NORDICLIGHTS

DAVESMEN INDIA PVT. LTD.
Maximizing Safety | Optimizing Efficiency

The Essential Guide to Mining Lighting

PERFECT YOUR ILLUMINATION

Work lights from Nordic Lights change the operating experience completely. Operators will have a perfectly illuminated, unobstructed view of the area around and in front of the vehicle. You can trust our lights, as they are put through extreme tests to ensure functionality in harsh conditions. They will help you minimize downtime and avoid accidents on the mining site.

Over 30 years of product development and field tests with the largest mining vehicle manufacturers in the world is our proof of concept. Make working on your site easier, safer, and boost overall productivity with Nordic Lights expertly planned lighting solutions, specifically for mining.

Save Money

Avoid Accidents

Increase Productivity

FEATURED TOPICS

Optimize your lighting

Mining excavator
Mining truck
Dozer
Grader

Tech talk

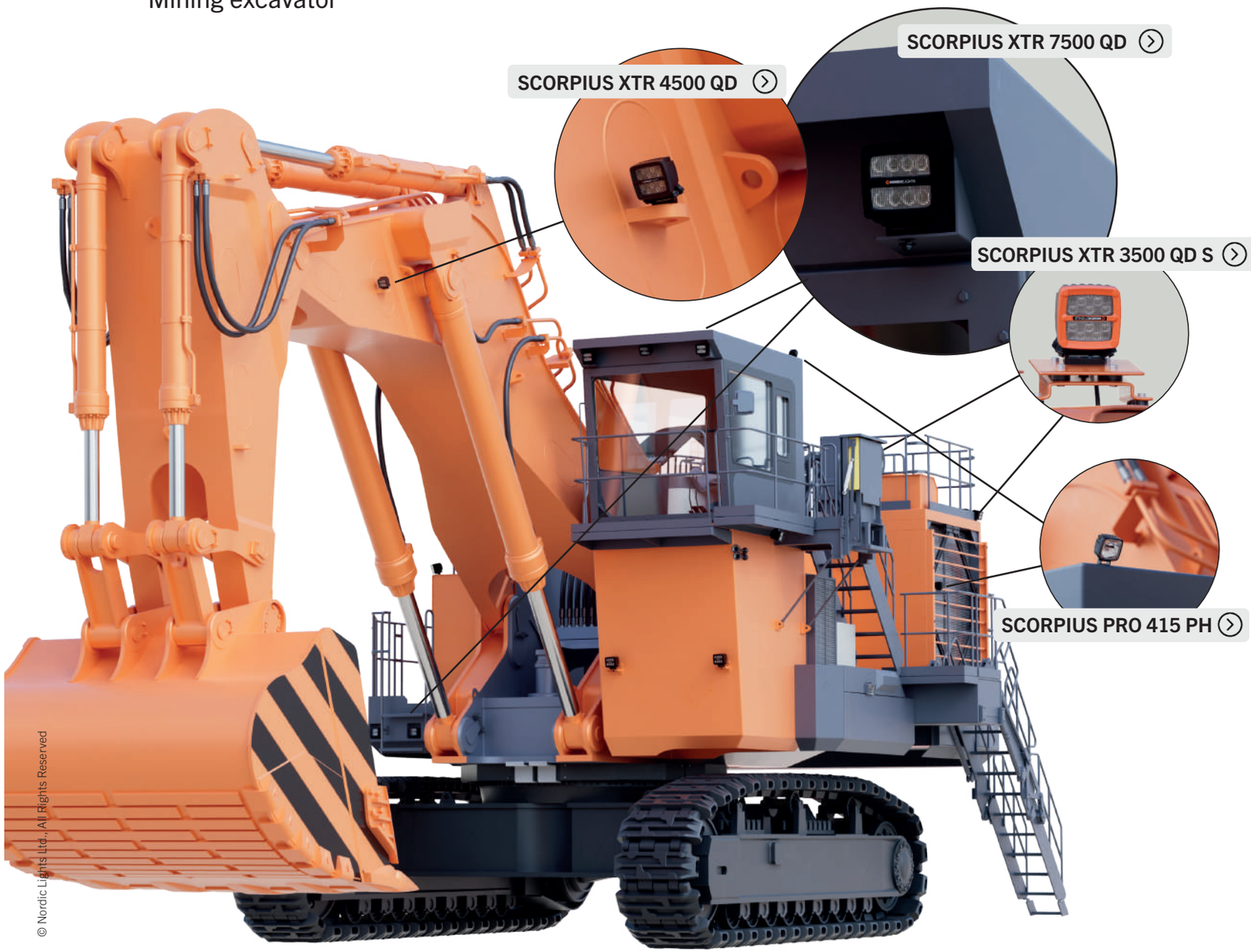
Colored bezels
Glass lens
Color temperature
CRI
Light patterns
Glare-free lighting

Products

This symbol indicates that you can find related information, just click the link or find the corresponding page.

Dig what you see

Mining excavator



THE OPTIMAL CHOICE

PROFESSIONAL SETUP

Choose the professional setup* for unbeatable productivity and safety – your bottom line will shine. The XTR Series lights feature excellent color rendering and optimal color temperature. Add service lights from the PRO Series for glare-free access to the vehicle.

For mining we designed energy efficient 24V versions of the hard-wearing Scorpius. Equipped with the Quake Dampening system, these work lights will withstand even the harshest vibrations. To eliminate melting lens issues caused by dust in the mine, go for the glass lens versions.

With these work lights on your mining excavator you will:

- Ensure safe and efficient operations
- Distinguish different materials with ease
- Load faster and minimize downtime

*In this light optimization example we used a 260 tonne mining excavator.

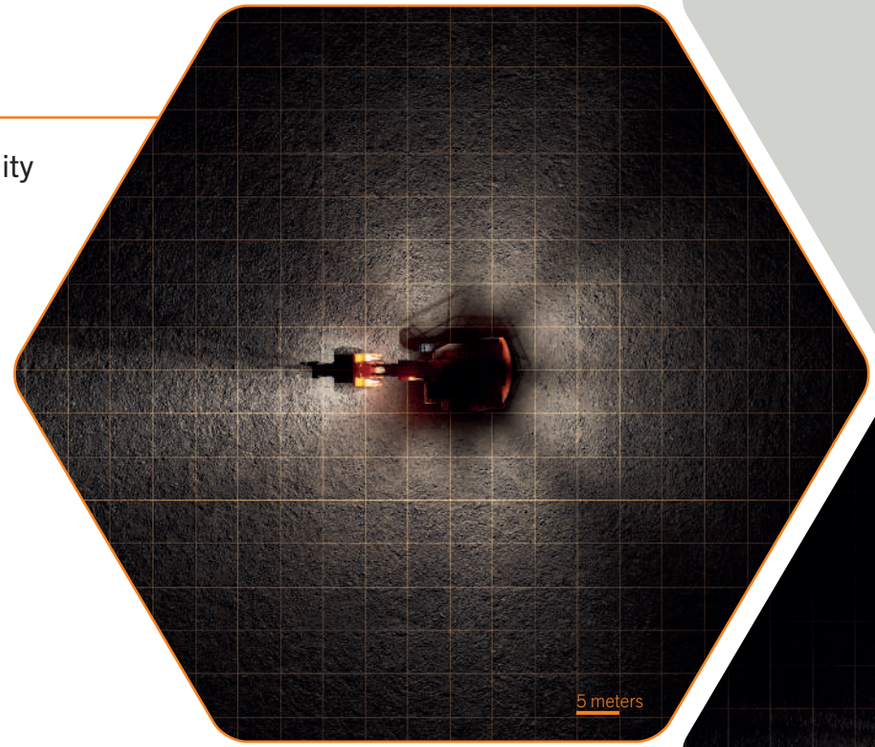
Seeing is believing

PROFESSIONAL

The professional setup provides excellent visibility thanks to nine powerful **Scorpius XTR 7500 QD** on the cabin and four **Scorpius XTR 3500 QD S** on the counterweight. At the same time, one **Scorpius XTR 4500 QD** on each side of the boom casts light exactly where it's intended, with the targeted illumination minimizing reflections.

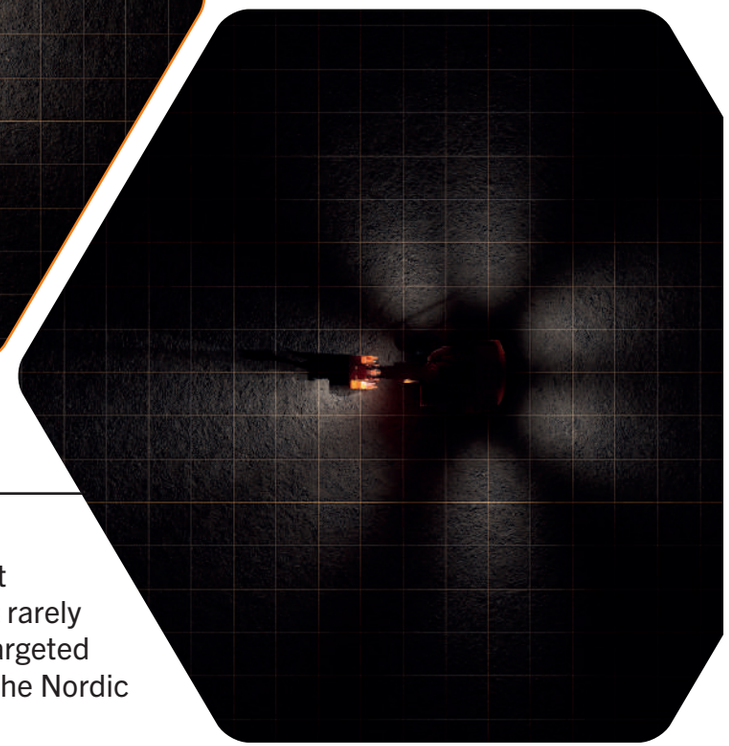
Meanwhile, three glare-free **Scorpius PRO 415 PH** illuminating stairs and walkways guarantee safe access to the vehicle.

Excellent visibility and even illumination all around the vehicle with Nordic Lights' optimized solution.



ORIGINAL

The original setup is what the vehicle comes equipped with when it rolls out of the factory. It provides you with general illumination which is rarely optimized. It does not feature our calculated targeted illumination nor the same optical solutions as the Nordic Lights professional setup.



Keep on trucking

Mining truck

THE OPTIMAL CHOICE

PROFESSIONAL SETUP

Choose Nordic Lights' professional setup* for unbeatable productivity and safety - your bottom line will shine. The XTR Series lights feature excellent color rendering, optimal color temperature and clever optical solutions to minimize reflections and glare.

Add strategically placed service lights for glare-free illumination of walkways and stairs.

With these work lights on your mining truck you will:

- Notice potential dangers and stop your truck in time
- Improve visibility to the sides
- Eliminate disturbing glare for oncoming traffic

*In this light optimization example we used a 386 tonne (GVW) mining truck.

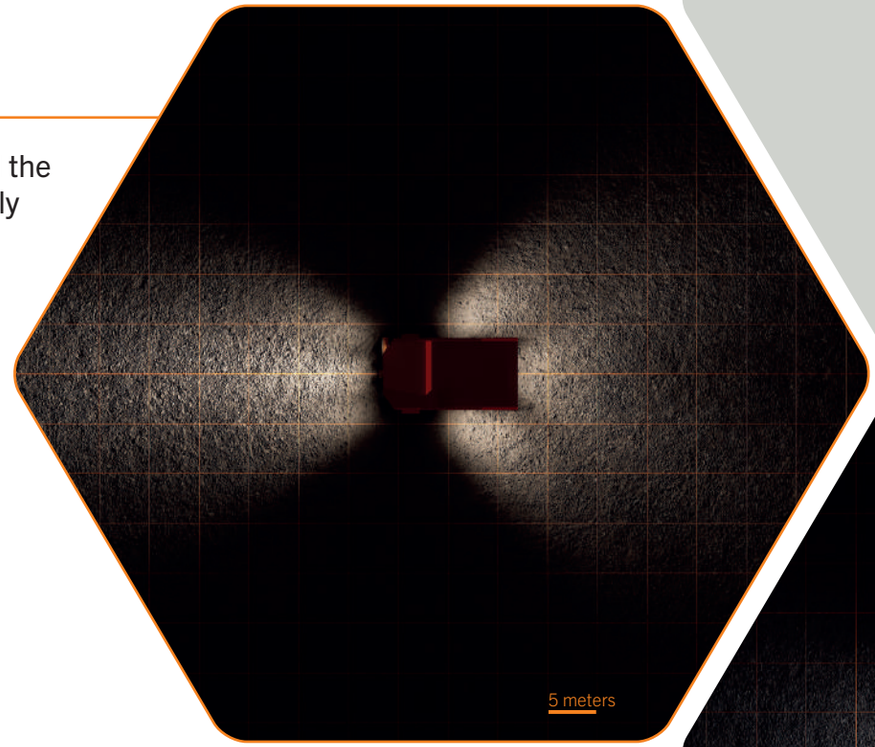
Check this out

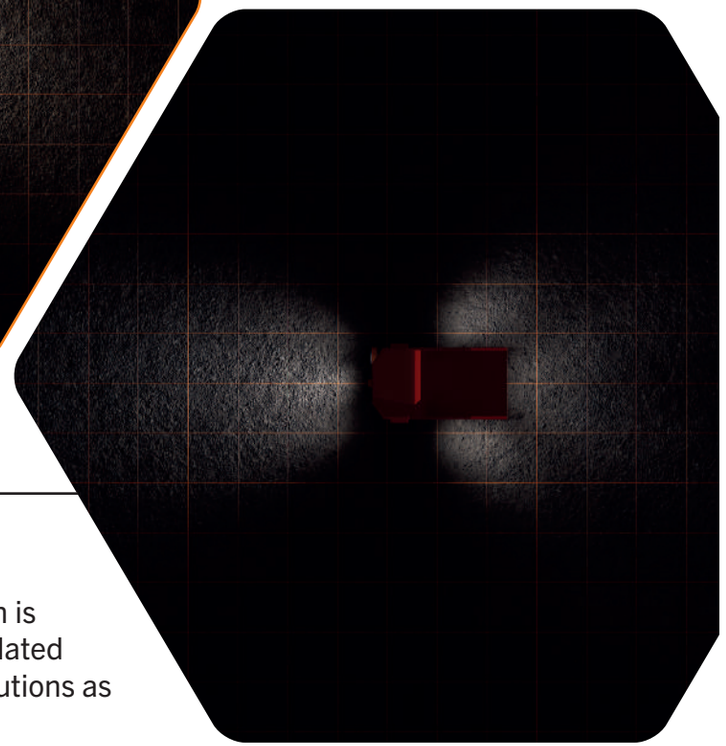
PROFESSIONAL

This setup provides optimal illumination around the vehicle. Four **Scorpius XTR 3500 QD S** efficiently illuminating to the sides and backwards. In the front four **Scorpius XTR 4500 QD** high beams for long distance illumination. In addition, four **Scorpius XTR 3500 QD S** used as low beams to eliminate disturbing glare for oncoming vehicles. Extremely vibration resistant, these work lights last long, even when your mining truck is exposed to the severest vibration.

Two strategically placed **Scorpius PRO 415 PH** make sure that operators can safely access the vehicle without being blinded by glare.

Having the best possible visibility is of the utmost importance to avoid accidents.





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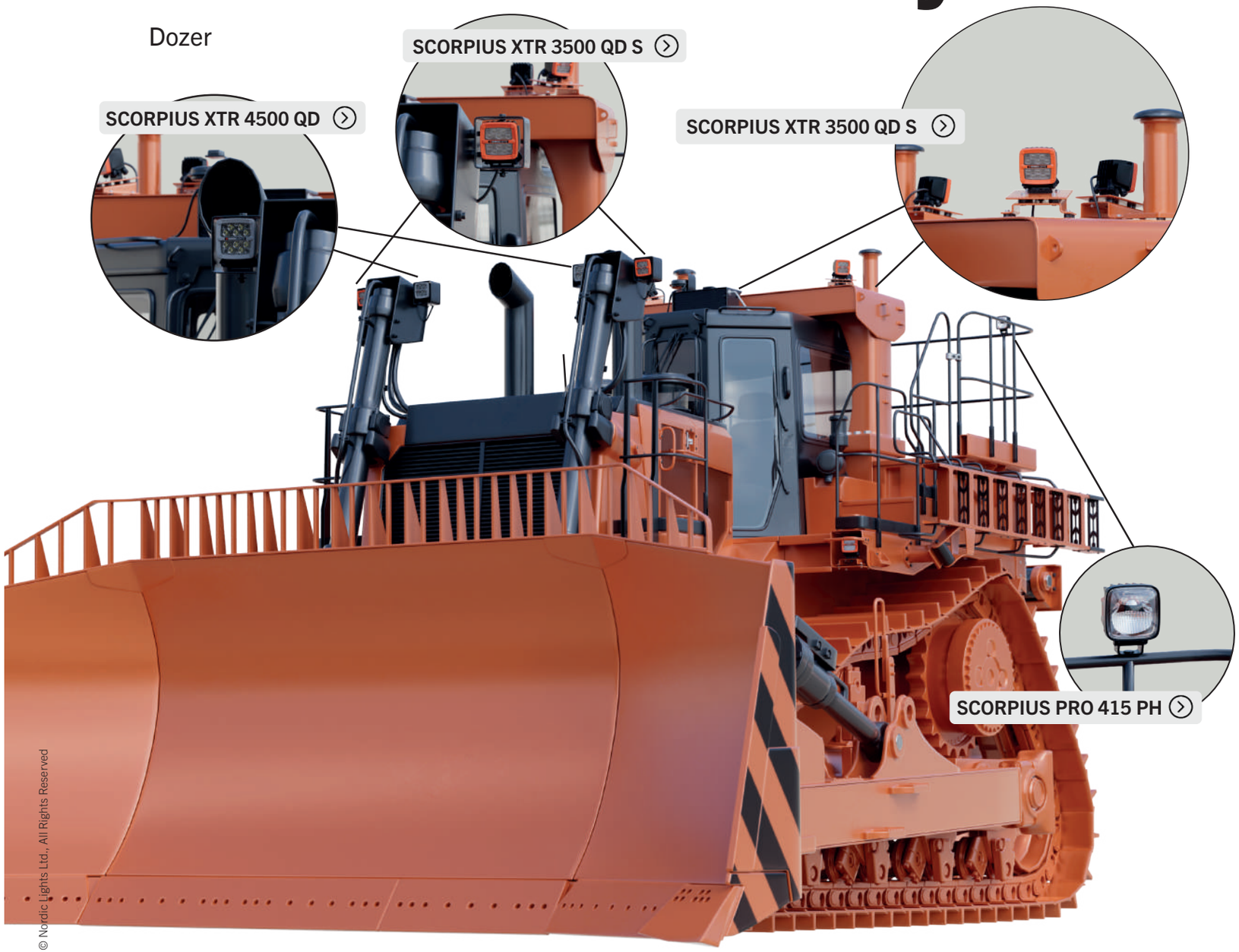
The dozer is no doozy

Dozer



THE OPTIMAL CHOICE

PROFESSIONAL SETUP

Choose Nordic Lights' professional setup* for unbeatable productivity and safety - your bottom line will shine. The **XTR Series** lights feature excellent color rendering, optimal color temperature and clever optical solutions to minimize reflections and glare.

Add service lights from the **PRO Series** for glare-free access to the vehicle.

With these work lights on your dozer you will:

- Minimize downtime thanks to lights that endure extreme vibrations
- Reduce reflections from the blade
- Get even illumination exactly where you need it, with no sharp contrasts between light and dark

*In this light optimization example we used a 105 tonne dozer.

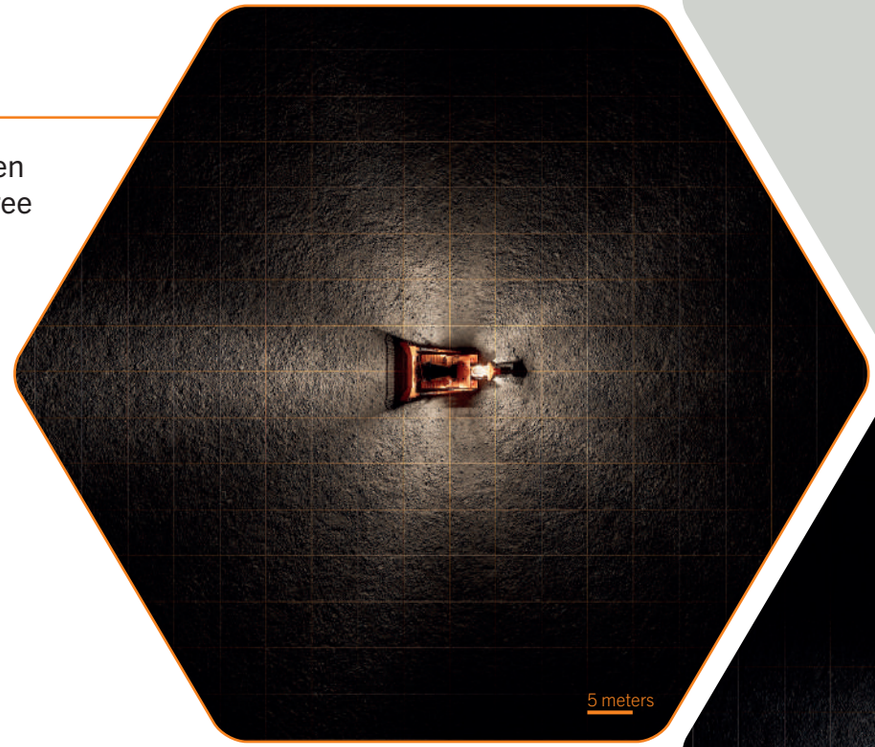
Lights that are spot-on

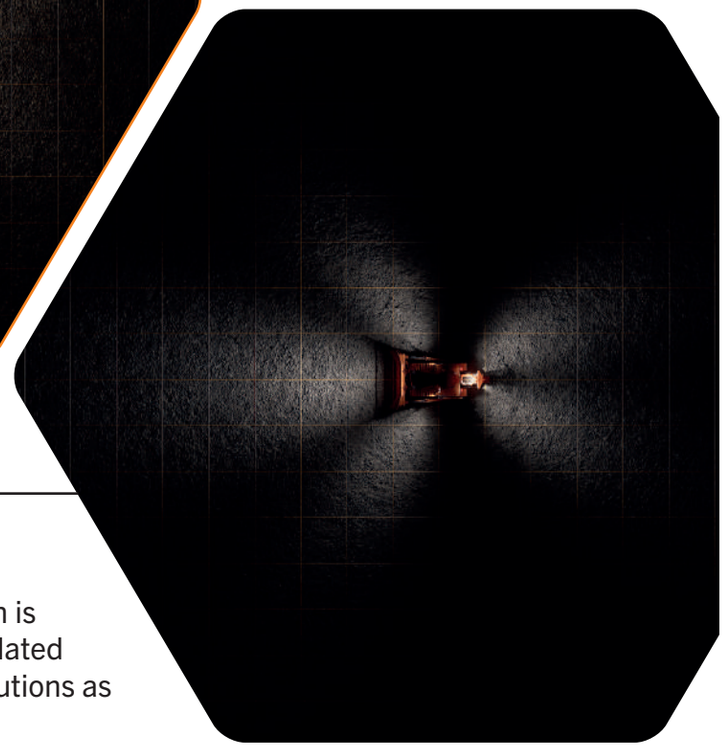
PROFESSIONAL

Excellent visibility all around the vehicle. Thirteen powerful **Scorpius XTR 3500 QD S** for a glare-free experience, and as driving lights two **Scorpius XTR 4500 QD** High Beam and two glare-free **XTR 3500 QD S** as low beams. All of these are equipped with ultra-resistant QD damping to make sure that they last long.

The strategically placed **Scorpius PRO 415 PH** make sure that operators and personnel can safely move about on the vehicle without being blinded by glare.

The illumination is even all around the vehicle, resulting in a safe and efficient work area.





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Top-grade lighting

Grader

THE OPTIMAL CHOICE

PROFESSIONAL SETUP

Choose Nordic Lights' professional setup* for unbeatable productivity and safety - your bottom line will shine. The XTR Series lights feature excellent color rendering, optimal color temperature and clever optical solutions to minimize reflections and glare.

Motor grader operators can work effectively when the area around the moldboard is well-illuminated. Both forward and backward visibility is excellent, and no glare or disturbing reflections are present. Paving the way for the rest of the mining vehicels will be a walk in the park.

With these work lights on your grader you will:

- Have excellent illumination around the moldboard
- Achieve a perfect finish
- Be visible to vehicles of any size

*In this light optimization example we used a 75 tonne grader.

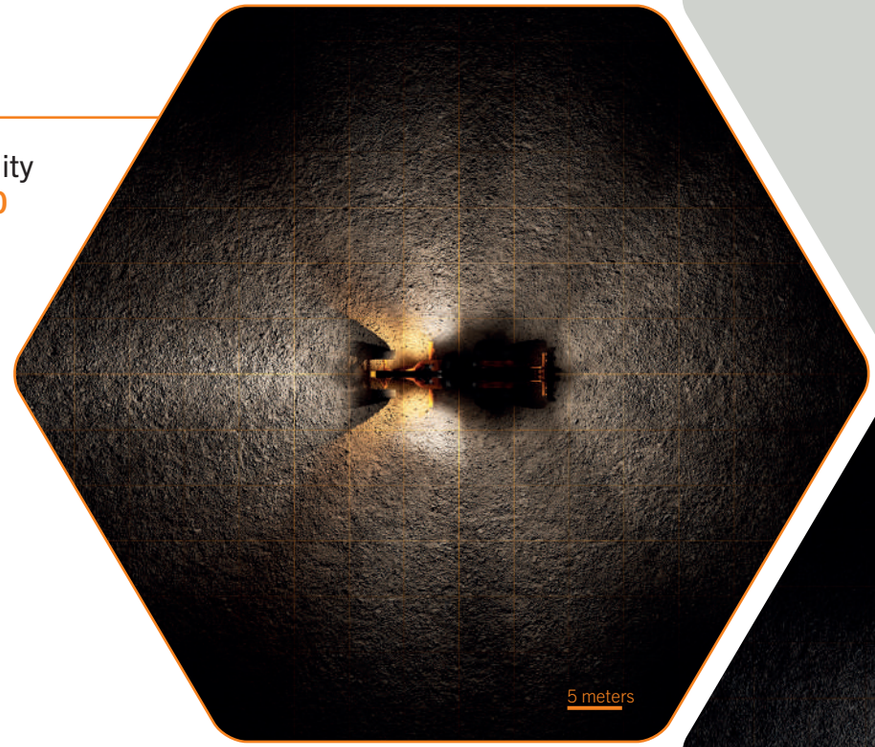
Time for an upgrade

PROFESSIONAL

The professional setup provides excellent visibility and no glare thanks to eight **Scorpius XTR 3500 QD S** illuminating in front of and behind the vehicle. Functioning as driving lights, the **Scorpius XTR 4500 QD** High Beam and the glare-free **XTR 3500 QD S** make sure that you see and are seen.

Four strategically placed and angled work lights on each side of the grader deliver excellent illumination around the moldboard. Two **Scorpius XTR 4500 QD** and two **XTR 4000 QD WARM** let you see through the dust.

With a professional setup planned for the specific machine and purpose, the result is a perfectly illuminated work area.



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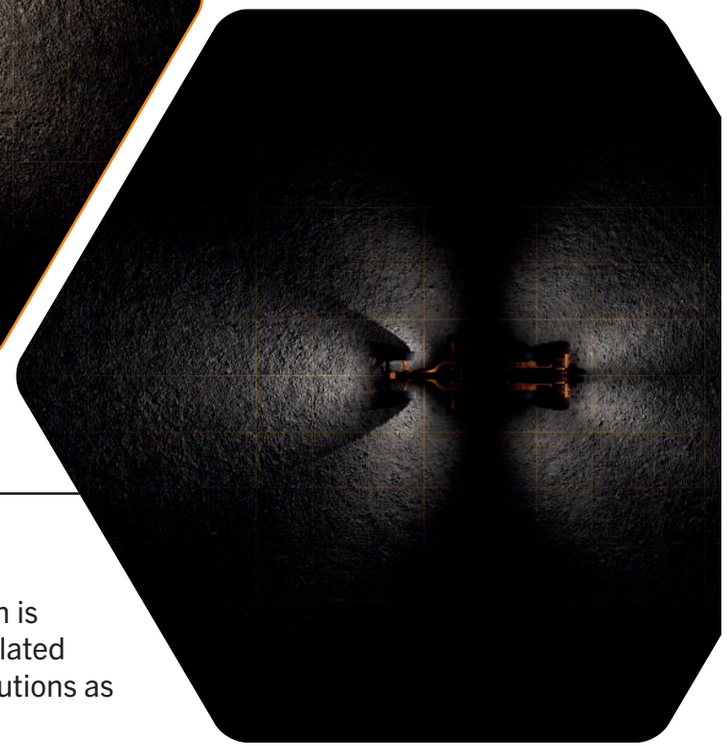


Colored bezels for easy identification of installed light pattern

In demanding mining environments, time is everything. Colored bezels are a smart and simple way to ensure instant recognition of the light patterns installed on any machine. This will make maintenance a breeze, and guarantee your fleet operates with the correct and optimized illumination.

Installing the wrong light pattern can lead to poor visibility or glare, compromising safety and operator comfort. Whether you are a fitter in the workshop or an operator moving around the machine, with the colored bezels a glance is all it takes to confirm the correct light pattern. There will be no guesswork, you will reduce errors and speed up maintenance.

The Scorpius XTR 2500-5500 work lights utilize the following colors: Orange = Glare-Free, Black = Wide Flood, Gray = High Beam.

The Glare-Free light pattern features specialized optics that reduce glare for other traffic and operators. Designed for safety and comfort, it can be used as a work light or a driving light.

The long-range, high-intensity light pattern used for seeing far ahead is the High Beam. While the Wide Flood is used for wider illumination where glare does not pose a risk.

Recommended for mining

Wide Flood

High Beam

Glare-Free

Also available

Flood

Easy identification of light pattern

DO's

+ Utilize colored bezel work light to immidiately identify light patterns, and follow the fixed bezel color coding across all machines.

+ Avoid downtime by eliminating guesswork when replacing or inspecting lights.

+ Train teams and operators on the bezel color code and ensure that operations run smoothly.

DON'Ts

- Don't just assume which light pattern is installed. Verify through the bezel color.

- Do not risk downtime due to incorrect work light installation or mismatched replacements.

- Don't mix up light patterns. Using a High Beam in a close-range zone or a regular work light where glare-reduction is critical could pose risks.

Glass lens to avoid downtime

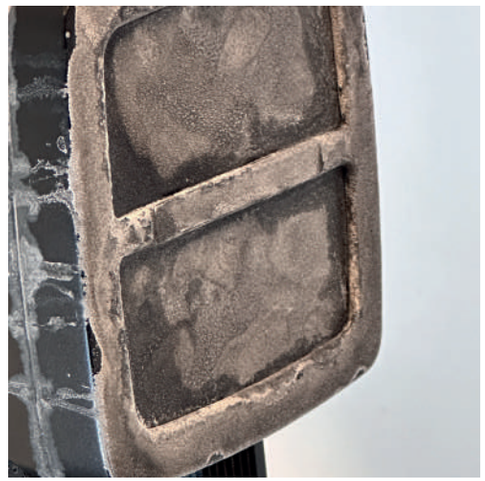
Unplanned downtime is the most costly thing that can happen in a mine. For lights with a high lumen output, choose a glass lens to avoid downtime due to melting lens issues.

In mining, there is usually little to no time for washing work lights mounted on the vehicles, as they are constantly in use on sites operational 24/7. Over time, dirt accumulates on the lens of the work light, forming a layer. Sooner or later, the layer of dirt becomes so thick that no light or heat from the LED chips can escape through the plastic lens, and the lens itself melts.

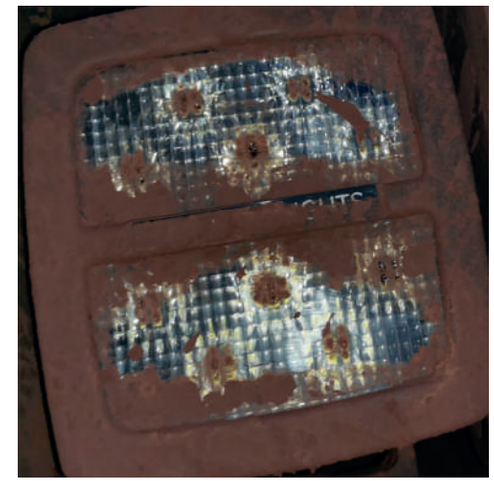
The user usually notices the melted lens during maintenance checks, when they are servicing the vehicle and its equipment. If the lens is melted completely through, the light will also let in moisture, damaging the LED chips and circuit board, making the light unusable.

Our tempered glass lenses solve these problems by being extremely resistant to heat, chemicals, and UV light. When the time comes, they can also be cleaned with confidence.

Tempered glass



Plastic



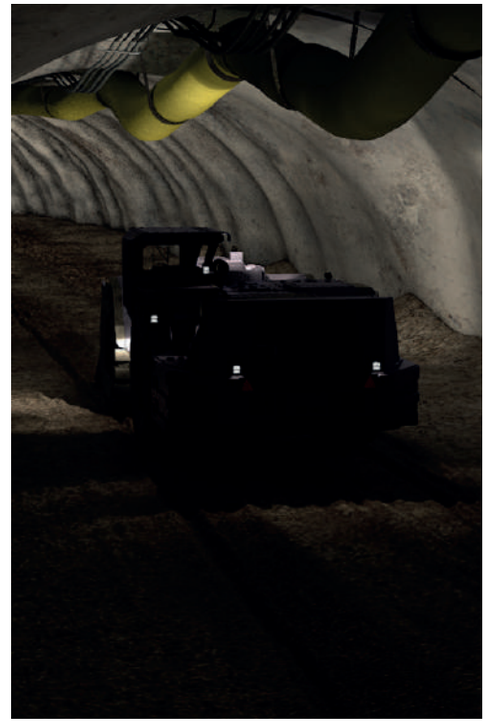
Glass lens to avoid downtime

DO's

+ Utilize the heat resistance of glass.

+ Avoid downtime due to melting lenses.

+ Lower maintenance costs and ensure that operations run smoothly.



DON'Ts

- Don't trust plastic lenses for powerful work lights used in a mine.

- Do not risk downtime due to insufficient lighting.

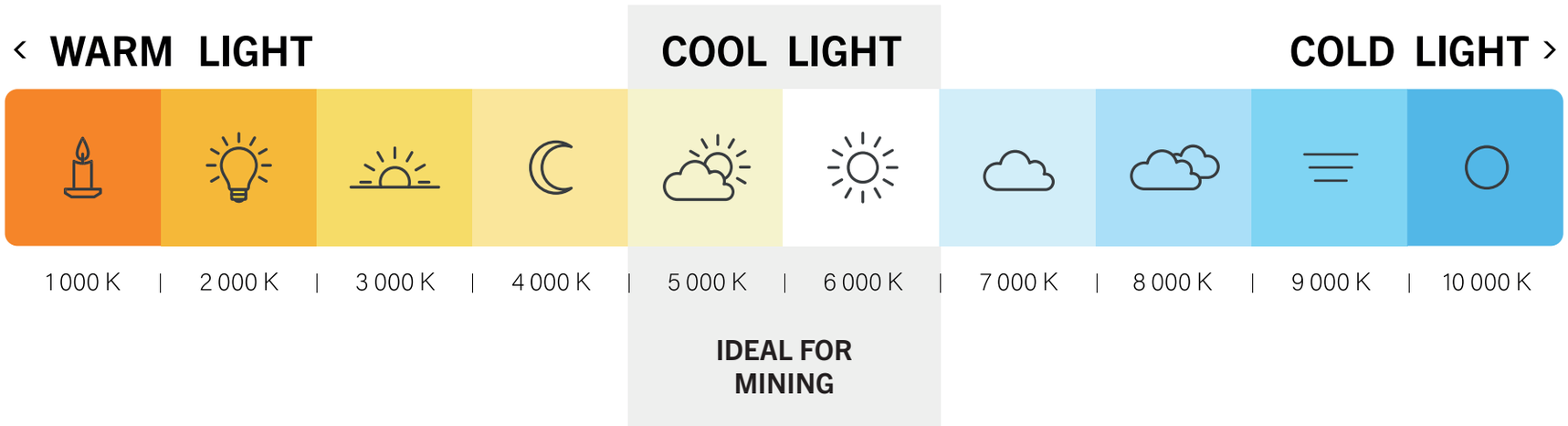
- Do not put your employees in danger by using lights with lenses that break easily.

Boost productivity with the right color

Color temperature, or CCT for short, defines the color appearance of light and is measured in Kelvin (K). It tells you whether the light is “warm” (yellow/red) or “cold” (blue). A burning candle has a color temperature of about 1800K (very warm), while a clear blue sky can be up to 10 000K (very cold). CCT impacts how bright a light is perceived when looked at straight on, but it is NOT a measurement of brightness.

Our lights for mining max out at 5700 Kelvin, making them an ideal “cool” CCT, like working in daylight. This color temperature energizes operators, reduces eye strain and general fatigue, and keeps personnel alert for longer periods of time, increasing efficiency.

Overly cold light (blue light) strains the eyes while extremely warm light (red light) makes operators tired since it increases melatonin production in the central nervous system. Since both can lead to accidents, it is important to strike the right balance in color temperature.



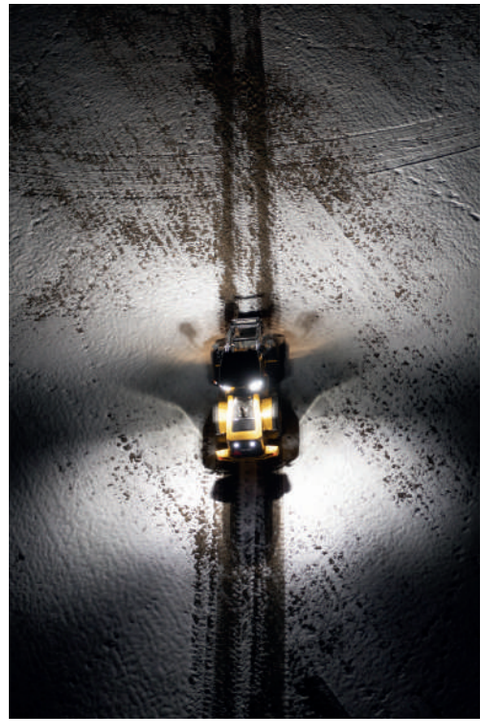
Boost productivity with the right color

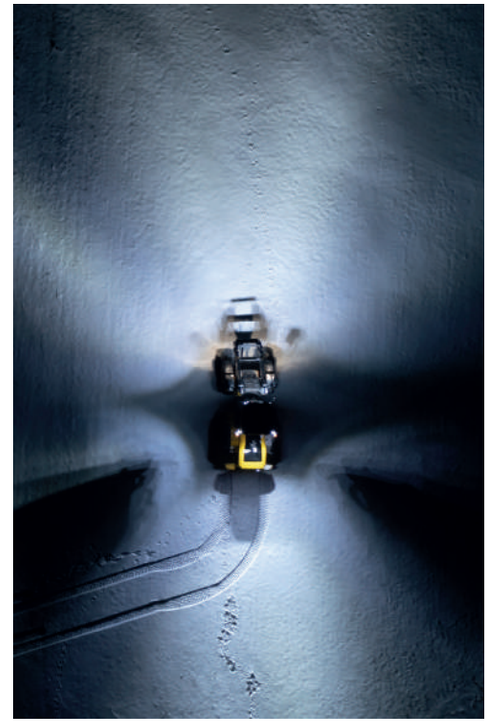
DO's

+ Use work lights in the 5000-5700 kelvin range to keep operators more alert and shorten reaction time.

+ Use cool color temperatures similar to daylight to boost the performance of the operators.

+ Minimize the operators' eye strain and general fatigue by choosing a color temperature similar to daylight.





DON'Ts

- Do not use work lights over 5700K in visually challenging environments. Instead, opt for a warmer color temperature.

- Avoid using lights with overly cold color temperatures. Such lights produce inaccurate colors with too much contrast between light and dark, which causes eye strain.

- Do not assume that an overly cold color temperature light is better, simply because it is perceived as brighter. From an operator's perspective, the illumination will not deliver optimal visibility.

Apply the benefits of high CRI

CRI, or Color Rendering Index, measures a light's ability to reproduce colors of objects compared to sunlight. CRI is measured between 0 and 100, with higher values meaning more accurate color rendering. We make lights with a minimum CRI of 80. For comparison, the CRI of the sun is 100.

A high CRI light helps operators identify the correct materials and their respective colour differences on the mining site. Operators will avoid accidents caused by inconsistent CRI, and thus reduce downtime and redoing of the same tasks. A high CRI light setup helps operators make the right decisions at critical moments.

Good CRI

Bad CRI

Apply the benefits of high CRI

DO's

+ Aid operators in making critical decisions by accurately reproducing shades of colors. Move the correct materials and avoid digging into pipes and cables.

+ Utilize high CRI to maximize the workflow and safety of the mining site.

+ Use high CRI lights to increase the situational awareness of operators on busy sites.

DON'Ts

- Do not think that brighter lights will result in more accurate colors.

- Do not choose colder temperature lights to get more vibrant colors – it doesn't work.

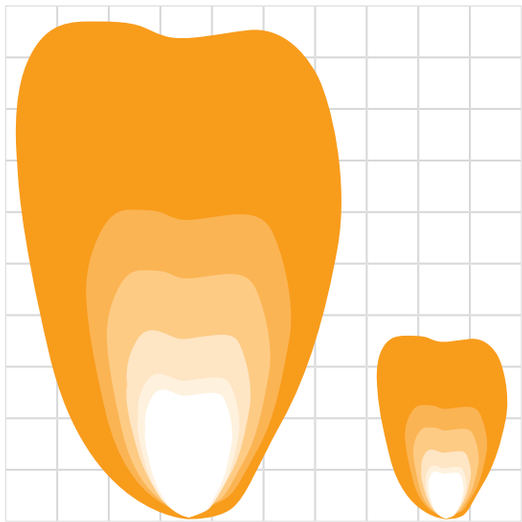
- Don't underestimate the importance of CRI – bad lighting slows down your business.

Measuring and selecting light patterns

To determine the light pattern fit for your vehicle, it is important to consider the surrounding circumstances. Are you working in an underground mine, or paving the way for a large-scale mining project? Do you need to light up long distances, or are you looking for excellent near-field illumination? In any case, you will need to choose a suitable pattern for your light.

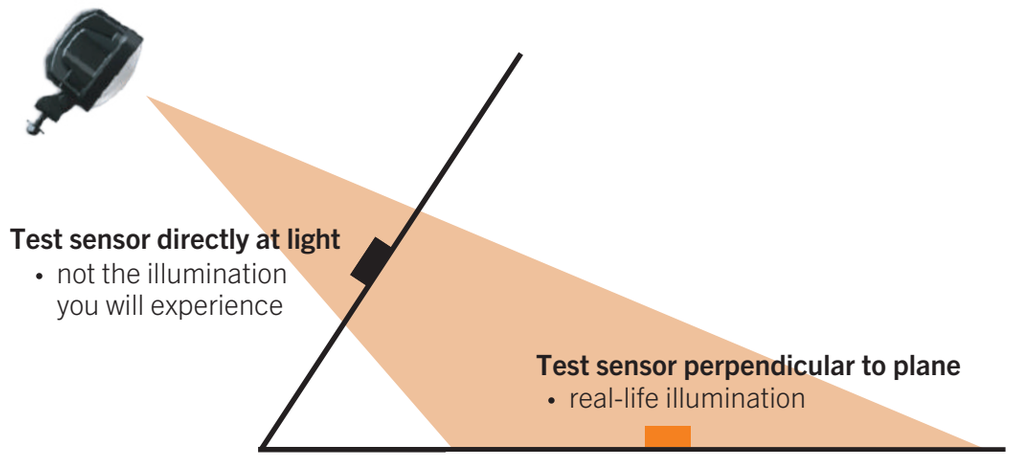
How a light pattern looks in the field depends on how and where you install the light. We present the light patterns of our work lights with the light tilted at a -17° angle at 3 m height, and always with the test sensor perpendicular to the test plane. We choose to present our light patterns using this method because, in our opinion, it is the more realistic of the two.

Many light manufacturers present their light patterns with the test sensor pointed directly at the light. This will result in better-looking presentation of the pattern (bigger areas illuminated). It will not depict how much light is actually hitting the work area.



Test sensor directly at light

Test sensor perpendicular to plane



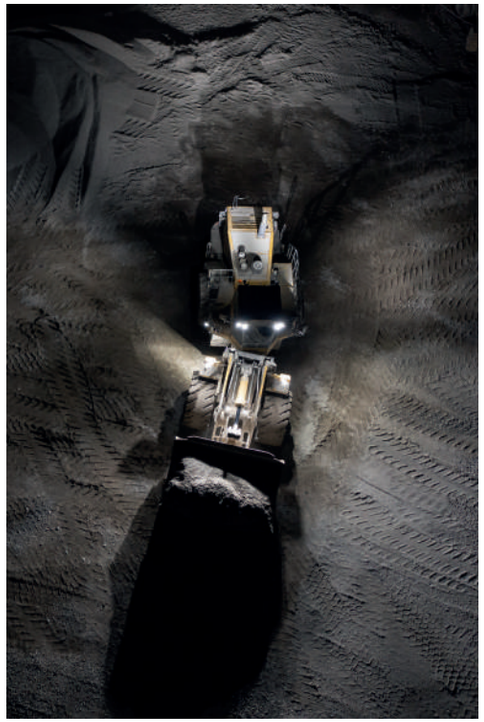
Measuring and selecting light patterns

DO's

+ Pick the right light pattern for the task. Not all patterns are created equal.

+ Trust our experts – our professional upgrade package already ensures even illumination.

+ Compare correctly. Check how the manufacturer measures the illumination.



DON'Ts

- Do not forget about the ways to measure. We show the illumination as you will experience it in the field.

- Don't look solely at theoretical data – our simulated comparisons illustrate the differences.

- Don't focus on the light pattern of a single product – look at the light distribution of the entire setup.

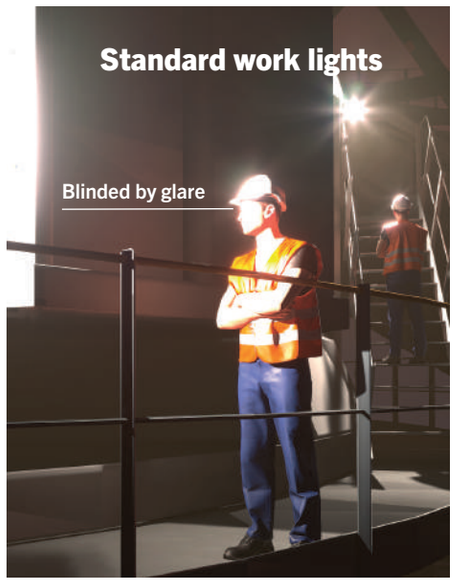
A glare-free work environment

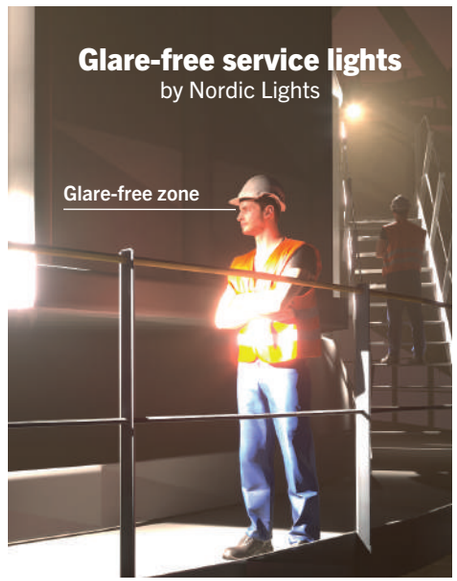
Standard work lights can cause visibility issues and dangerous situations due to glare. Blinding lights lead to costly mistakes and delays, directly impacting the success of your mining operations. We offer you different ways to tackle glare on the mining site and achieve a safe environment for multi-machine operations. The end-results are fewer accidents, less downtime, and a more efficient workflow.

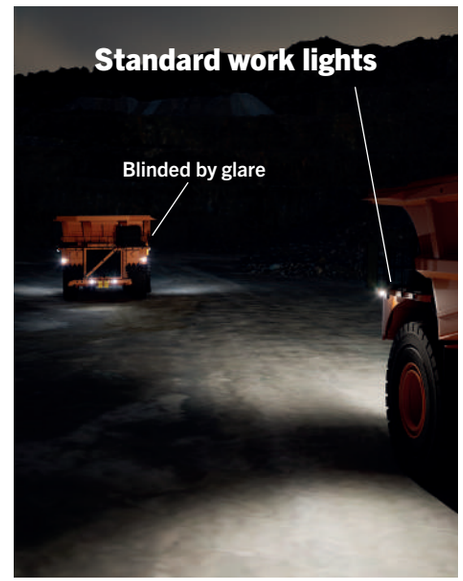
To create a glare-free work environment, we recommend the Scorpius XTR 3500 QD S and the Scorpius PRO 415 PH. Featuring a clear cut-off line, these lights eliminate glare on eye-level and provide excellent illumination of the work area with no stray light.

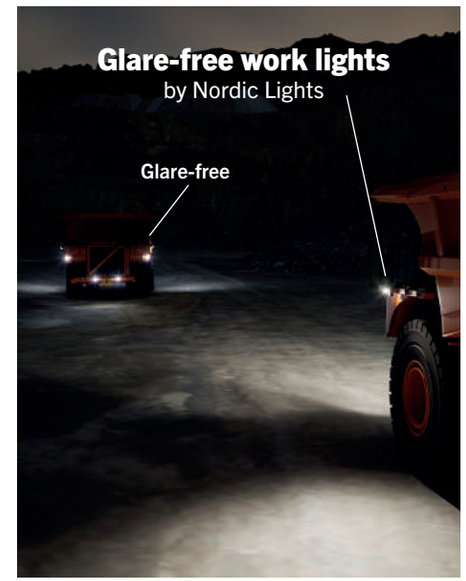
The Scorpius XTR 3500 QD S is a perfect match for mining vehicles where you gain from glare-free illumination in all directions. The clever thing about the optical solution in this light – it allows it to be used as a work light or driving light. No glare for oncoming vehicles, and minimized eye strain for operators, even during long shifts.

When mounted as service lights to illuminate walkways and stairs, the Scorpius PRO 415 PH make sure that operators and personnel can safely move about on the vehicle without being blinded by glare.









A glare-free work environment

DO's

+ Ensure safety and efficiency with a glare-free work site.

+ Notice the boost in productivity and decrease in accidents.

+ Trust the recommended positioning of the lights. The professional setups feature efficient forward illumination with glare-free lighting in the proper positions.

DON'Ts

- Don't cover or tilt your standard work light. Instead look for a work light with built-in technology and a well designed cut-off line.

- Do not underestimate the negative impact of glare – it affects people on and around the mining site.

- Avoid thinking that more lumens equals better illumination of the work area. What matters is the amount of light on the desired area.

PROFESSIONAL SELECTION

- Scorpius XTR 3500 QD S
- Scorpius XTR 10500 QD
- Scorpius XTR 7500 QD
- Scorpius XTR 5500 QD
- Scorpius XTR 4500 QD
- Scorpius XTR 4000 QD WARM
- Scorpius XTR 3500 QD
- Scorpius XTR 2500 QD
- Scorpius PRO 415 PH
- Pictor 620
- Taurus N7201
- Bumblebee
- Sculptor 2
- Corona 400

Work lights for mining need to be tough, long-lasting and provide excellent illumination. For ultimate productivity and safety, we recommend a professional setup that includes lights suitable for harsh conditions.

All of our work lights for mining have the following specifications in common:

For more specifications, check the product pages.

Glare-free for work in multi-machine operations

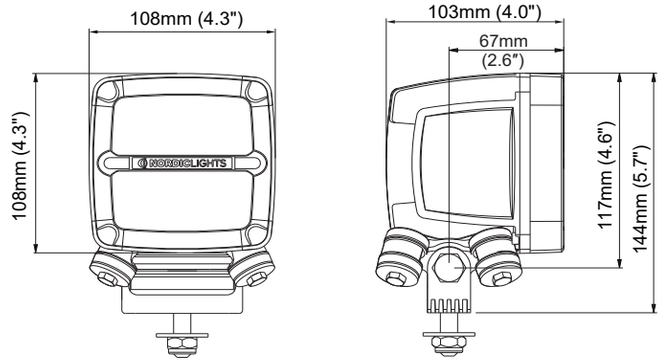
The **Scorpius XTR 3500 QD S** is a perfect match for any mining vehicle. Thanks to the expertly designed optics this work light can be used as a work light or driving light. It is powerful enough to illuminate in all directions. Used as a low beam it delivers visibility over the safe-stop distance, as well as perfect near-field illumination in front of the vehicle. You will have a complete glare-free zone around the vehicle, and superb task lighting which can be adapted to the specific task or operators' needs by adjusting the tilt angle of the lights.

You can equip your whole fleet for work in multi-machine operations with these lights. Visibility will be maintained, and operators of vehicles in the vicinity will not be blinded by glare.

Scorpius XTR 3500 QD S

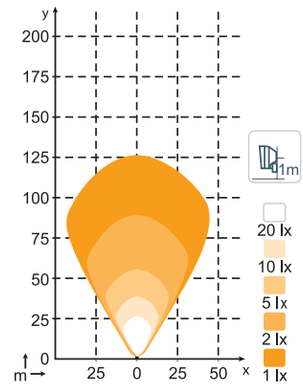
TECHNICAL SPECIFICATIONS	SCORPIUS XTR 3500 QD S
Theoretical / Operational Lumens	4500lm / 3500lm
Power Consumption	52W
Vibration	20Grms 10-2000Hz, 4.65Grms 12-2000Hz
Nominal Current	24V=2.0A

DRAWINGS



LIGHT PATTERNS

Scorpius XTR 3500 QD S, 3500lm
Glare-Free



Glare-free for work in multi-machine operations

What you gain

- No glare for any vehicle on and around the mining site.
- Minimized eye strain for operators, even during long shifts.
- Fewer accidents, less downtime, and a more efficient workflow.
- Task lighting that can be adapted to the specific task or operators' needs by adjusting the tilt angle.
- No stray light, but optimized light output focused on the work area, thanks to the clear cut-off line.

See the difference - Glare-free vs. standard work light

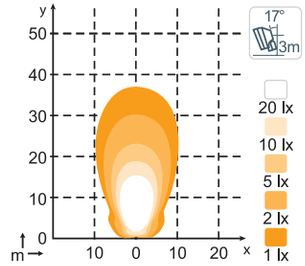
The 10 500 lumens powerhouse

Scorpius XTR 10500 QD

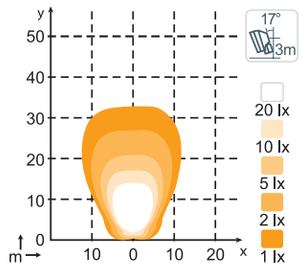
TECHNICAL SPECIFICATIONS	SCORPIUS XTR 10500 QD
Theoretical / Operational Lumens	16800lm / 10500lm
Power Consumption	100W
Vibration	15.3Grms 24-2000Hz, 4.65Grms 12-2000Hz
Nominal Current	24V=4.2A

LIGHT PATTERNS

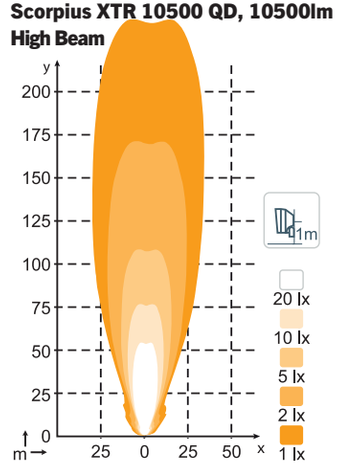
Scorpius XTR 10500 QD, 10500lm Flood



Scorpius XTR 10500 QD, 10500lm Wide Flood

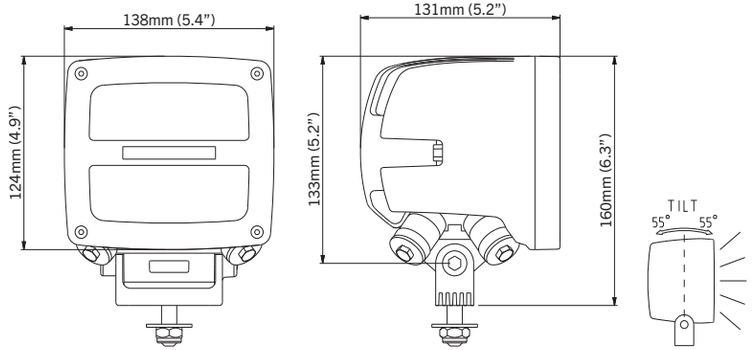


Scorpius XTR 10500 QD, 10500lm High Beam



Also available in Low Beam, find the details on our website nordiclights.com/products

DRAWINGS



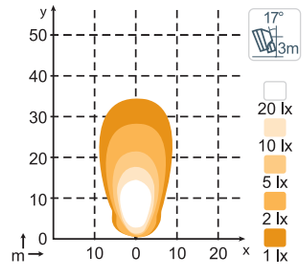
The 7000 + lumens powerhouse

Scorpius XTR 7500 QD

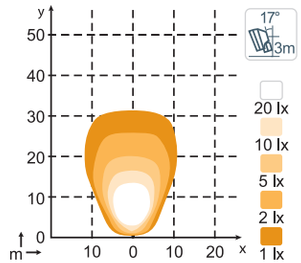
TECHNICAL SPECIFICATIONS	SCORPIUS XTR 7500 QD
Theoretical / Operational Lumens	11800lm / 7400lm
Power Consumption	71W
Vibration	15.3Grms 24-2000Hz, 4.65Grms 12-2000Hz
Nominal Current	24V=2.96A

LIGHT PATTERNS

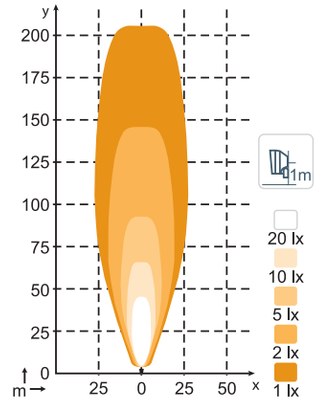
Scorpius XTR 7500 QD, 7400lm Flood



Scorpius XTR 7500 QD, 7400lm Wide Flood

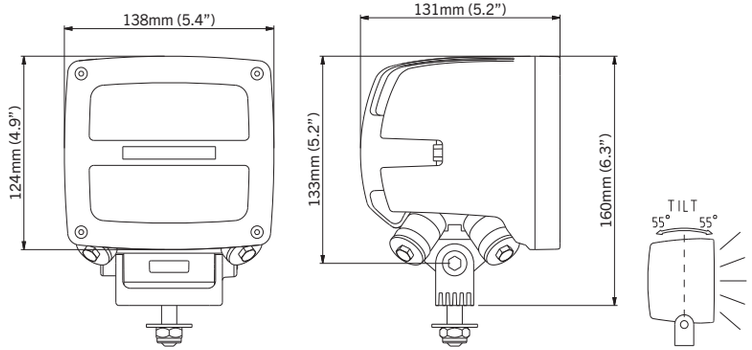


Scorpius XTR 7500 QD, 7400lm High Beam



Also available in Low Beam, find the details on our website nordiclights.com/products

DRAWINGS



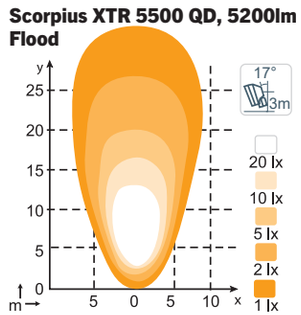
Premium work light with glass lens, ideal for mining

Scorpius XTR 5500 QD

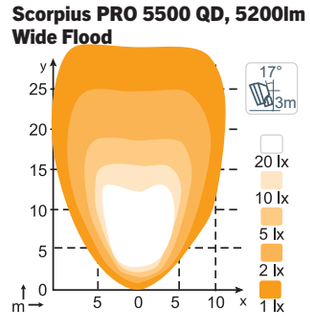
TECHNICAL SPECIFICATIONS	SCORPIUS XTR 5500 QD
Theoretical / Operational Lumens	8300lm / 5200lm
Power Consumption	52W
Vibration	20Grms 24-2000Hz, 4.65Grms 12-2000Hz
Nominal Current	24V=2.1A

LIGHT PATTERNS

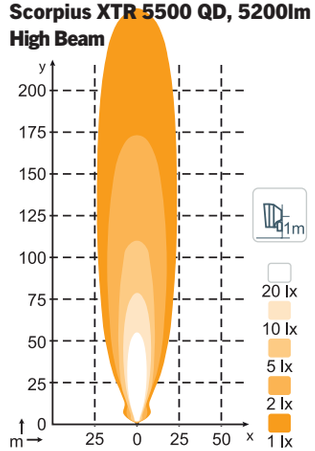
Scorpius XTR 5500 QD, 5200lm Flood



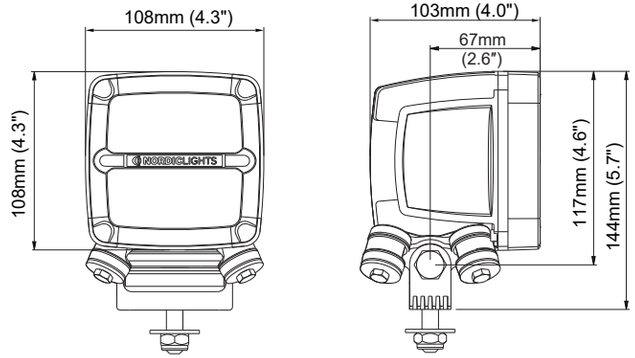
Scorpius PRO 5500 QD, 5200lm Wide Flood



Scorpius XTR 5500 QD, 5200lm High Beam



DRAWINGS



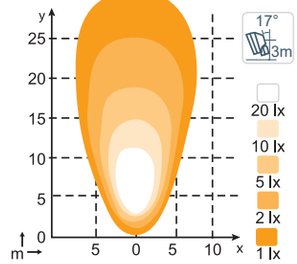
Premium work light with glass lens, ideal for mining

Scorpius XTR 4500 QD

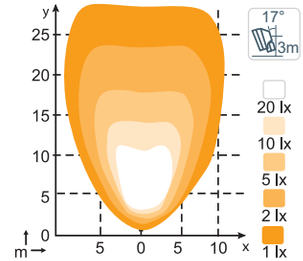
TECHNICAL SPECIFICATIONS	SCORPIUS XTR 4500 QD
Theoretical / Operational Lumens	6700lm / 4200lm
Power Consumption	40W
Vibration	20Grms 24-2000Hz, 4.65Grms 12-2000Hz
Nominal Current	24V=1.6A

LIGHT PATTERNS

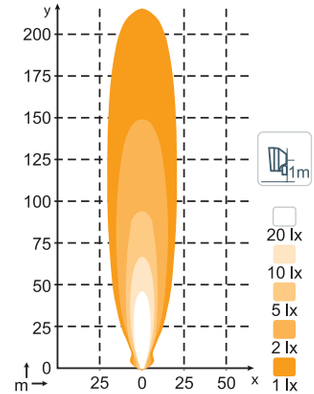
Scorpius XTR 4500 QD, 4200lm Flood



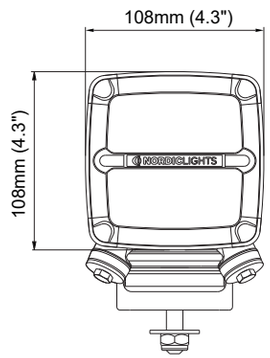
Scorpius XTR 4500 QD, 4200lm Wide Flood

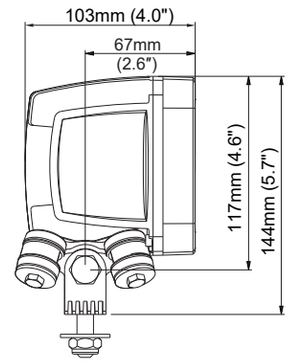


Scorpius XTR 4500 QD, 4200lm High Beam



DRAWINGS





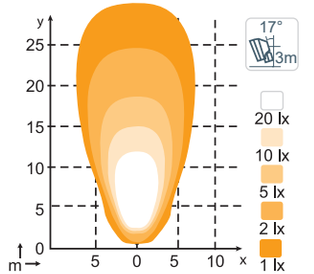
Color temperature 3000K, ideal for environments with dust and fog

Scorpius XTR 4000 QD WARM

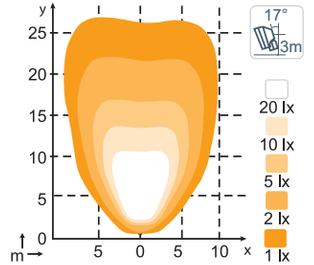
TECHNICAL SPECIFICATIONS	SCORPIUS XTR 4000 QD WARM
Theoretical / Operational Lumens	6100lm / 3800lm
Power Consumption	50W
Vibration	20Grms 24-2000Hz, 4.65Grms 12-2000Hz
Nominal Current	24V=2.0A

LIGHT PATTERNS

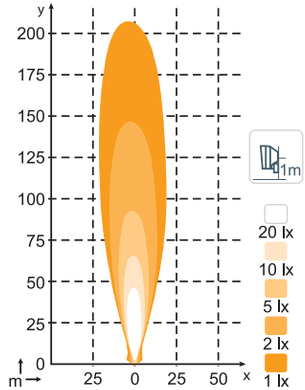
Scorpius XTR 4000 QD WARM, 3800lm Flood



Scorpius XTR 4000 QD WARM, 3800lm Wide Flood



Scorpius XTR 4000 QD WARM, 3800 lm High Beam



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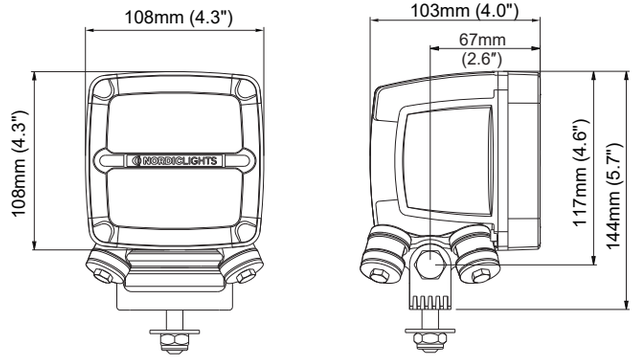


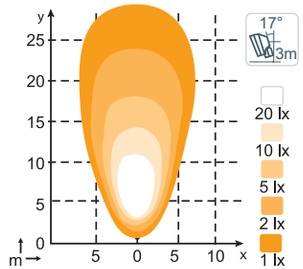
Premium work light with glass lens, ideal for mining

Scorpius XTR 3500 QD

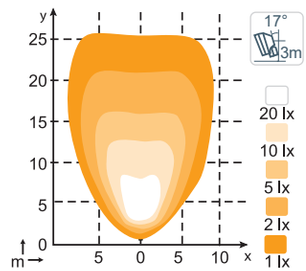
TECHNICAL SPECIFICATIONS	SCORPIUS XTR 3500 QD
Theoretical / Operational Lumens	5000lm / 3200lm
Power Consumption	28W
Vibration	20Grms 24-2000Hz, 4.65Grms 12-2000Hz
Nominal Current	24V=1.2A

LIGHT PATTERNS

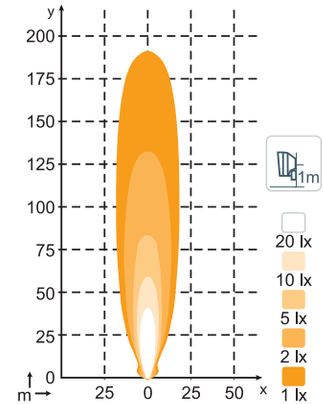
Scorpius XTR 3500 QD, 3200lm Flood



Scorpius XTR 3500 QD, 3200lm Wide Flood



Scorpius XTR 3500 QD, 3200lm High Beam



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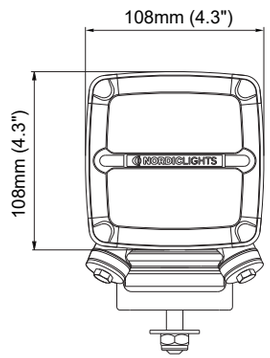
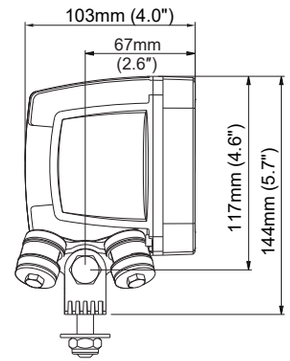




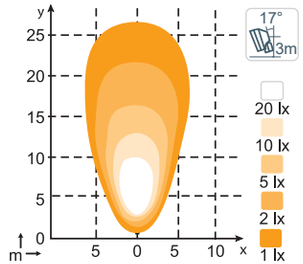
Premium work light with glass lens, ideal for mining

Scorpius XTR 2500 QD

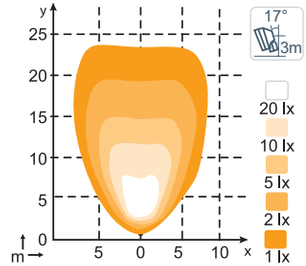
TECHNICAL SPECIFICATIONS	SCORPIUS XTR 2500 QD
Theoretical / Operational Lumens	3700lm / 2300lm
Power Consumption	19W
Vibration	20Grms 24-2000Hz, 4.65Grms 12-2000Hz
Nominal Current	24V 0.8A

LIGHT PATTERNS

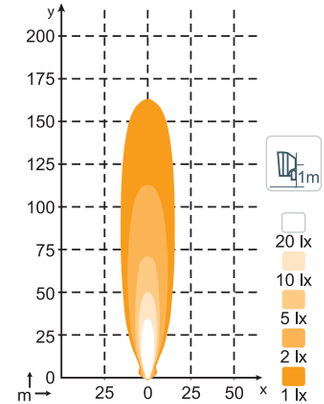
Scorpius XTR 2500 QD, 2300lm Flood



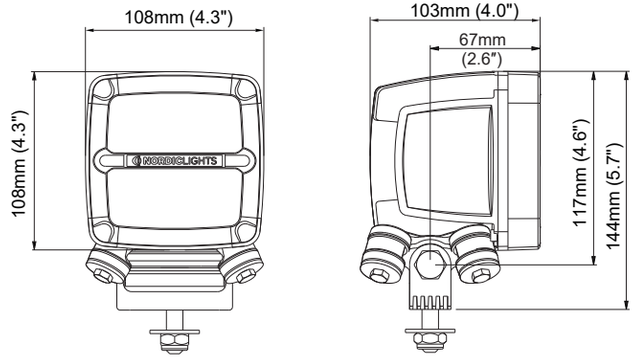
Scorpius XTR 2500 QD, 2300lm Wide Flood



Scorpius XTR 2500 QD, 2300lm High Beam



DRAWINGS



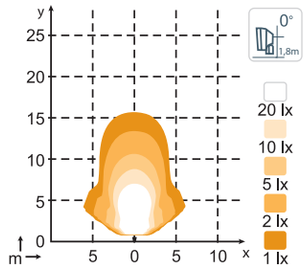
Glare-free light for safe access to mining vehicles

Scorpius PRO 415 PH

TECHNICAL SPECIFICATIONS	SCORPIUS PRO 415 PH
Theoretical / Operational Lumens	1950lm / 1500lm
Power Consumption	28W
Vibration	8Grms 24-2000Hz
Nominal Current	24V=1.2A, 12V=2.4A

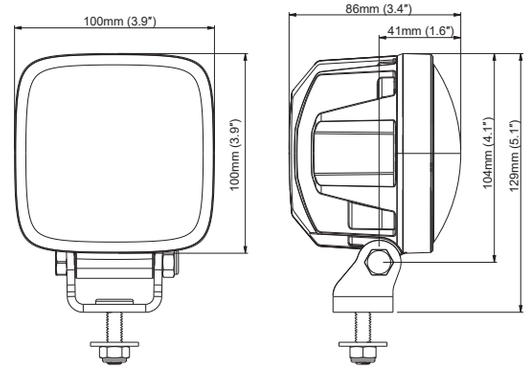
LIGHT PATTERNS

Scorpius PRO 415 PH, 1500lm Glare-Free



Also available in a top-down version, find the details on our website nordiclights.com/products

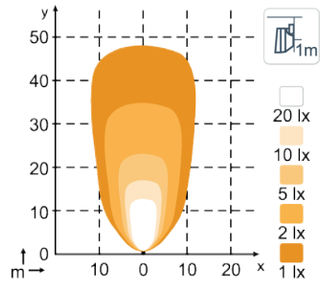
DRAWINGS



Low-profile work light with targeted illumination

LIGHT PATTERNS

Pictor 620, 1800lm
Flood TD US



PROJECTION ANGLE

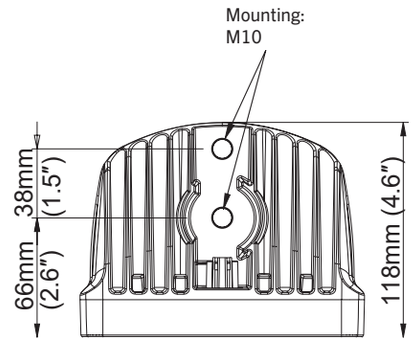
TT DS (Top Top)
Light Pattern: Downstream

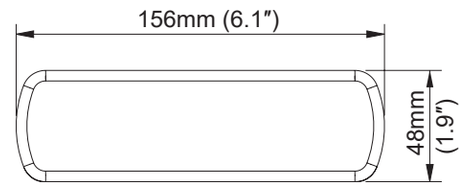
TD US (Top Down)
Light Pattern: Upstream

Pictor 620

TECHNICAL SPECIFICATIONS	PICTOR 620
Theoretical / Operational Lumens	2700lm / 1800lm
Power Consumption	28W
Vibration	15.3Grms 24-2000Hz
Nominal Current	24V=1.0A, 12V=2.0A

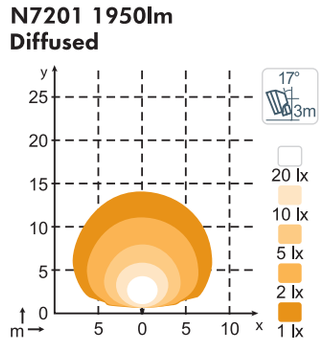
DRAWINGS





Light designed to minimize shadows, perfect for engine rooms

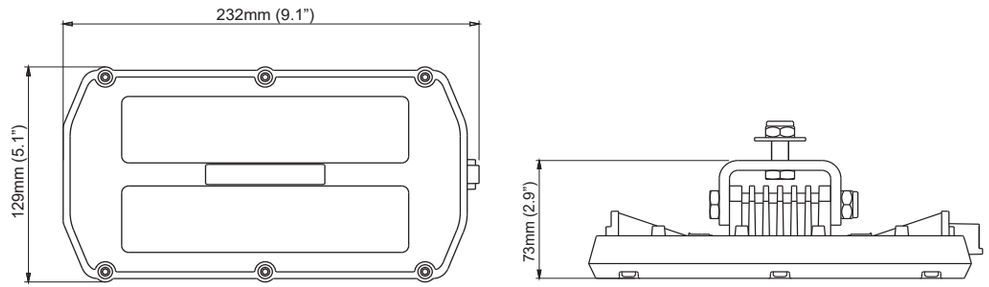
LIGHT PATTERNS



Taurus N7201

TECHNICAL SPECIFICATIONS	TAURUS N7201
Theoretical / Operational Lumens	3100lm / 1950lm
Power Consumption	30W
Vibration	15.3Grms 24-2000Hz
Nominal Current	24V=1.25A, 12V=2.5A

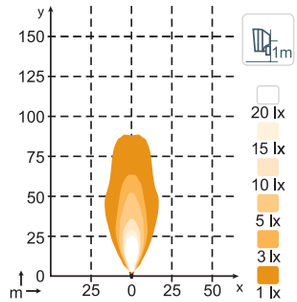
DRAWINGS



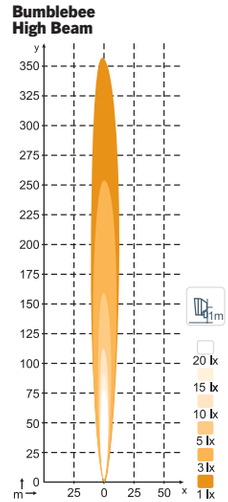
Headlight module with an even, streak-free light pattern

LIGHT PATTERNS

Bumblebee
Low Beam (Symmetric)



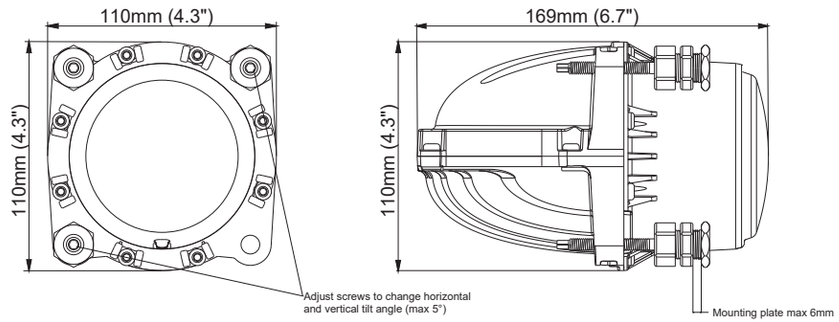
Bumblebee
High Beam



Bumblebee

TECHNICAL SPECIFICATIONS	BUMBLEBEE
Color Temperature	5800K
Power Consumption	High Beam 18W, Low Beam 18W
ECE Approvals	High Beam: ECE R149 Low Beam Symmetric: ECE R149
Material Housing / Lens	Aluminum / Glass

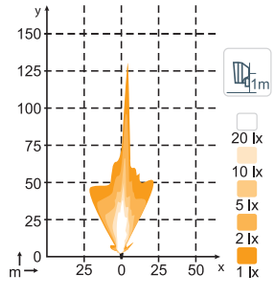
DRAWINGS



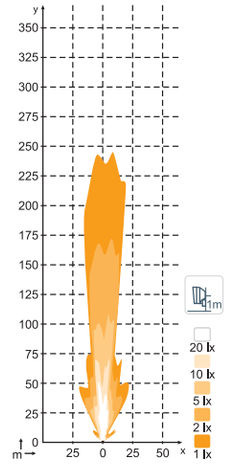
All-in-one front light for heavy-duty vehicles

LIGHT PATTERNS

Sculptor 2
Low Beam RHT



Sculptor 2
High Beam RHT

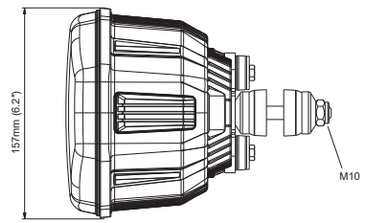


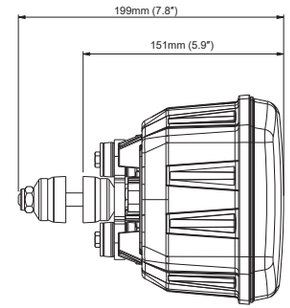
Also available in LHT and pedestal mount versions, find the details on our website nordiclights.com/products

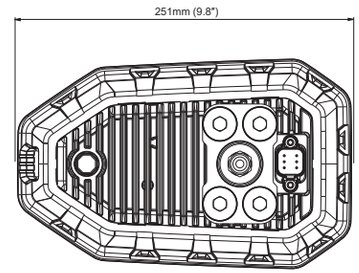
Sculptor 2

TECHNICAL SPECIFICATIONS	SCULPTOR 2
Functions	Daytime Running Light (DRL), Position Light, Direction Indicator, Low Beam, High Beam.
Power Consumption	High Beam 57.5W, Low Beam 38.5W, Position 4.0W, DRL 17.5W, Direction Indicator 21W
ECE Approvals	Passing beam: ECE R149 (Class B) Driving beam: ECE R149 (Class B) Position light: ECE R148 (Symbol A) DRL: ECE R148 (Symbol RL) Direction indicator: ECE R148 [Symbol 1B (front) & symbol 5 (side)]
Material Housing / Lens	Plastic / Glass

DRAWINGS





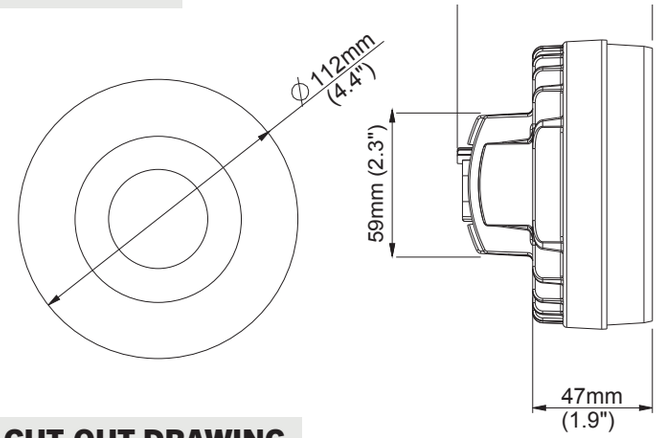


4-in-1 rear light for harsh conditions

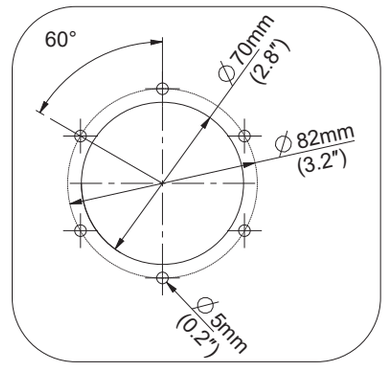
Corona 400

TECHNICAL SPECIFICATIONS	CORONA 400
Functions	Direction Indicator, Position Light, Stop Light, Reverse Light
Power Consumption 12 / 24V	Direction indicator 21W, Position light 0.2 / 0.5 W, Stop light 1.5 / 3.0 W, Reverse light 2.0 / 4.0 W
ECE Approvals	Direction Indicator: ECE R6 Cat 2a, Position Light: ECE R7 Cat R1, Stop Light: ECE R7 Cat S1, Reverse Light: ECE R2
Material Housing / Lens	Aluminum / Plastic

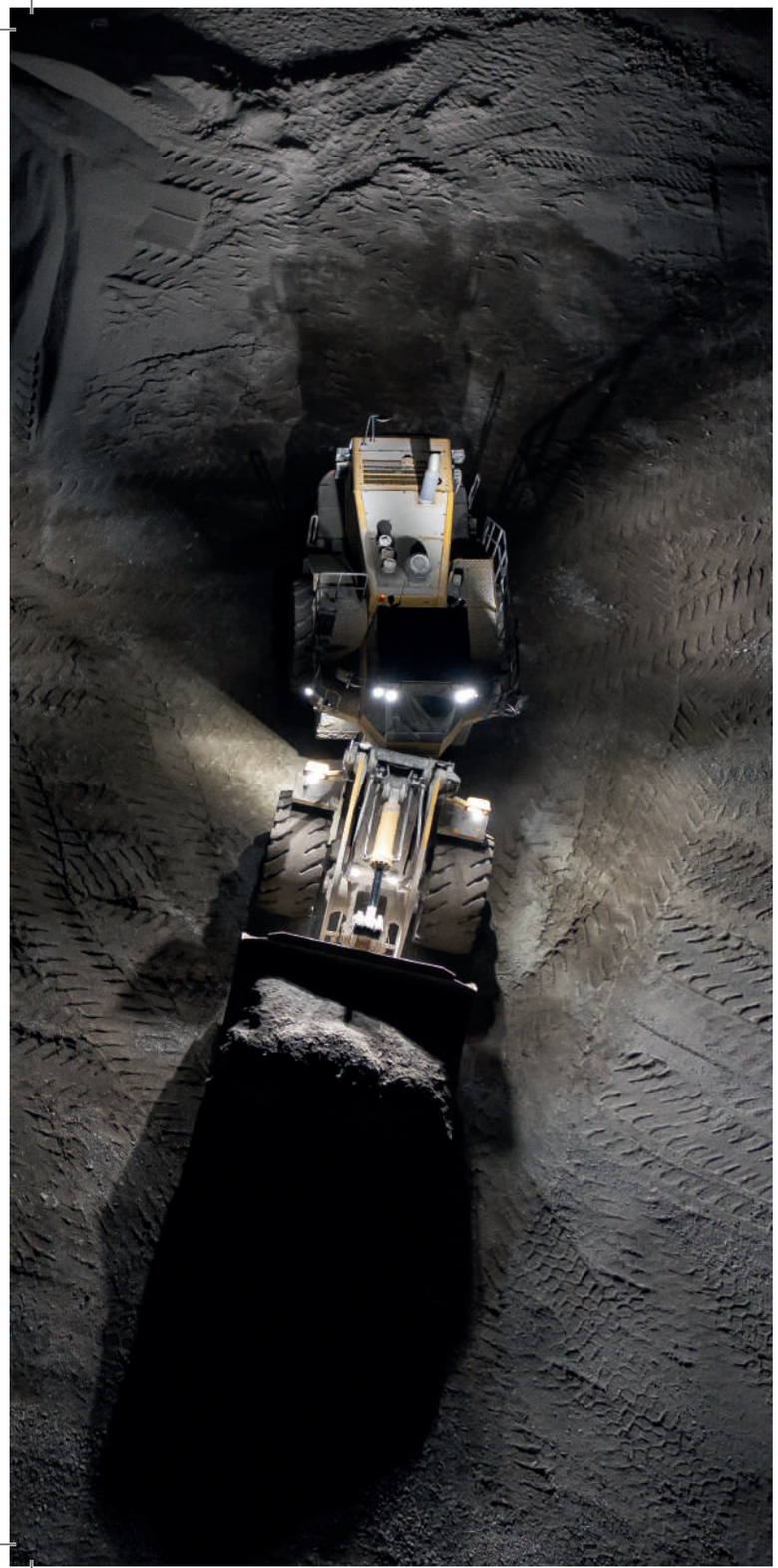
DRAWINGS



CUT-OUT DRAWING



Also available with retroreflector (ECE R23-approved), find the details on our website nordiclights.com/products.



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