EX-approved socket on the other end of the light. This allows linking in EX-hazardous area.



| TECHNICAL DATA        | HORNET 1LED  | HORNET 2LED  | HORNET LINEAR 2LED  |
|-----------------------|--|--|---|
| Code                  | SH1LED   | SH2LED   | SH12LED   |
| Certification         | II 2 G Ex emb op is IIC T4 Gb<br>II 2 D Ex tb op is IIC T90°C Db<br>IP66 | II 2 G Ex emb op is IIC T4 Gb<br>II 2 D Ex tb op is IIC T90°C Db<br>IP66 | II 2 G Ex emb op is IIC T4 Gb<br>II 2 D Ex tb op is IIC T90°C Db IP66 |
| Ingress protection    | IP66   | IP66   | IP66  |
| Operating temperature | -20 to +40 °C  | -20 to +40 °C  | -20 to +40 °C   |
| Supply voltage        | 24VAC/DC, 42VAC/DC,<br>110VAC/DC, 230VAC                                 | 24VAC/DC, 42VAC/DC,<br>110VAC/DC, 230VAC                                 | 24VAC/DC, 42VAC/DC,<br>110VAC/DC, 230VAC                              |
| Frequency             | 0 Hz (DC), 50 Hz, 60 Hz  | 0 Hz (DC), 50 Hz, 60 Hz  | 0 Hz (DC), 50 Hz, 60 Hz   |
| Dimensions            | 535 x 115 mm (A-cable in)<br>575 x 115 mm (C-cable in,<br>socket out)    | 865 x 115 mm   | 1020 x 115 mm   |
| Weight                | 1.8 kg   | 3.1 kg   | 3.4 kg  |
| Variables             | A-cable in, C-cable in, socket out                                       | A-cable in, C-cable in, socket out                                       | A-cable in, C-cable in, socket out                                    |



**SLAM**

# HORNET EM & EXIT 1LED

✓ SafeEye® ✓ OP IS  
**APPROVED**

## IMPROVE SAFETY WITH EM FUNCTION

Atexor work lights that feature our EM Function use a backup battery to power a dual-purpose emergency feature. Advanced electronics enable the EM Function to generate strong light when the primary power supply is lost. As an additional safety feature, the EM Function initiates flashing at 15-second intervals to alert workers of the power outage. The heavy-duty battery keeps the work light powered for a solid three hours.



## SLAM® Hornet EM & Exit 1Led

- ATEX & IECEX CERTIFIED FOR ZONES 1 AND 21
- STRONG LUMENS WITH SAFEYE® PROTECTION
- T4 TEMPERATURE CLASS • PORTABLE, MOVE WHILE CONNECTED • EXTREMELY ROBUST CONSTRUCTION • RECHARGEABLE BACKUP BATTERY UNIT • LIGHT TUBE COVERED WITH EASILY REPLACEABLE ANTI-STATIC FILM
- OPTICAL IRRADIANCE CONSIDERED • BUILT-IN EX-SOCKETS ENABLE LINKING IN EX-AREA



SLAM® Hornet EM 1LED offer you all the unbeatable Atexor features in one package, including dual purpose EM Function,

powerful LED light with SafeEye® and the most rugged construction on the market.



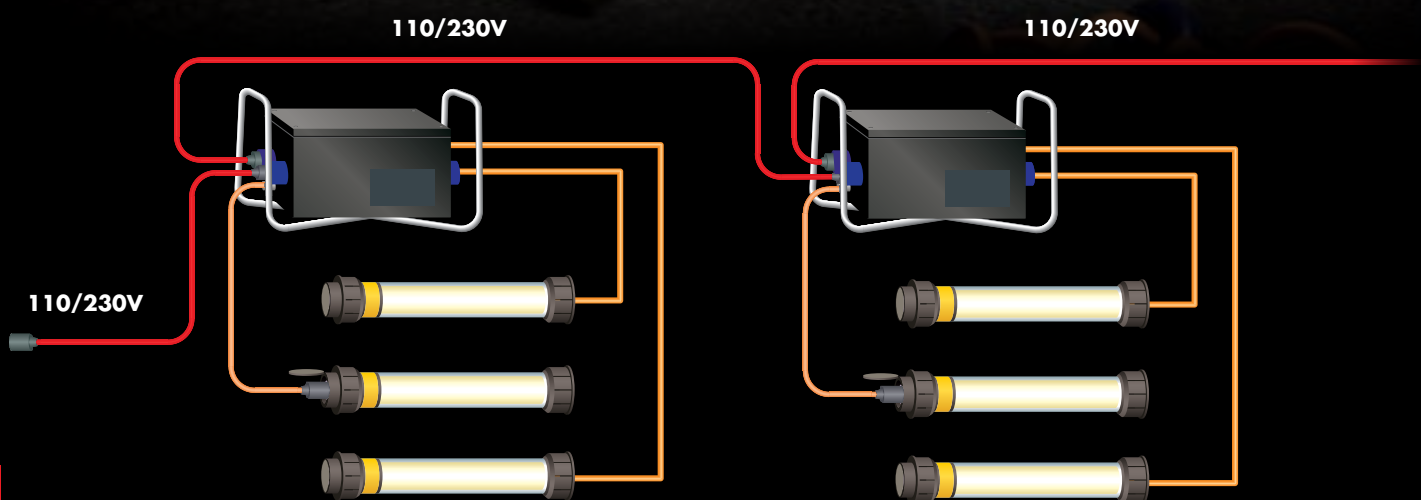
| TECHNICAL DATA                              | HORNET EM 1LED & HORNET EXIT 1LED  |
|---|--|
| Code  | SHEM1LED & SHEXIT1LED  |
| Certification                               | Ex II 2 G Ex eb ib mb op is IIC T4 Gb<br>Ex II 2 D Ex tb op is IIIC T90°C Db |
| Ingress protection                          | IP66   |
| Operating temperature                       | -20°C ... +40°C  |
| Supply voltage                              | 24VAC/VDC – 42VAC/VDC – 110VAC/VDC – 230VAC/VDC                              |
| Power consumption                           | <30W   |
| Battery operational during electricity cuts | Up to three hours  |
| Dimensions                                  | 708 mm x 115 mm Ø  |
| Weight                                      | 2,9 kg   |
| Variables                                   | A-cable in, C-cable in, socket out   |



# SLAM PORTABLE EX-TRANSFORMERS

**SAFETY WITH  
LOW-VOLTAGE.**

## LINKING EXPLAINED





## SLAM® TrafoEx ATEX & IECEx

- ATEX AND IECEX CERTIFIED FOR ZONES 1 AND 21
- EASY TO CARRY AND STACK
- AVAILABLE WITH LINKING OPTION
- 2 AND 4 SOCKET OPTIONS
- FOR TEMPERATURES UP TO +50 °C
- FAST AND EASY SERVICING



Certified using the latest ATEX and IECEx standards, the SLAM TrafoEx step-down transformer easy to use, is easy to maintain and easy to store. The sturdy frame keeps the the transformer box well protected while providing lots of carrying options and secure stacking.

Socket configurations include support for linking transformers, allowing you to use several TrafoEx units in large lighting setups. This is ideal for servicing and maintenance projects where process downtime needs to be minimized.

The TrafoEx was designed with servicing in mind. The unit is extremely easy to work with. A fuse change takes barely one minute. The 2 and 4-socket arrangements include an option for linking transformers. You can set up large low-voltage lighting installations with multiple transformers, cutting process downtime for required maintenance.



| TECHNICAL DATA                        | TRAFOEX ATEX   | TRAFOEX IECEX  |
|---------------------------------------|--|--|
| Code                                  | STREX2CA, STREX4CA, STREX31CA  | STREX2CA, STREX4CA                                   |
| Certification (equipment certificate) | II 2G Ex eb IIC T4/T3 Gb<br>II 2D Ex tb IIIC T70°C Db  | Ex eb IIC T4/T3 Gb                                   |
| Ingress protection                    | IP66   | IP66   |
| Operating temperature                 | -20...+55°C  | -20...+55°C  |
| Supply voltages                       | 110VAC, 230VAC   | 110VAC, 230VAC                                       |
| Output voltages                       | 12VAC, 24VAC, 42VAC  | 12VAC, 24VAC, 42VAC                                  |
| Output current                        | Max. 16A   | Max. 16A   |
| Power                                 | 400VA  | 400VA  |
| Dimensions                            | 585 x 295 x 310 mm   | 585 x 295 x 310mm                                    |
| Weight                                | 19 kg including 4x sockets   | 19 kg including 4x sockets                           |
| Surface materials                     | Aluminium case, stainless steel frame  | Aluminium case, stainless steel frame                |
| Plug and socket option                | ATX, CEAG  | CEAG   |
| Variables                             | 2 or 4 secondary outputs. 3 secondary outputs + 1 mains output for linking. Cable length upon request. | 2 or 4 secondary outputs. Cable length upon request. |



# **SLAM** **PORTABLE EX-SPLITTERS**



**EXTREME  
PORTABILITY  
FOR EXTREME  
CONDITIONS.**



## SLAM® Splitter Ex

- 110 OR 230V MAINS VERSIONS • FOR ZONES 1 AND 2 • EXTREMELY ROBUST CONSTRUCTION • 2 OR 4 CEAG SOCKETS
- OPERATING TEMPERATURE -20°C...+40°C



The SLAM SPLITTER EX is ready to work for you, no matter how complex the lighting installation or how hazardous the area may be. The entire product is EX-certified with one certification,

greatly simplifying paperwork and proof of safety. The certification also confirms the exceptional portability of the SLAM SPLITTER EX – you can move the splitter even while connected.

## SLAM® Splitter Ex High Temp

- 12, 24 & 24VAC SAFETY VOLTAGES AND 110 OR 230V MAINS VERSIONS • FOR ZONES 1 AND 2 • EXTREMELY ROBUST CONSTRUCTION • 2 OR 4 ATX SOCKETS
- SLAM HIGH TEMP SERIES. UP TO +55°C



With a wide range of supported voltages, the splitter can be used in any configuration, before or after transformers. The standard 10 meter input, also custom-orderable to any length, is

easily wrapped around the splitter for convenient transporting. With a confirmed operating temperature up to +55 °C, the high temperature version of SLAM SPLITTER EX can sweat it out easily.



| TECHNICAL DATA                        | SPLITTER EX   | SPLITTER EX HIGH TEMP  |
|---------------------------------------|---|--|
| Code                                  | SS16EX4CCEA   | SS16EX4C   |
| Certification (equipment certificate) | Ex II 2 G Ex e d IIC T4 Gb<br>Ex II 2 D Ex tb IIIC T80°C Db                           | Ex II 2 G Ex e d IIC T4 Gb<br>Ex II 2 D Ex tb IIIC T80°C Db                          |
| Ingress protection                    | IP66  | IP66   |
| Operating temperature                 | -20 to +40 °C   | -20 to +55 °C  |
| Supply voltages                       | 110V or 230V  | 12V, 24V, 42V, 110V or 230V  |
| Supply current typical                | Max. 16 A   | Max. 16 A  |
| Maximum load                          | 230V (3680W), 110V (1760W)  | 230V (3680W), 110V (1760W), 42V (672W)<br>24V (384W), 12V (192W)                     |
| Dimensions                            | 532 x 356 x 313 mm  | 532 x 356 x 313 mm   |
| Weight                                | 10.5 kg (without cable/sockets/plug)  | 10.5 kg (without cable/sockets/plug)   |
| Surface materials                     | Dissipative elastomer and aluminium   | Dissipative elastomer and aluminium  |
| Variables:                            | CEAG Ex socket outlets. Supply cable type and length upon request. Plug upon request. | ATX Ex socket outlets. Supply cable type and length upon request. Plug upon request. |





## EX CERTIFIED EXTENSION CABLES AND CABLE REELS



**A VITAL PART FOR  
SAFETY IN EX-AREAS.**



## SLAM® Extension Cables and SLAM® Cable Reels

- EX-CERTIFIED FOR ZONES 1 AND 21
- COMPLETELY ATEX-CERTIFIED • IDEAL ELEMENTS FOR SETTING UP TEMPORARY SLAM-LIGHTING SYSTEMS • REEL EQUIPPED WITH PROPER ANTI-STATIC WHEELS • PART OF SYSTEM ATEX-CERTIFICATION OF SLAM TANK SETS



A comprehensive SLAM® solution is available when you need a movable electrical distribution system to EX-hazardous job sites. Thanks to SLAM® cables and cable reels, you can bring the electrical distribution close with one safe and fully certified package. Suitable for all supply voltages and all major EX-sockets available.

The SLAM® Cable Reel 16EX gives you a long distance power source in hazardous job sites with 1 or 2 sockets and maximum

150m output cable. It ensures electrical distribution in an easily portable and safe way.

The EX-certified SLAM® Extension Cable is ideal for complete temporary SLAM® lighting system. The extension cables may be a maximum of 25 m long and equipped with any conforming EX-certified plugs and mobile sockets (such as CEAG, ATX, Stahl or Marechal).



| TECHNICAL DATA        | REEL 16EX  | EXTENSION CABLES EX   |
|-----------------------|--|---|
| Code                  | SR16EX   | SEC16EX   |
| Certification         | II 2 G Ex e d IIC T4 Gb<br>II 2 D Ex tb IIIC 120°C Db IP 66  | II 2 G Ex de IIC T4 Gb<br>II 2 D Ex tb IIIC T120°C Db IP 66 |
| Ingress protection    | IP66   | IP66  |
| Operating temperature | -20 to + 55 °C   | -20 to + 55 °C  |
| Supply voltage        | 12VAC/VDC, 24VAC/VDC, 42VAC/VDC,<br>110VAC/VDC, 230VAC       | 12VAC/VDC, 24VAC/VDC,<br>42VAC/VDC, 110VAC/VDC, 230VAC      |
| Cable lengths         | Small reel 15–50 m cable<br>Big reel 50–80 m cable           | 5–25 m cable  |
| Dimensions            | Small reel 460 x 550 x 275 mm<br>Big reel 580 x 720 x 325 mm | –   |
| Operating current     | 16A (max)  | 16A (max)   |



A construction worker wearing a high-visibility yellow safety jacket with reflective silver stripes, a yellow hard hat, and large green earmuffs is focused on using a surveying instrument. The instrument is mounted on a vertical silver pole and has a black top section with a lens. The worker is holding the pole with both hands, and the background is a dark, industrial setting with red vertical structures.

**TO MAKE YOUR LIGHTING  
SOLUTION COMPLETE.**

**SLAM** 

**ACCESSORIES**



## SLAM<sup>®</sup> Click'n Fix Series EX-certified and anti-static



**EQUIPPED WITH  
SECURING SCREWS**

- EX-CERTIFIED • EASY AND FAST FIXING SYSTEM • DIFFERENT OPTIONS FOR FASTENING
- ALL CLICK'N FIX BRACKETS COME WITH SECURING SCREWS • NON-METALLIC CONSTRUCTION

SLAM Click 'n Fix is the easiest fixing system for portable lighting. No lighting system is complete without anti-static brackets to ensure every part of it is safe. You can find SLAM-

brackets that suit most surfaces, even or un-even. All the brackets are durable and easy to use. Every Click'n Fix comes with a securing screw for improved safety.

## SLAM<sup>®</sup> MAGNETIC BRACKET

Strong and fully anti-static magnetic fixing that does not require separate bonding wires! Also good for cable control, get rid of those cables lying on the floor. In The SLAM Magnetic bracket comes in two different versions. A bracket that fixes solidly to the magnet and a floating bracket for uneven surfaces such as corrugated iron.



## SLAM<sup>®</sup> MAGNETIC BRACKET LOOSE

For a strong, secure fit in challenging spaces with slanted or curved surfaces, choose the loose magnetic bracket option.



**BEFORE:**  
Extra bonding  
wire needed.



**NOW:**  
No bonding  
needed.





## SLAM® SINGLE BRACKET

Imagine a situation where you need to attach the work light onto a surface where no magnet or other part can attach. With SLAM Single Bracket you have an option of screwing the bracket firmly onto the surface and attach the work light there.



## SLAM® SCAFFOLD BRACKET

This EX-certified anti-static bracket is specially designed to attach to scaffolding pipes, ideally suited for industrial settings such as painting work. The bracket includes a pipe contact part with sharp teeth and a tightening strap to ensure fast mounting.



## SLAM® UNISTRUT BRACKET

In specific industries where Unistrut® -tracks are used, the SLAM Unistrut Bracket is the perfect solution. The bracket is equipped with Unistrut -part to enable proper fixing safely and without headache.



## SLAM® PROTECTOR

Original SLAM® Protector is an effective cover for end caps and Ex-sockets. Keeping Ex-certified equipment like SLAM® portable lights clean is critical for your workers' safety and for the longevity of the lights. Ideal for paint jobs. Designed to fit all SLAM® Hornets and Tubes. 10 pcs in one set.



**SLAM®**  
**Protective**  
**film**







## SLAM® S-HOOK KIT

The SLAM® S-Hook Kit includes one S-hook and one work light bracket. The quickest and easiest way to hang a work light is with the SLAM® S-Hook Kit. Ideal for hanging lights from pipes and scaffolding, you can also use the hooks to keep cables organized and off the floor.



## SLAM® S-HOOK

Perfect addition for safe cable arrangements.



## SLAM® HANGING STRAPS

You can count on adjustable hanging straps anywhere you go. They are flexible, literally do not contain any stressing weight and may be adjusted (tightened) in line with your work site requirements such as pipes, masts and supports of various sizes. They are also easier to demount compared to conventional cable ties.



All SLAM® work lights come with a protective film over the light housing. When the lights get dirty, the protective film can be removed and replaced with a new sheet. 10 pcs in one set. The SLAM® protective film is a small part that plays a big role in the servicing and operation of your lights.



A full-page background image of a male worker in a white hard hat, safety glasses, and a high-visibility yellow jacket with reflective silver stripes. He is holding a large, bright flashlight in his right hand, which is illuminated. The background is dark and industrial, with some structural elements visible.

# MICA PRODUCTS



## MICA® IL-800

ATEX & IECEX CERTIFIED • THREE HIGH-POWER LEDS  
 • TEMPERATURE CLASSIFICATION T4 • UP TO 200 LUMENS GUARANTEED OVER LED LIFETIME • OPTIONAL EMERGENCY FUNCTION (EM) AND BLINK MODE (BK)  
 • ROBUST IP67 HOUSING • SINGLE SWITCH CONTROL FOR TWO POWER MODES • ZONE 0 & ZONE 1 VERSIONS



The Atexor MICA® IL-800 Zone 0 and Zone 1 are all-purpose, high quality hand lamps specially designed for use in Explosion Hazardous Areas. A handy dual-mode switch lets you choose between extending operating time or boosting light output.

Featuring a robust, dissipative construction and a tempered 5 mm lens, this hand lamp will not let you down when it is most needed. As an added bonus, the MICA® IL-800 floats if dropped in water.

Advanced electronics prevent deep discharge of the battery, and when battery is getting low, the beam starts to blink at 15 second intervals.

While the Zone 1 can be used in the most common hazardous area scenarios for gas and dust, we constructed the Zone 0 for particularly dangerous gas conditions.

Both Zone 0 and Zone 1 models are available with the Atexor emergency lighting function (EM Function). When the hand lamp with EM-function is in the charger, it detects a power outage and turns on automatically.



| TECHNICAL DATA                  | IL-800 ZONE 0 AND ZONE 1  |
|---------------------------------|---|
| Certification                   | <b>IL-800 ZONE 0:</b><br>II 1 G Ex ia IIC T4 Ga<br>II 2 D Ex tb IIIC T100°C IP67 Db<br><b>IL-800 ZONE 1:</b><br>II 2G Ex ib IIC T4 Ga<br>II 2D Ex tb IIIC 100°C IP67 Db |
| Area of classification:<br>Gas  | <b>IL-800 ZONE 0:</b> 0, 1 and 2<br><b>IL-800 ZONE 1:</b> 1 and 2   |
| Area of classification:<br>Dust | <b>IL-800 ZONE 0 and IL-800 ZONE 1:</b><br>Zones 21 and 22  |
| IP rating                       | IP67  |
| Light source                    | 3x Ultra-bright LEDs  |
| Battery                         | 6V NiMH   |
| Operating time                  | Full power 6 hrs,<br>Low power 12 hrs   |
| Operating temperature           | -20 to +40 °C   |
| Weight                          | 1.1 kg  |



**BRIGHT TOOLS FOR  
PROFESSIONALS.**



## MICA® ML-808



- HIGH-POWER CREE LED • TWO-MODE BEAM, 25 AND 100 LUMENS • OPERATING TIME UP TO 15 HOURS • RECHARGE IN LESS THAN 3 HOURS
- LED-BAR INDICATOR FOR BATTERY CAPACITY
- OPTIONAL EMERGENCY FUNCTION (EM) •
- OPTIONAL BLINKING FUNCTION (BK)



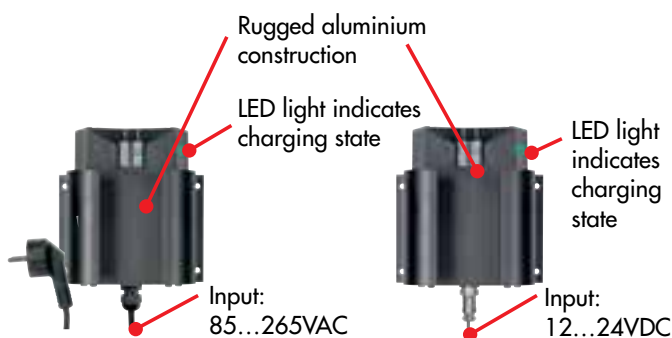
The MICA® ML-808 is the latest in high-powered ATEX hand lamps. It is a step up from the well-known MICA® ML-800. The new ML-808 is stored and recharged in the same MICA® MLC charging dock as previous MICA® ML-series lights. Two power modes allows the user to obtain the best combination of light power and usage time.

The lamp is equipped with an environmentally friendly NiMH battery offering continuous operating time up to 15 hours. Advanced electronics in the ML-808 protect the battery from deep discharges and warn the user of low battery charge by flashing the light beam when there is only 20 minutes of operating time left. The shock resistant IP-65 casing is manufactured entirely of anti-static plastic and aluminium. The lens is three millimetres thick and specially toughened. MICA® ML-808 is supplied with a strong belt clip and wrist strap.

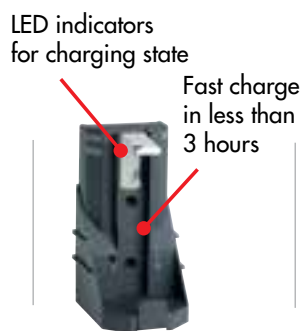
| TECHNICAL DATA                  | ML-808  |
|---------------------------------|---|
| Certification                   | II 2 G Ex ib op is IIC T4 Gb<br>II 2 D Ex ib op is IIIC T135°C Db |
| Area of classification:<br>Gas  | Zones 1 and 2   |
| Area or classification:<br>Dust | Zones 21 and 22   |
| IP rating                       | IP65  |
| Light source                    | Ultra-bright LED  |
| Battery                         | 6V NiMH   |
| Operating time                  | Full power 4 hrs 30 min<br>Low power 15 hrs                       |
| Operating temperature           | -20 to +40 °C   |
| Dimensions/Weight               | 120 x 64 x 55mm/400g  |



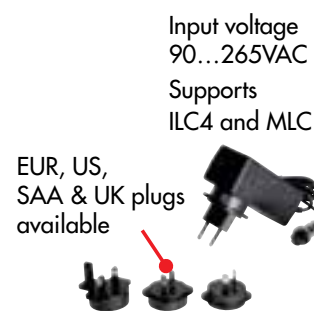
## Intelligent chargers for MICA® lamps



**MICA ILC4-VAC (FOR IL-SERIES) MICA ILC4**



**MICA MLC (FOR ML-SERIES)**



**MICA IL-2**





**RELIABLE FIXED  
LIGHTING WHERE  
SAFETY MATTERS  
THE MOST.**

# **SLAM FIXED** **PRODUCTS**

ATEXOR'S FIXED LUMINAIRES FOR ATEX AND IECEx ZONES PROVIDE POWERFUL YET SAFE, ENERGY EFFICIENT LED LIGHT THAT IS EASY ON WORKERS' EYES. THE SLAM FIXED® RANGE OFFERS HIGH-QUALITY FEATURES AND ROBUSTNESS FOR ALL TYPES OF ENVIRONMENTS AND APPLICATIONS.



### SLAM FIXED<sup>®</sup> Nordic 1LED / 2LED WS

- ATEX CERTIFIED FOR ZONES 1 AND 21
- TEMPERATURE CLASS T4 • SAFEEYE<sup>®</sup> TECHNOLOGY • HIGH QUALITY LEDS AND COMPONENTS • VERSATILE MOUNTING OPTIONS • SPECIALLY DESIGNED FOR COLD CLIMATES

SAFE LIGHT!  
OP IS IN  
CONTROL



Popular amongst refineries in cold climates, SLAM FIXED<sup>®</sup> Nordic 1LED and 2LED luminaires deliver on all the expectations of modern LED lighting: energy efficient, long lasting, durable and easy to maintain. With a Color Rendering Index (CRI) above 80, you also get great color distinction.

Nordic luminaires are made from durable polymers for excellent corrosion and weather resistance. To ensure maximum ruggedness, our shock-testing protocol far exceeds normal standards.

The Nordic 2LED features two independent LED units in a single enclosure. Each unit is controlled by separate, isolated electronics for improved reliability.

All SLAM FIXED<sup>®</sup> lights are available with pre-installed brackets and cables for speed and flexibility. If these options are not suitable or you need custom fixings, please contact our team for alternatives!

### SLAM FIXED<sup>®</sup> Novo 1LED / 2LED

- ATEX AND IECX CERTIFIED FOR ZONES 1 AND 21 • T4 RATING WITH OPERATING TEMP. UP TO +55 °C
- SAFEEYE<sup>®</sup> TECHNOLOGY • HIGH QUALITY LEDS AND COMPONENTS
- VERSATILE MOUNTING OPTIONS

SAFE LIGHT!  
OP IS IN  
CONTROL



Building on the strong foundation of our SLAM FIXED<sup>®</sup> Nordic luminaires, the Novo 1LED and 2LED bring a new dimension of ruggedness with the ability to withstand ambient temperatures as high as +55 °C. In addition, they are certified for both IECX and ATEX Zones 1 and 21.

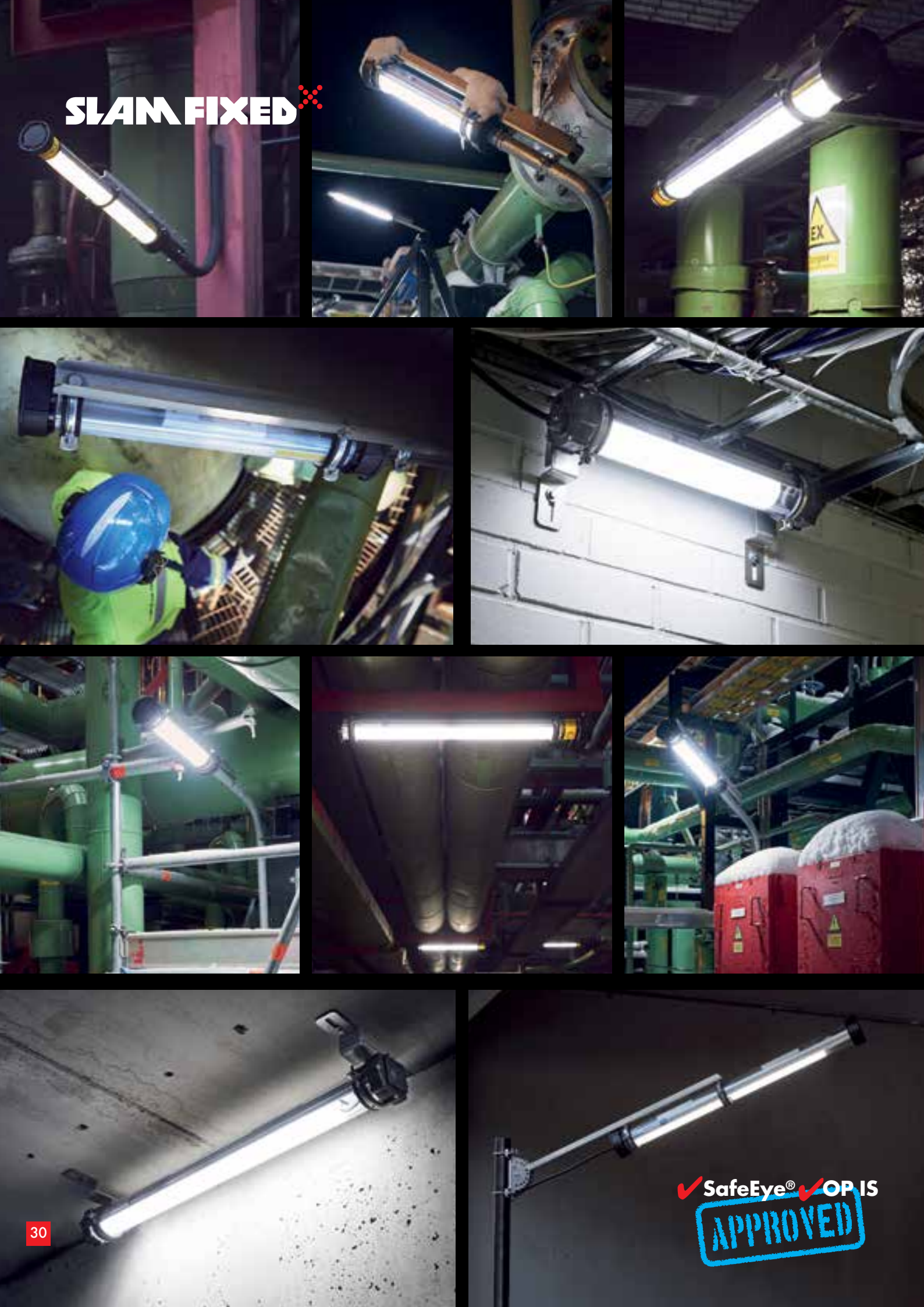
The robust polycarbonate frame and high-quality components help give the Novo luminaires extremely long life, no matter how harsh the conditions are. The entire construction is also completely dissipative. There is no risk of static charge build-up, so you can safely clean the installed luminaires.

Despite the rugged build, they are surprisingly lightweight, which helps ease installation and reduces stress on brackets and frames over the years. The luminaires are fully repairable, and all the components are replaceable.

At Atexor, we specialize in creating customized lighting solutions that best fit our customers' needs, including additional testing and Ex certifications. Contact us to set up a project to create the best products and solutions for you.



**SLAM FIXED**

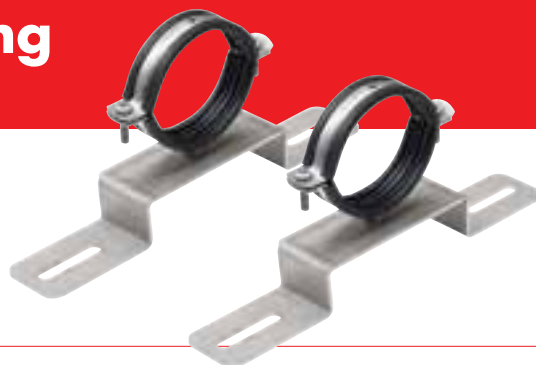


✓ SafeEye® ✓ OP IS  
**APPROVED**



## SLAM FIXED<sup>®</sup> 1&2 LED Ceiling & Wall Installation Kit

- STAINLESS STEEL A4 (AISI316) • FRAME ROTATES 360° • LIGHT ROTATES 360° • SLOTTED SCREW HOLES • EXTREMELY RUGGED CONSTRUCTION



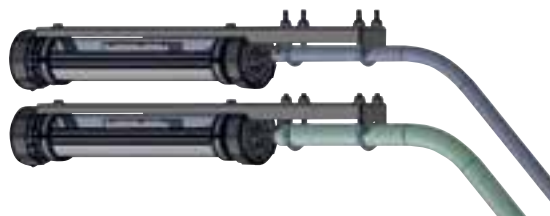
With slotted bolt holes and 360° rotating braces, this installation kit is extremely versatile, saving time and eliminating hassles. The rotating braces allow you to position the base bracket exactly as needed. The round luminaire can be easily placed

into the brace and rotated to adjust the lighting for the target area. The base brackets are made of thick A4 stainless steel to suit the most demanding conditions and withstand rough treatment.

## SLAM FIXED<sup>®</sup> 1&2 LED Pole Installation Kit

- STAINLESS STEEL A4 (AISI316) • SAME BRACKET SET FITS 1LED & 2LED • UNIQUE DESIGN SUPPORTS 30-45MM DIAMETER POLES • LIGHT ROTATES 360° • EXTREMELY RUGGED CONSTRUCTION

**Pole diameter: 30-45mm**



With easily adjustable brackets, you can skip making exact measurements of poles. The brackets accommodate pole diameters ranging from 30 to 45 mm. Made of thick A4 stainless steel, these brackets suit even the most demanding conditions and withstand rough treatment.

minimum. No need to cut and strip cables at the site. The luminaires are held by brace that allow for easy adjustment of the light beam direction.

Since the SLAM FIXED luminaires come with pre-installed fittings and cable, the actual installation time is cut to an absolute

If our installation kits do not perfectly meet your needs, please do not hesitate to contact our design team!

## SLAM FIXED<sup>®</sup> Protective Film

- EASY TO CHANGE • BOTH SIDES CONDUCTIVE • FITS ALL SLAM FIXED<sup>®</sup> WS LUMINAIRES • ATEX / IECX COMPATIBLE



All SLAM FIXED<sup>®</sup> WS Series Hazardous area luminaires can be protected with special Protective Film from Atexor. Film is conductive from both sides and tested by a Notified Body to confirm that it does not impact Ex-certification. When the

lights get dirty, the protective film can be easily removed and replaced with a new sheet. 10 sheets included in one set. Available for all SLAM FIXED<sup>®</sup> lights.



# SAFETY GUIDE

## HOW TO IMPROVE WORK SAFETY IN HAZARDOUS AREAS?

### 1 SELECT EQUIPMENT CLEARLY CERTIFIED AS PORTABLE

- Portable EX-equipment is designed for temporary use in hazardous areas.
- EX-certificate of such unit should clearly state the word "Portable".
- Fixed EX-lights and EX-hand lamps do not meet the same criteria as portable EX-lights.

All SLAM products are designed and certified for portable use.



### 2 ONE EQUIPMENT CERTIFICATE PER PRODUCT

- One complete certificate for the whole unit is required.
- Standard: IEC/EN 60079-0 part 13
- Assembling a unit of separate EX-components does not meet safety requirements.

### 3 SECURE EQUIPOTENTIAL BONDING IN EX-AREAS

- The outer metallic parts in hazardous areas must be bonded.
- Metallic tools may have a different charging level than the surrounding space.
- Failure of equipotential bonding may lead to sparks and a fatal accident.

SLAM products and accessories meet the requirements set for equipotential bonding in hazardous areas.





## 4 USE ANTISTATIC MATERIALS IN HAZARDOUS AREAS

- Plastic parts taken to hazardous areas must be anti-static.
- Protective plastic films and bags against dirt must be anti-static.
- Non-anti-static materials in hazardous areas may lead to spark and a fatal accident.

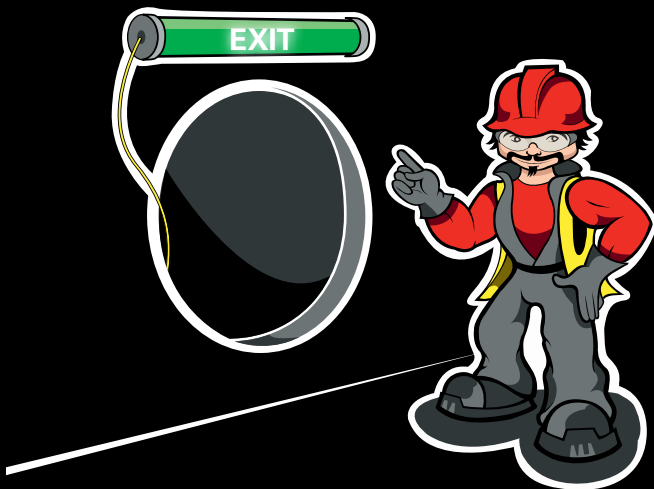
SLAM products certified for hazardous areas are anti-static. Bonding wires are not needed.



## 5 ESTABLISH TEMPORARY EMERGENCY LIGHTING

- Temporary exit-routes (manholes, stairways) must be designated in EX-areas.
- Portable EX-emergency work lights are to be used in such lighting units.
- Such units provide safe exit during power failures.

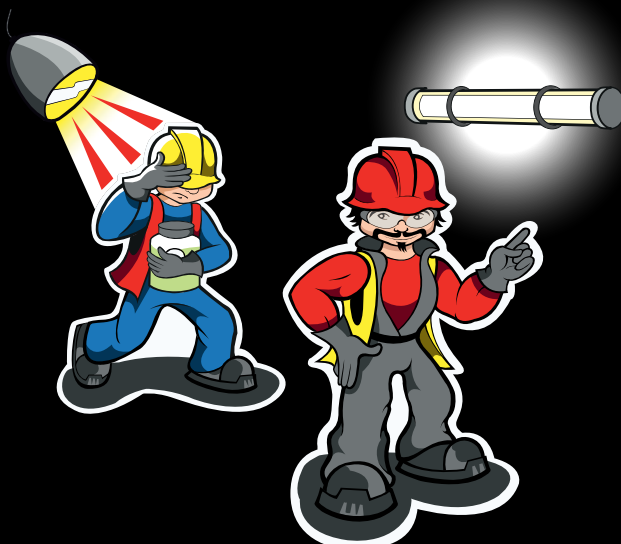
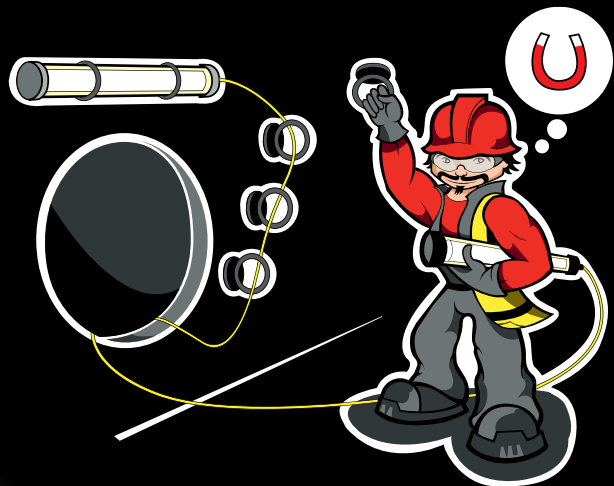
SLAM Hornet Emergency is an optimum portable solution for illuminating critical exit points in hazardous areas.



## 6 GET RID OF CABLES ON THE FLOOR

- Cables on the floor increase the risk of injury.
- Increase safety by securing cables to the floor or the wall.

The SLAM product range provides you plenty of options to reduce and control the amount of cables on job sites.



## 7 SAFE NON-IRRITATING LIGHT

- Raw LED-light is painful and blinding.
- Diffused light makes LED work lights safer and more pleasant to use.

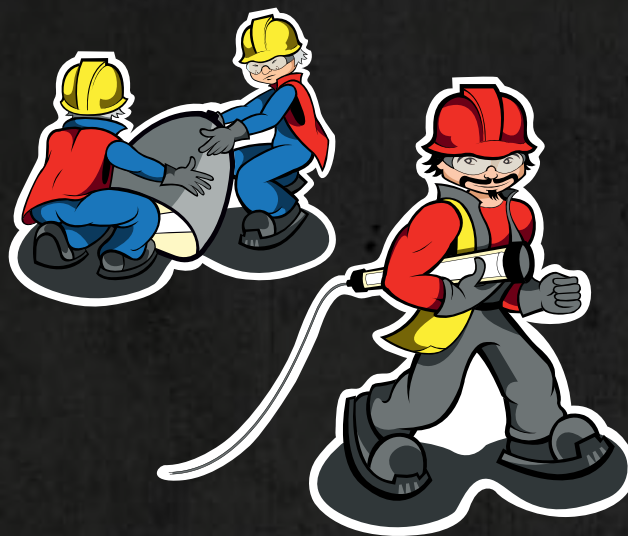
SLAM SafeEye protects eyes and makes the LED light output smoother by spreading the beam without significantly reducing lumens.



# SELECTION OF EQ

## 1 INTENDED PURPOSE OF EQUIPMENT

- When the equipment needs to be portable, the certificate should state this in the description of equipment.
- If not mentioned it is likely that the unit is not tested or accepted for portable use.
- Portable EX-luminaire and non-portable EX-luminaire have different requirements.



## 2 CLASSIFICATION OF EX-AREA

- Compare the equipment certificate with the area classification.
- Examples:
  - Equipment category 2 = Zone 1 and 2
  - EPL marking Gb = Zone 1 and 2

Make sure that the equipment CATEGORY is suitable for the particular EX-area classification.

## 3 SUBSTANCE EXPLOSION GROUP

- Compare the equipment certification to the explosion group of the substance that is creating the danger of explosion.
- Examples:
  - Hydrogen → Explosion group IIC
  - Ethylene → Explosion group IIB
  - Naphtha → Explosion group IIA

Make sure that the equipment EXPLOSION GROUP is suitable for the particular EX-area classification.





# EQUIPMENT

## STEPS FOR SAFE CHOICES

### 4 TEMPERATURE RATING OF EQUIPMENT

- Compare the equipment certification to the highest acceptable temperature of substances that contribute to the danger of explosion.
- Examples:
  - Hydrogen → Ignition temp 560 °C = T1
  - Ethylene → Ignition temp 425 °C = T1
  - Diesel → Ignition temp 230 °C = T3
  - Diethyl ether → Ignition temp 195 °C = T4

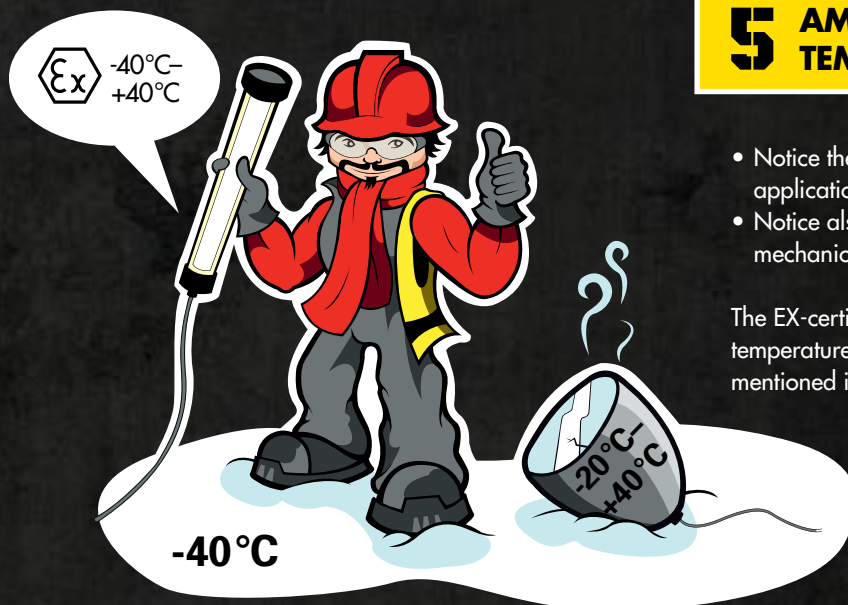
Make sure the equipment's HIGHEST TEMPERATURE POINT is suitable for the particular EX-area classification.



### 5 AMBIENT TEMPERATURE

- Notice the ambient temperature of the application of use.
- Notice also other criteria e.g. heavy mechanical stress and effect of chemicals.

The EX-certificate is valid between ambient temperatures of -20 °C to +40 °C if not otherwise mentioned in the certificate.



### 6 TURN-KEY SOLUTIONS AVAILABLE FOR YOU

- Further questions?
- Atexor is at your disposal

**WE ARE THERE  
FOR YOU**







ATEXOR OY HAS DECADES OF EXPERIENCE IN ATEX & IECEX LIGHTING AND POWER SUPPLY SOLUTIONS. IN COOPERATION WITH THE CUSTOMER, WE FIND THE MOST ECONOMICAL SOLUTION, WITHOUT COMPROMISING ANY SAFETY ELEMENTS. WE ARE KNOWN FOR OUR ABILITY TO SOLVE CUSTOMERS' HAZARDOUS AREA CHALLENGES IN DEMANDING TIME SCHEDULES.

ATEXOR IS PART OF TEKNOPOWER GROUP. IN ADDITION TO OUR OWN SUBSIDIARIES IN THE UK & RUSSIA, THE GROUP HAS OPERATIONS IN SWEDEN, RUSSIA, UK, USA, POLAND, UAE, GERMANY, INDIA, AND IN MALAYSIA.

- ATEXOR OY • P.O.BOX 63 • FIN-02631 ESPOO, FINLAND
- TEL. +358 20 734 3250 • FAX. +358 20 734 3298

[www.atexor.com](http://www.atexor.com)