



NORDICLIGHTS 

2014
ENGLISH

Contents

Corporate

Presentation	3
--------------	---

Heavy Duty LED Work Lights

Nordic GEMINI LED N47XX	14
Nordic CENTAURUS LED N46XX	18
Nordic SCORPIUS LED N44XX	22
Nordic ANTARES LED N33XX	30
Nordic VIRGO LED N31XX	34
Nordic SPICA LED N24XX	38
Nordic CANIS LED N20XX	42
Nordic CAPELLA LED N10	44
Nordic TAURUS LED N72XX	46
Nordic DORADO LED N70	48

KL-Series LED Work Lights

Nordic KL1001 LED	50
Nordic KL11XX LED	52

Heavy Duty HID (Xenon) Work Lights

Nordic N400 HID	54
Nordic N200 HID	56
Nordic N45 HID	58

Head Lights

Nordic SCULPTOR LED N60XX	60
Nordic N500 Series	62

Heavy Duty Halogen Work Lights

Nordic N300 Halogen	64
Nordic N200 Halogen	66
Nordic N100 Halogen	68
Nordic N25 Halogen	70

Flushmount Work Lights

Nordic KL13XX LED	72
Nordic N100 HID Flushmount	74
Nordic N25 HID Flushmount	76
Nordic N300 Halogen Flushmount	78
Nordic N100 Halogen Flushmount	80
Nordic N25 Halogen Flushmount	82

Spare Parts

Spare Parts	84
-------------	----

Abbreviations

D	Dampening	QD	Quake Dampening	TD	Suspended Pedestal mount (Top Down)
ECE	European Union Traffic Regulations	R	Reverse	TP	Twin Power
F	Flushmount	RH	Right Hand mount	TT	Upright Pedestal mount (Top Top)
G	Generation	S	Side mount	V	Version
H	Handle	SAE	USA Traffic Regulations	XD	Extreme Heavy Duty Dampening
HS	Handle & Switch	SD	Super Dampening		
LH	Left Hand mount	SP	Single Power		

NORDICLIGHTS

A powerful machine requires powerful lights. The success of Nordic Lights™ products is based on their durability. This is the number one criterion for our customers. Hence, our slogan: "Lights for Heavy Duty". All our products go through extensive test procedures before their release on the market. Our products utilize our patented dampening solutions.

The Nordic Lights™ work lights are used in the most difficult and demanding working environments all over the world. The visibility offered by the high quality optics of the lights supports your machines in maintaining high working efficiency during dark working hours while the lights themselves need very little maintenance. The use of Nordic Lights™ products ensures that darkness, vibration, shock, dust and humidity will not affect visibility when the results of your work and safety depend on effective lighting.

Nordic Lights™ aims to offer the right solution to each customer. As a result, a large number of our manufactured products are tailor-made. Combinations of different light patterns, brackets, vibration dampeners and cable connections can be applied to optimize a light for different applications and a specific set of conditions.

Nordic Lights™ is a company based in Finland which designs and manufactures LED, HID (Xenon) and Halogen work lights for the heavy duty on-road and off-road industry as well as innovative Xenon driving lights. We remain a pioneer in supplying light technology to heavy duty equipment.

Our products can be found on machines and vehicles within the mining, construction, forestry, agricultural, material handling and truck, trailer & emergency industries. We supply lighting solutions to many of the world's leading manufacturers of heavy duty machinery. We continuously improve our performance while minimizing the environmental impact of our operations and our products. We utilize Six Sigma methodologies, are certified according to the ISO 9001 and ISO 14001 standards.



Business Mission

Nordic Lights™ provides optimal, sustainable lighting solutions with superior durability for equipment even for the most demanding conditions.

We outperform our competitors by applying the best available technology along with outstanding customer service provided by our well trained, dedicated personnel.



Nordic Lights™ – the factory in Jakobstad, Finland

Tailored Lighting Solutions

Nordic Lights™ has years of experience in developing and manufacturing durable work lights. This has also produced a competent team of engineers that utilize their expertise in optics, electronics, material properties and dampening solutions. We work with the most up-to-date light simulation software in order to establish specific working environments and analyse the behaviour of light on different types of apparatus. Nordic Lights™ has its own modern extensive state-of-the-art light laboratory. All these resources provide our company with unique working conditions and opportunities to test and develop lights, not only to develop our own range of work lights and versions to meet customer requirements, these engineering capabilities also enable Nordic Lights™ to develop its unique customized lights, tailored for the specific needs and appliances required by each individual customer. By choosing us as your partner You will have a light built to last.



Nordic Lights™ – the light laboratory

Increased Efficiency

Choosing Nordic Lights™ as your supplier is the best alternative if you want to play it safe. We will help you boost your efficiency by the concept of our products. You have the opportunity of getting a light customized to suit your applications and working environments. With our engineering expertise we can create a unique light - just for you! The fact that R&D and manufacturing are located at the same plant enhances levels of efficiency in terms of communication and development. Nordic Lights™ implements just-in-time deliveries. In this way, you can feel safer when it comes to the deliveries and need to keep a smaller stock. The consistent level of quality ensures fewer stops in your production and fewer complaints/claims from your customers. If problems arise, we move swiftly. The durability of our lights also minimizes any unscheduled maintenance of your equipment.

Technology has evolved. And so have we!



Fire torch
790,000 B.C.



Oil lamp
10,000 B.C.



Candles
300 B.C.



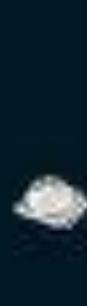
Bulb
1879 A.D.



Halogen
1964 A.D.

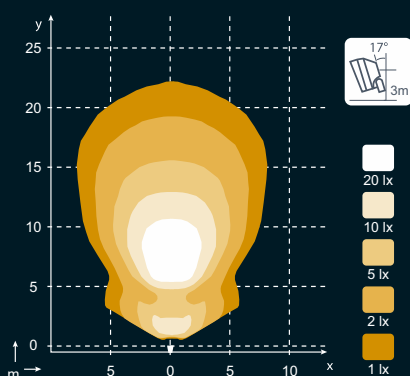


HID
1991 A.D.



High Power LED
1996 A.D.

N45 HID 35W Wide Flood



Light Patterns

Whatever Your lighting requirements, Nordic Lights™ can supply the work light to suit Your applications. Through our engineering expertise in lens and reflector technology Nordic Lights™ can offer a range of light patterns to meet your needs. Our light patterns can be classified as High Beam (long distance ahead), Low Beam (short distance ahead), Flood (for work close to the application), Wide Flood and Super Wide (for lighting up the whole work area close to the application). As lighting experts we can also offer different light colours for specific work environments.

Angle of Light and Light Patterns

When simulating light in the development of light you apply the functions of angles by means of the Cosine law. This law states that the illumination on two planes is proportional to the cosine of the angle between the two planes and the angle of the light rays. In the picture to the left two planes receive the same number of rays from the light. However, since the surface of #B is larger than the surface of #A the illumination (in Lux values) will be less on the surface of #B compared to the surface of #A. Many light producers – in their light patterns - show the illumination on the surface of #A in their light patterns while Nordic Lights™ shows the illumination on the surface of #B because the surface of #B normally corresponds more accurately to work areas in real-life conditions. With Auxiliary Driving lights, High Beam and Low Beam, Nordic Lights™ refer to the surface of #A.



Heavy Duty Mounting

Nordic Lights™ patented Heavy Duty mounting systems absorb vibration and shocks protecting the work light and prolonging the bulb life. The HD mount offers extreme anti-vibration dampening. Lights are available both as Damp (with Anti-Vibration dampener) and Undamp (without dampener). Mountings comprise: TT (Upright Pedestal mount - Top Top), TD (Suspended Pedestal mount - Top Down), RH (Right-Hand side mount) and LH (Left-Hand side mount).

Quality - Not Just Any Light

When you choose a Nordic Lights™ product, You are not just choosing any light. You are choosing a HEAVY DUTY lighting solution. All Nordic Lights™ models are exposed to extensive testing before being approved. This is one of the main reasons why Nordic Lights™ work lights operate all over the Globe.

Vibration & Shock

The lights are placed in high vibration on all three perpendicular axes for a minimum of three hours on EACH AXIS. The lights are then exposed to shocks of up to 60G.

These tests simulate different vibrations which the light is exposed to when mounted on apparatus at work including the punishment of falling objects and collisions in the work area.



Engineer adjusting work light during warm-up before test

Dust & Humidity

The light is placed in a closed chamber and free-moving dust is blown into the chamber to circulate for several hours to test the dust sealing. There are numerous methods of testing humidity. For instance, the light is dropped into a pool of water for several hours. The light is then switched on and runs until it heats up as in a real-life situation only to get tormented under a shower of cold water with ice floes. The light is also spun around while a high pressure jet of water is fired against the light which experiences constant changes in the pressure and temperature of the water. As well as the various IP tests (different official IP categories state how well a product is protected from materials such as dirt and water), the lights also undergoes a Salt Spray test. During the Salt Spray test the light is placed in a concealed chamber and continuously sprayed with salt for over 240 HOURS. These tests check that no rain, splash water, high pressure cleaning or foreign material (e.g. dust) penetrate the light.

Heat and Cold

As well as the changes in temperature in the water tests mentioned above the lights are also exposed to complete repetitive thermal cycles. The light turns in a sealed environment where the temperature is raised from deep below zero to very hot before being lowered again to well below zero and so on. Whether your job needs to be done in tropical or arctic conditions, we will have thought it all through for You!

Electro Magnetic Compatibility

Nordic Lights™ products are exposed to extensive EMC testing (Electro Magnetic Compatibility). The work environment sets the demands on how much interference may be emitted by the light and how immune the light must be to outside interference.

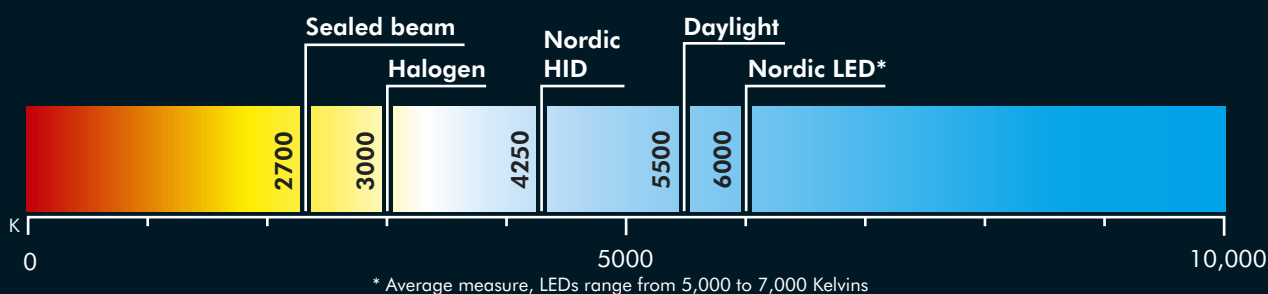
The extent of radio frequency interference emitted is tested in closed laboratories, i.e. emission radiated through the air measured by antennae and emission through cables measured with radio EMI receivers.

The immunity of the light is tested on several levels in the laboratories. The radio frequency immunity is tested by sending calibrated frequencies through an antenna towards the light and by placing the light between strip-line cables. By connecting a generator to the light it is exposed to intense or long-lasting voltage peaks and dips. The light is also punished with electro-static discharges deployed by a discharge gun directly or through the air. This is to make sure that voltage changes do not break the light.

These tests check whether the electronics in the lamp are compatible with the other equipment in the work area.

Light Source Comparison

Colour temperature in Kelvin



Lux 1 lux equals 1 lumen per square metre

Lumen A measurement of the power of light perceived by the human eye. The total light output in every direction, indicates how well an area is illuminated.

Kelvin The colour temperature of light is measured in Kelvins since the colour ranges from red through yellow and white to blue.

Candela The light output in one given direction at the source of the light.

LED Technology

LED (Light Emitting Diode) is a semi-conductor device emitting photons when the diode's p-n junction is forward-biased by an electrical current. The lifespan - up to 50,000 work hours – by far outlives any bulbs. The LED lights are maintenance-free with low power consumption. There is also an advantage in the size since the LED diodes are very small and the direction of the light emitted is easier to direct. High Power LEDs give a cool blue-white colour temperature to maximize light output. The LED technology is very suitable for Nordic Lights™ Heavy Duty work lights due to the high resistance to shock and vibration.



UP TO 50,000 HOURS!

Xenon - HID Technology

HID (High Intensity Discharge) commonly known as gas discharge (often referred to as Xenon – the chemical element), offers many technological advantages over conventional halogen lights – most notably, higher colour temperature, reduced heat and a considerably longer lifetime (on average 10 times that of a standard halogen bulb). The light is produced by two electrodes positioned close together in a small gas-filled quartz tube. The illumination of an HID light is considerably brighter and greater compared with a halogen light - in other words, twice the illumination of a 70W halogen for only half the power consumption. Also, the light emitted is very similar to daylight.



1/4 POWER CONSUMPTION!

Halogen Technology

HALOGEN or an incandescent (heat-driven) light works by passing an electric current through a tungsten filament to make it glow. Up to 90% of the power input is wasted in heat. The Nordic Lights™ Halogen work lights use only high-quality Heavy Duty bulbs supplied by one of the world's leading manufacturers. A standard halogen bulb has a lifetime of approximately 500 hours. Halogen technology offers a considerably more affordable solution for your lighting needs. With Nordic Lights™ optics and patented dampening solutions you will get a richly durable, easily serviceable light, providing a lot of light for your money.



Development Process according to AIAG APQP

Plan and Define
 Product Design and Development
 Process Design and Development
 Product and process Validation
 Feedback, Assessment and Corrective Actions



R&D Analysis Tools

Mechanical Design Software
 Mechanical Properties Analysis and Simulation Software
 Thermal Design and Simulation Software
 Optical Design and Simulation Software
 Analysis Software
 LAB Facilities
 Mechanical
 Electrical
 Optical



Production

Continuous improvement
 5S and Kaizen
 Six Sigma system (with Black Belt experts)
 Quality management
 ISO/TS 16949 compatibility
 ISO 9001
 ISO 14001
 Traceability, labeling and test results recorded for each lamp



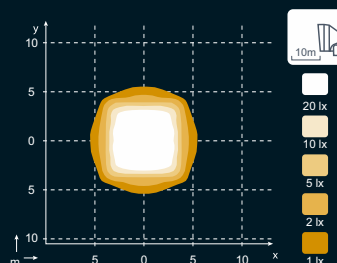
Different Light Patterns

Nordic Lights™ work lights come with different light patterns to match your specific lighting solution needs. Generally, our light patterns can be classified as follows: High Beam, Low Beam, Flood and Wide Flood.

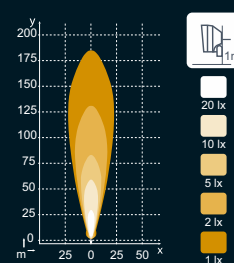
High Beam

A High Beam light pattern is quite narrow, focusing straight ahead, producing a long-distance range of light.

High Beam projected on wall at 10m



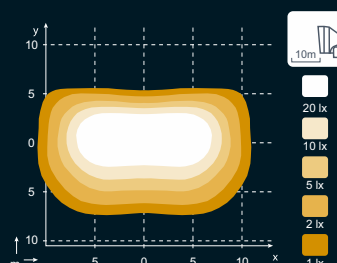
High Beam projected on surface #A



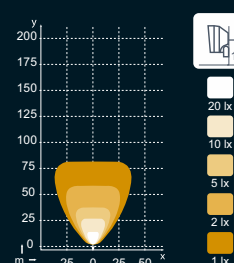
Low Beam

A Low Beam light pattern is notably wider, still focusing straight ahead, producing a short-distance range of light.

Low Beam projected on wall at 10m



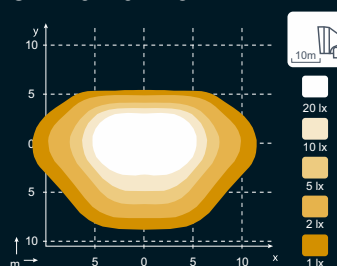
Low Beam projected on surface #A



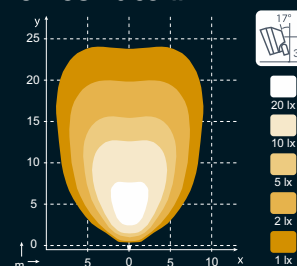
Wide Flood

A Wide Flood light pattern has a very wide spread of the light for lighting up the whole work area close to the application.

Wide Flood projected on wall at 10m



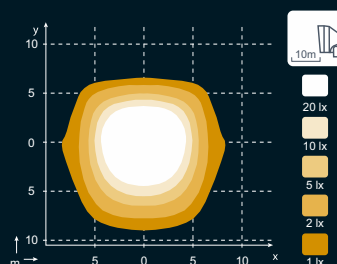
Wide Flood projected on surface #B



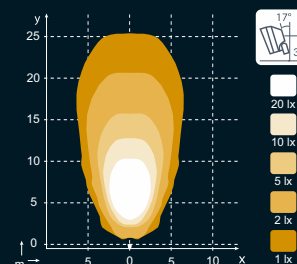
Flood

A Flood light pattern has a wide spread of light for work close to the application.

Flood projected on wall at 10m



Flood projected on surface #B





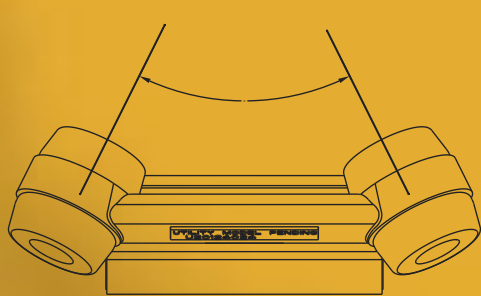
QUAKE DAMPENING

Nordic Lights™ introduces the revolutionizing QUAKE dampening system. The patented system takes protection against vibration and shock to a whole new level never seen before. The R&D department at Nordic Lights™ has used all their muscles, expertise and equipment to create a dampening system of absolute perfection.

In a standard dampening system there will be powerful strains on the dampeners. The angles of the dampeners within the QUAKE dampening system have been painstakingly calculated and intensely tested to find the perfect synchronized angles to produce a complete, optimized system. Due to the construction, shocks and vibrations will never strain all axels in a straight line of force, if the force happens to come in line with one axel the force will still be out of line with all other parts of the QUAKE dampening system. This results in a uniform distribution of the force throughout the dampening system. As a result, the QUAKE dampening system lasts much longer and can withstand much bigger shocks and wider ranges of vibration. And if the dampening system can withstand more punishment, so can the work light and also the application upon which it is mounted.

Since the QUAKE system withstands a wider range of vibration - for instance 4.65 Grms 12-2000Hz, 15.3 Grms 24-2000Hz and 20 Grms 24-2000Hz – thus making it possible to mount more powerful work lamps on applications. As a result, the question of where the work light is mounted on the application is less crucial since the dampening system is kinder on the vehicle; it also reduces maintenance and down time. What is more, the QUAKE dampening system is lower than other dampening systems saving space.

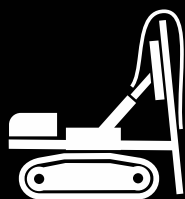
For many years Nordic Lights™ has been developing and patenting different dampening solutions for Heavy Duty work lights. Why dampen a work lamp? With the right kind of dampening you will greatly increase a work lamp's resistance to shock and vibration. Not only will the lamp take much longer to brake, the different components inside the lamp will also last longer needing far less maintenance and fewer replacements. The strain on the application caused by mounting the work lamp will also be reduced making the vehicle less vulnerable.





**Eastern Finland 100 km into the woods.
Forestry harvester able to operate during harsh
winter in total darkness - thanks to Nordic Lights lamps.**

LED lights to the left in the picture.



Mining



Construction



Forestry

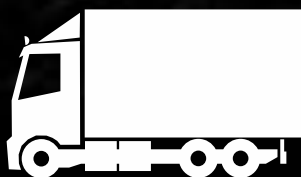
Latitude 64° 0' 42" Longitude 28° 36' 9"



Xenon (HID) lights to the right in the picture.



Agricultural



Truck & Trailer
Emergency



Material Handling



NORDIC GEMINI LED

The Nordic GEMINI LED work lamp offers a dazzling light output especially for heavy duty working environments.

The work lamp offers a impressive lighting solution both for mobile and stationary applications and is really the king of the hill. Available in three different lumens levels.

Versions



N4701
25200lm



N4702
18000lm



N4703
13800lm

Features



Long Lifetime



Low Maintenance



Waterproof



Heavy Duty Construction



Reverse Voltage Protected



EMC



Load Dump Protected



Over Voltage Protected



Overheat Protected



Salt Mist



Optically Even Distribution of Light Pattern



Strong Light Pattern



Replaceable Lens



High Light Output



High Lumens/Watt Efficiency

Connectors



2 x Built-in Deutsch 2-pin

Lenses

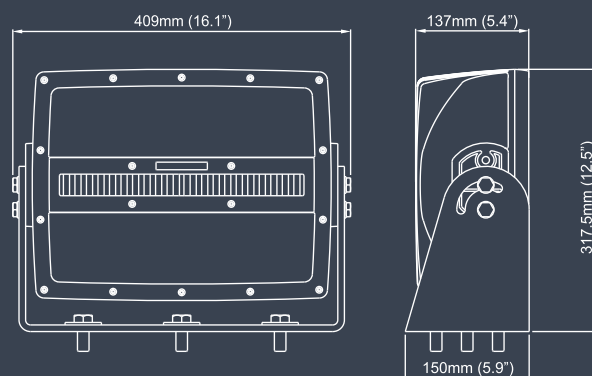


Transparent



Drawings

N4701, N4702 and N4703



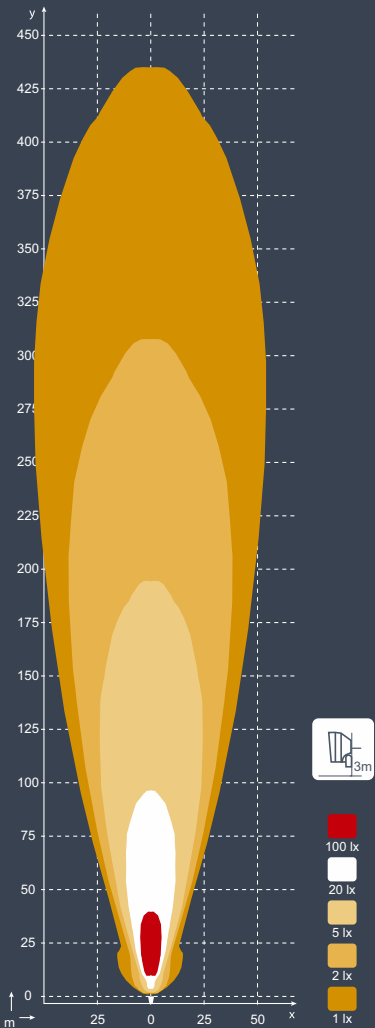
Specifications

	N4701	N4702	N4703
Theoretical Lumens Output :	40300lm	28800lm	22000lm
Operational Lumens Output :	25200lm	18000lm	13800lm
Colour Temperature :	6000K	5700K	5700K
Nominal Voltage DC :	24V	•	•
Input Voltage Range DC :	18-32V	•	•
Power Consumption :	300W	270W	240W
Nominal Current at 24V :	12.5A	11.3A	10A
Electronics :	Integrated	•	•
Connector :	2 x Built-in Deutsch 2-pin	•	•
Mount :	5 pcs Bolt M14x35	•	•
Shock :	TBD	•	•
Vibration :	TBD	•	•
Lens :	PC	•	•
Body :	Aluminium	•	•
Weight :	18kg	•	•
IP Rating :	IP68	•	•
	IP6K9K	•	•
	SAE J1455	•	•
Salt Mist :	ISO 9227 240H	•	•
EMC :	ISO 13766	•	•
	ISO 14982	•	•
	ISO 7637-2	•	•
	CISPR 25 Class 3	•	•
Operating Temperatures :	-40°C ... +85°C	•	•
	(Overheat protected)	•	•

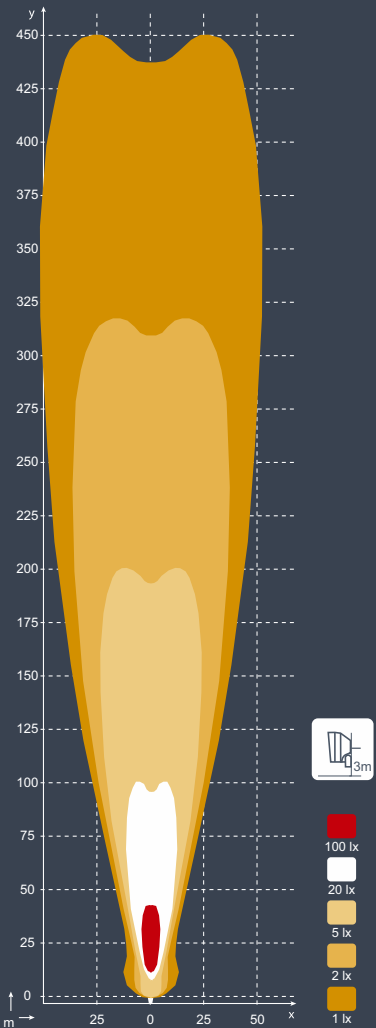
Not all products are available in all markets. During continuous improvement specifications and design are changing. Illustrations does not necessarily show the design of every version and some features are version specific. The lumens output varies depending on lens colour.

Light Patterns

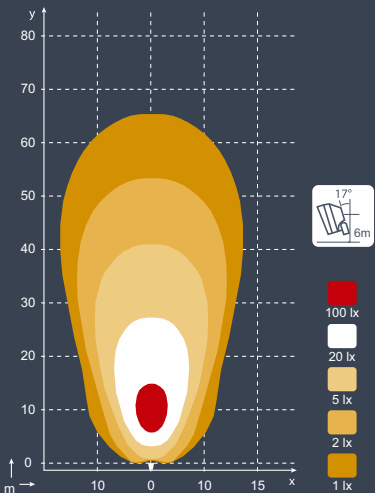
N4701 25200lm
High Beam



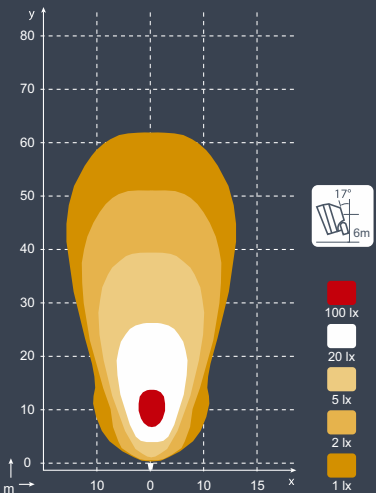
N4702 18000lm
High Beam



N4701 25200lm
Flood

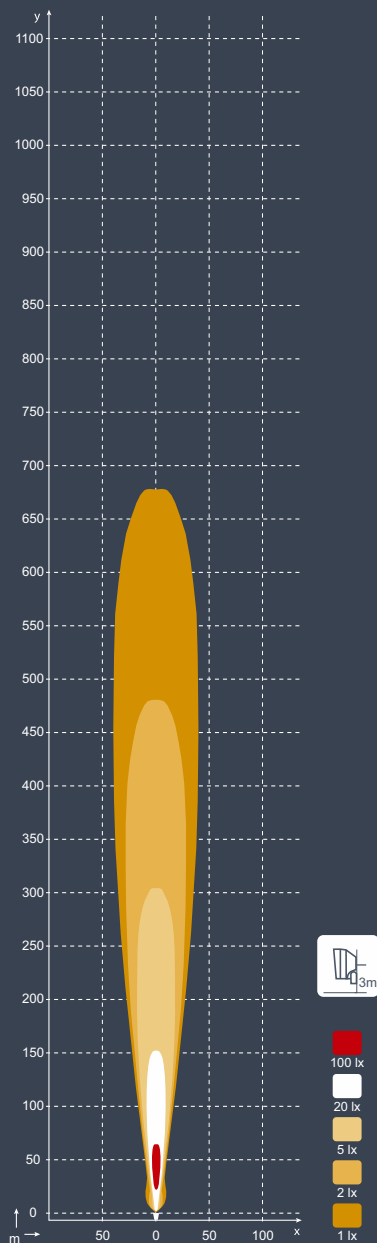


N4702 18000lm
Flood

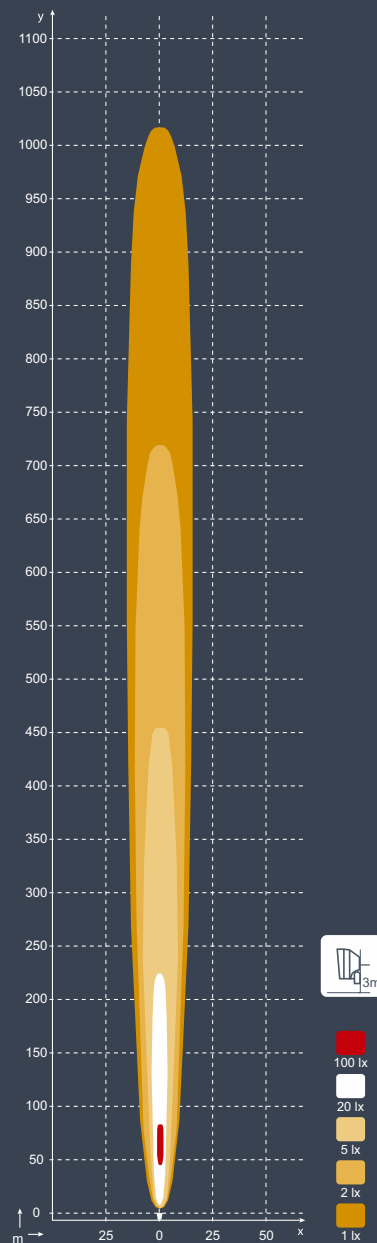


Light Patterns

**N4703 13800lm
High Beam**



**N4703 13800lm
Pencil Beam**





Quake
Dampening

NORDIC CENTAURUS LED QUAKE EDITION

The Nordic CENTAURUS LED work lamp delivers stunning illumination and is equipped with the revolutionizing QUAKE dampening system.

The new QUAKE dampening system takes protection against vibration and shock to a whole new level never seen before. The CENTAURUS LED is available with two different lumens levels, QD or XD dampening and five different lens colours. The work lamp meets the expectations of the most demanding situation.

Versions



N4601 5700lm
QUAKE
Dampening



N460 2700lm
Xtreme
Dampening

Features



Long Lifetime



Low
Maintenance



Waterproof



Heavy Duty
Construction



Reverse Voltage
Protected



EMC



Load Dump
Protected



Over Voltage
Protected



Overheat
Protected



Salt Mist



Optically Even
Distribution of
Light Pattern



Strong Light
Pattern



Different Lens
Colour Versions
Available



Replaceable
Lens



High Light
Output



High Lumens/
Watt Efficiency



Quake
Dampening
N4601



Extreme
Heavy Duty
Dampening
N460

Connectors



Built-in Deutsch 2-pin

Lenses



Transparent



White



Yellow



Amber

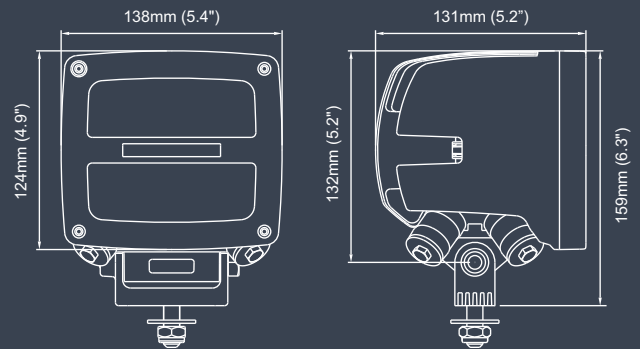


Red

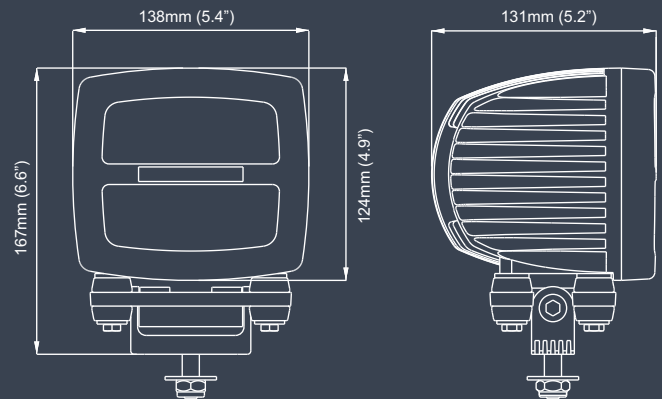


Drawings

N4601 with QUAKE Dampening



N460 with Xtreme Dampening



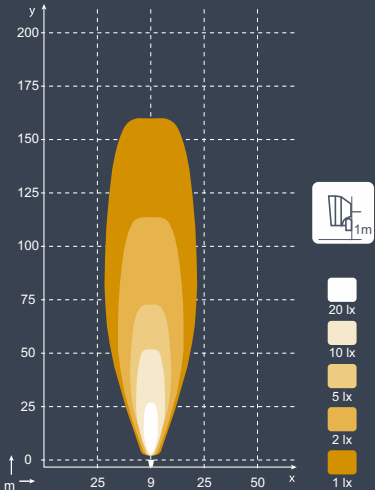
Specifications

	N4601 QD	N460 XD
Theoretical Lumens Output :	9600lm	4300lm
Operational Lumens Output :	6000lm	2700lm
Colour Temperature :	5700K	6000K
Nominal Voltage DC :	24V	•
Input Voltage Range DC :	18-32V	•
Power Consumption :	85W	60W
Nominal Current at 24V :	3.5A	2.5A
Electronics :	Integrated	•
Connector :	Built-in Deutsch 2-pin	•
Mount :	Single Bolt M10	•
Shock :	60G	•
Vibration :	15.3Grms 24-2000Hz	•
	4.65Grms 12-2000Hz	
Lens :	PC	•
Body :	Aluminium	•
Weight :	2.9kg	•
IP Rating :	IP68	•
	IP6K9K	•
	SAE J1455	•
Salt Mist :	ISO 9227 240H	•
EMC :	ISO 13766	•
	ISO 14982	•
	ISO 7637-2	•
	CISPR 25 Class 3	
Operating Temperatures :	-40°C ... +85°C	•
	(Overheat protected)	•

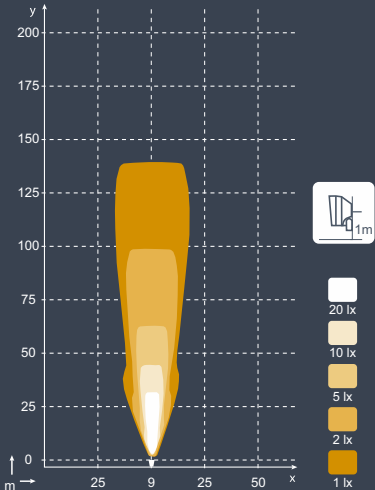
Not all products are available in all markets. During continuous improvement specifications and design are changing. Illustrations does not necessarily show the design of every version and some features are version specific. The lumens output varies depending on lens colour.

Light Patterns

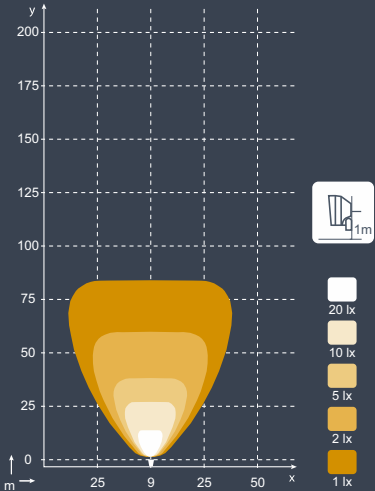
N4601 QD 6000lm
High Beam



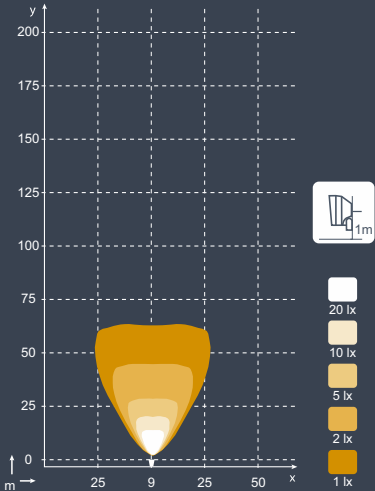
N460 XD 2700lm
High Beam



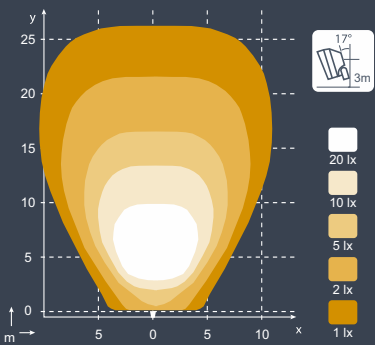
N4601 QD 6000lm
Low Beam



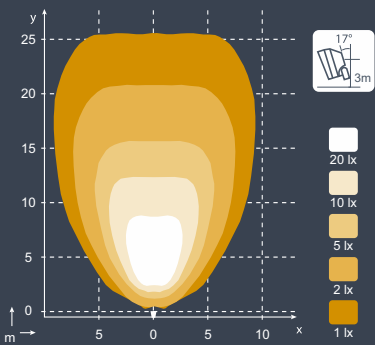
N460 XD 2700lm
Low Beam



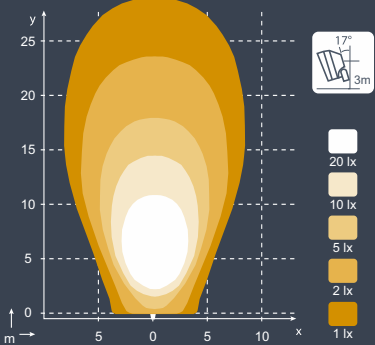
N4601 QD 6000lm
Wide Flood



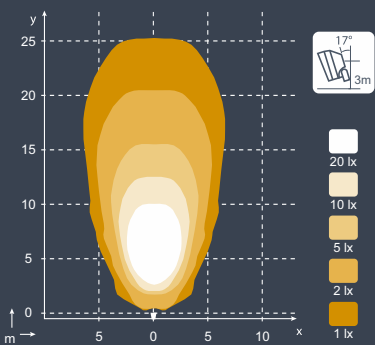
N460 XD 2700lm
Wide Flood



N4601 QD 6000lm
Flood



N460 XD 2700lm
Flood



**LIGHTS FOR
HEAVY DUTY**

**LED
WORK LIGHTS**



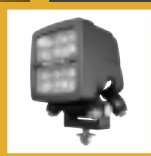
Quake
Dampening

NORDIC SCORPIUS LED QUAKE EDITION

The Nordic SCORPIUS LED work lamp offers outstanding illumination and is available with the revolutionizing QUAKE dampening system.

The new QUAKE dampening system takes protection against vibration and shock to a whole new level never seen before. The SCORPIUS LED QUAKE EDITION is available with five different lumens levels and five different lens colours. Suitable for harsh conditions and a range of applications.

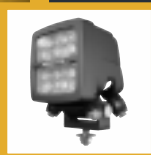
Versions



N4401 4200lm
QUAKE
Dampening



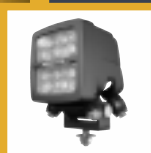
N4403 3000lm
QUAKE
Dampening



N4405 2100lm
QUAKE
Dampening



N4407 2300lm
QUAKE
Dampening



N4409 2000lm
Dimmable
QUAKE
Dampening

Features



Long Lifetime



Low
Maintenance



Waterproof



Heavy Duty
Construction



Reverse Voltage
Protected



EMC



Load Dump
Protected



Over Voltage
Protected



Overheat
Protected



Salt Mist



Optically Even
Distribution of
Light Pattern



Strong Light
Pattern



Different Lens
Colour Versions
Available



Replaceable
Lens



Compact



High Light
Output



High Lumens/
Watt Efficiency



Multi Voltage



Quake
Dampening



Dimmable

Connectors



Built-in Deutsch 2-pin

Lenses



Transparent



White



Yellow



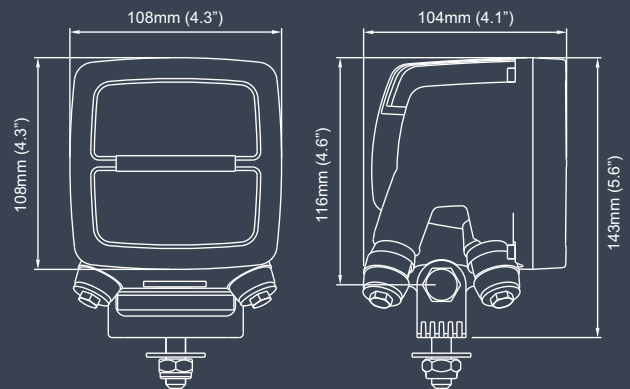
Amber



Red

Drawings

N4401, N4403, N4405, N4407, N4409 with QUAKE Dampening



Specifications

	N4401 QD	N4403 QD	N4405 QD	N4407 QD	N4409 QD
Theoretical Lumens Output :	6700lm	4800lm	3400lm	3700lm	3200lm
Operational Lumens Output :	4200lm	3000lm	2100lm	2300lm	2000lm
Colour Temperature :	6000K	5700K	5700K	5700K	5700K
Nominal Voltage DC :	12-24V	•	•	•	•
Input Voltage Range DC :	9-32V	•	•	•	•
Power Consumption :	50W	45W	35W	40W	40W
Nominal Current at 12V :	4.2A	3.8A	3.0A	3.4A	3.4A
24V :	2.1A	1.9A	1.5A	1.7A	1.7A
Electronics :	Integrated	•	•	•	•
Connector :	Built-in Deutsch 2-pin	•	•	•	•
Mount :	Single Bolt M10	•	•	•	•
Shock :	60G	•	•	•	•
Vibration :	20Grms 24-2000Hz	•	•	•	•
	4.65 Grms 12-2000Hz	•	•	•	•
Lens :	PC	•	•	•	•
Body :	Aluminium	•	•	•	•
Weight :	1.6kg	•	•	•	•
IP Rating :	IP68	•	•	•	•
	IP6K9K	•	•	•	•
	SAE J1455	•	•	•	•
Salt Mist :	ISO 9227 240H	•	•	•	•
EMC :	ISO 13766	•	•	•	•
	ISO 14982	•	•	•	•
	ISO 7637-2	•	•	•	•
	CISPR 25 Class 3	•	•	•	CISPR 25 Class 5
Operating Temperatures :	-40°C ... +85°C	•	•	•	•
	(Overheat protected)	•	•	•	•

Not all products are available in all markets. During continuous improvement specifications and design are changing. Illustrations does not necessarily show the design of every version and some features are version specific. The lumens output varies depending on lens colour.



NORDIC SCORPIUS LED

The Nordic SCORPIUS LED work lamp offers outstanding illumination.

The SCORPIUS LED is available with six different lumens levels and five different lens colours. Suitable for harsh conditions and a range of applications.

Versions

	N4402 4200lm		N4404 3000lm
	N4406 2100lm		N4408 2300lm
	N4410 2000lm Dimmable		N42 1350lm

Features

	Long Lifetime		Low Maintenance		Waterproof
	Heavy Duty Construction		Reverse Voltage Protected		EMC
	Load Dump Protected		Over Voltage Protected		Overheat Protected
	Salt Mist		Optically Even Distribution of Light Pattern		Strong Light Pattern
	Different Lens Colour Versions Available		Replaceable Lens		Compact
	High Light Output		High Lumens/Watt Efficiency		Multi Voltage
	Dimmable				

Connectors

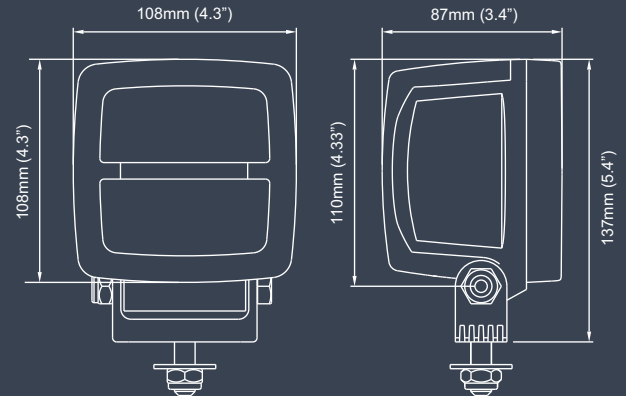
	Built-in Deutsch 2-pin
---	------------------------

Lenses

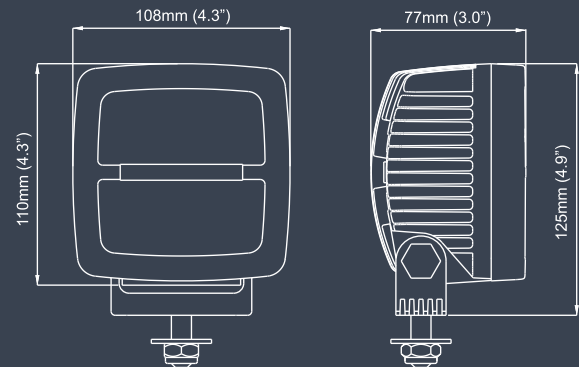
	Transparent		White		Yellow
	Amber		Red		

Drawings

N4402, N4404, N4406, N4408 and N4410



N42



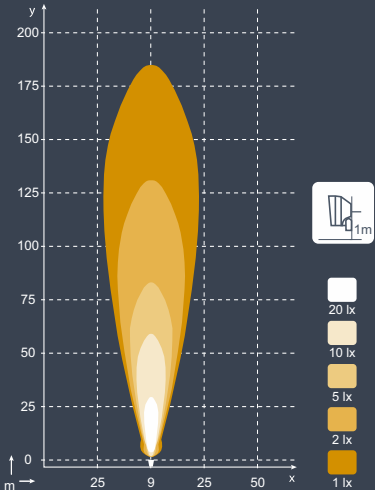
Specifications

	N4402	N4404	N4406	N4408	N4410	N42
Theoretical Lumens Output :	6700lm	4800lm	3400lm	3700lm	3200lm	2200lm
Operational Lumens Output :	4200lm	3000lm	2100lm	2300lm	2000lm	1350lm
Colour Temperature :	6000K	5700K	5700K	5700K	5700K	5700K
Nominal Voltage DC :	12-24V	•	•	•	•	•
Input Voltage Range DC :	9-32V	•	•	•	•	•
Power Consumption :	50W	45W	35W	40W	40W	25W
Nominal Current at 12V :	4.2A	3.8A	3.0A	3.4A	3.4A	2.0A
24V :	2.1A	1.9A	1.5A	1.7A	1.7A	1.0A
Electronics :	Integrated	•	•	•	•	•
Connector :	Built-in Deutsch 2-pin	•	•	•	•	•
Mount :	Single Bolt M10	•	•	•	•	•
Shock :	60G	•	•	•	•	•
Vibration :	15.3Grms 24-2000Hz	•	•	•	•	•
Lens :	PC	•	•	•	•	•
Body :	Aluminium	•	•	•	•	•
Weight :	1.1kg	1.1kg	1.1kg	1.1kg	1.1kg	1.2kg
IP Rating :	IP68	•	•	•	•	•
	IP6K9K	•	•	•	•	•
	SAE J1455	•	•	•	•	•
Salt Mist :	ISO 9227 240H	•	•	•	•	•
EMC :	ISO 13766	•	•	•	•	•
	ISO 14982	•	•	•	•	•
	ISO 7637-2	•	•	•	•	•
	CISPR 25 Class 3	•	•	•	CISPR 25 Class 25	CISPR 25 Class 3
Operating Temperatures :	-40°C ... +85°C	•	•	•	•	•
	(Overheat protected)	•	•	•	•	•

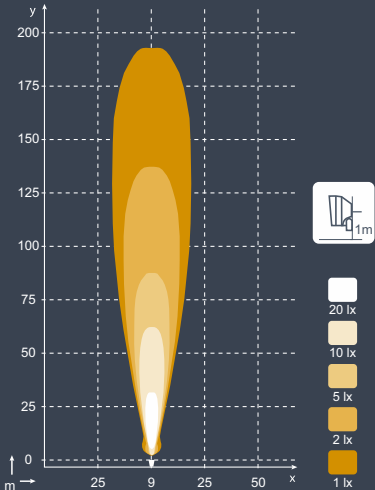
Not all products are available in all markets. During continuous improvement specifications and design are changing. Illustrations does not necessarily show the design of every version and some features are version specific. The lumens output varies depending on lens colour.

Light Patterns

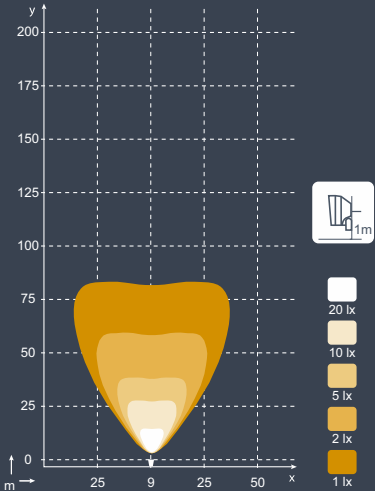
N4401 QD, N4402 4200lm
High Beam



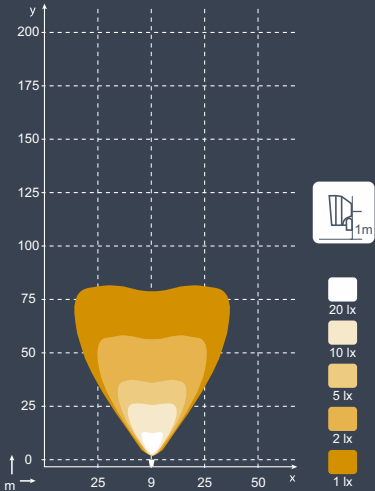
N4403 QD, N4404 3000lm
High Beam



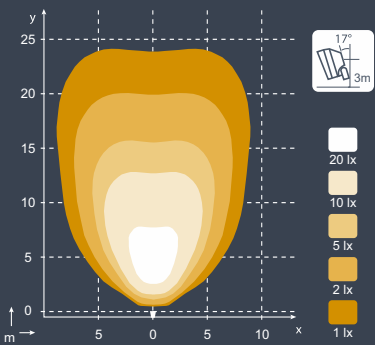
N4401 QD, N4402 4200lm
Low Beam



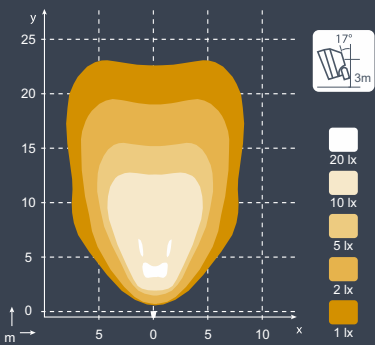
N4403 QD, N4404 3000lm
Low Beam



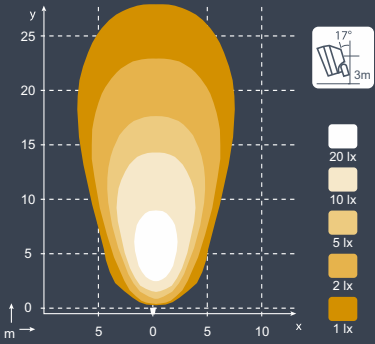
N4401 QD, N4402 4200lm
Wide Flood



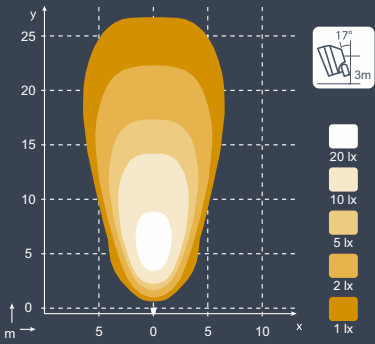
N4403 QD, N4404 3000lm
Wide Flood



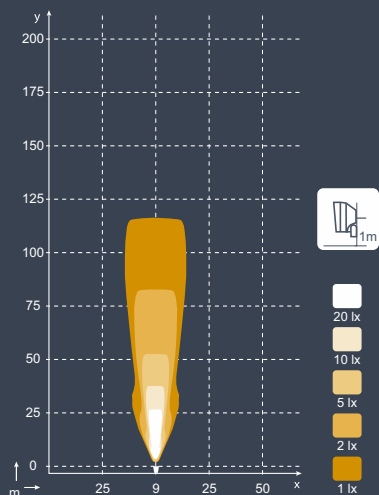
N4401 QD, N4402 4200lm
Flood



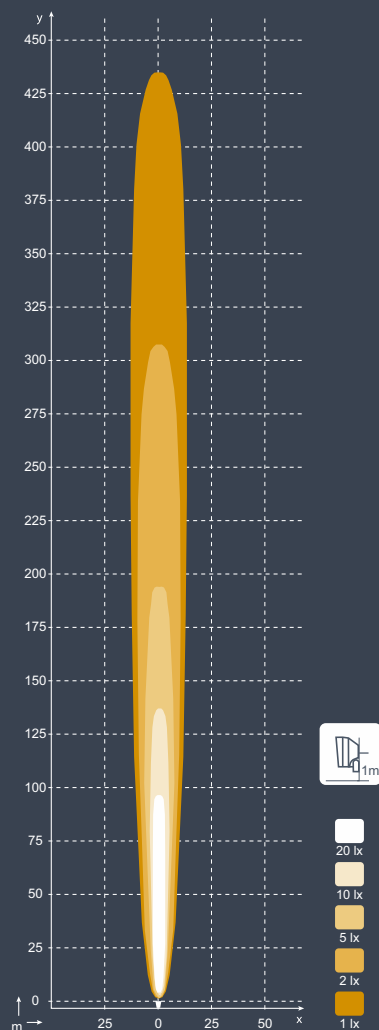
N4403 QD, N4404 3000lm
Flood



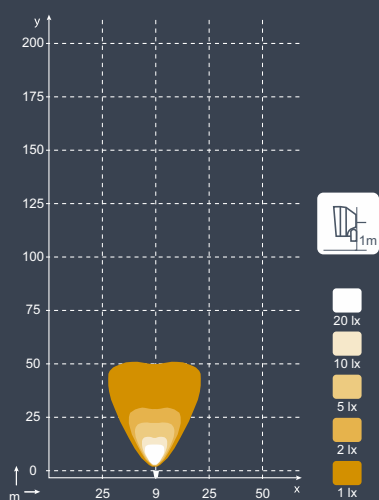
**N4405 QD, N4406 2100lm
High Beam**



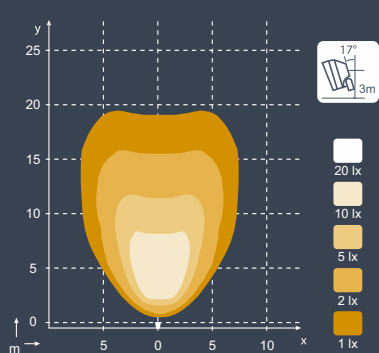
**N4407 QD, N4408 2300lm
Pencil Beam**



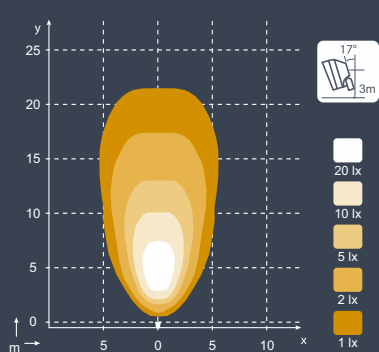
**N4405 QD, N4406 2100lm
Low Beam**



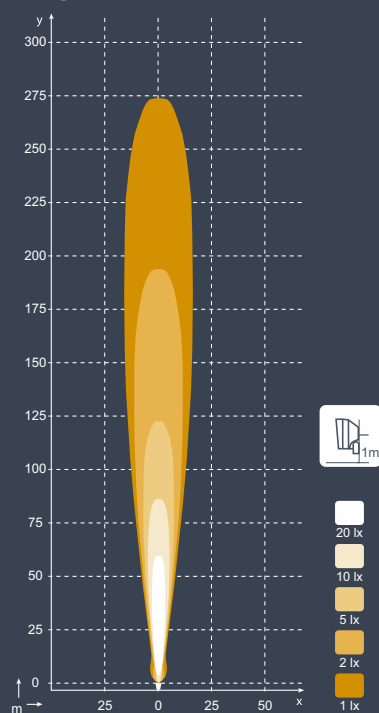
**N4405 QD, N4406 2100lm
Wide Flood**



**N4405 QD, N4406 2100lm
Flood**

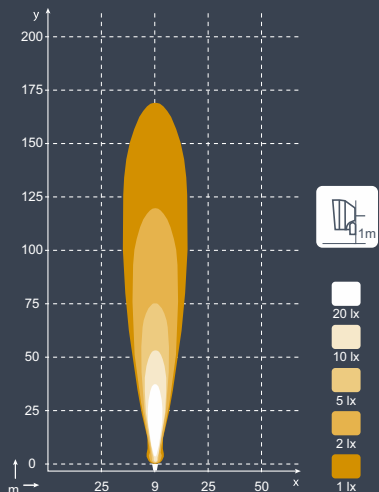


**N4407 QD, N4408 2300lm
High Beam**

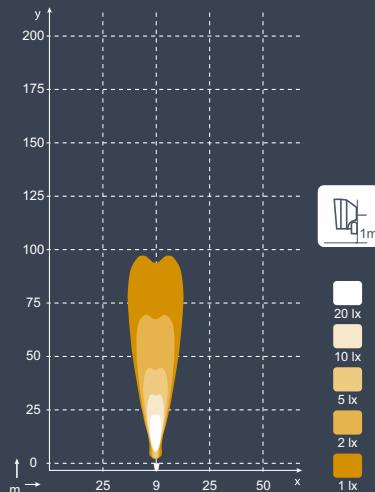


Light Patterns

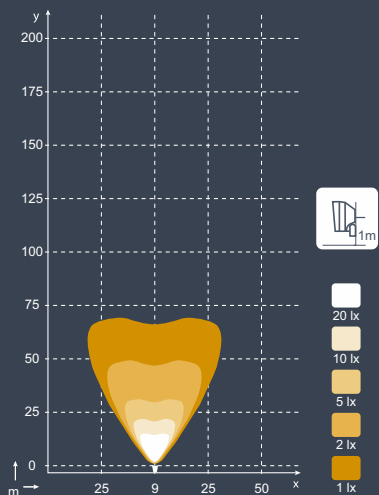
N4409 QD, N4410 2000lm
High Beam



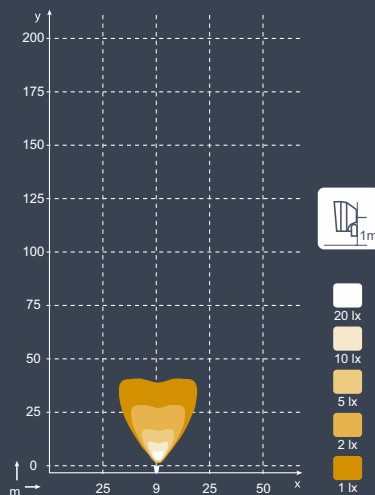
N42 1350lm
High Beam



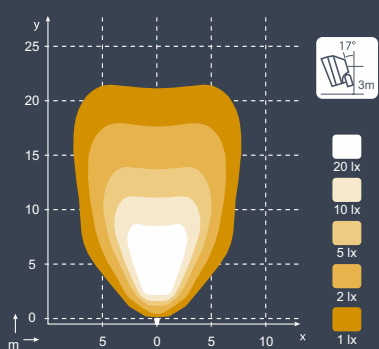
N4409 QD, N4410 2000lm
Low Beam



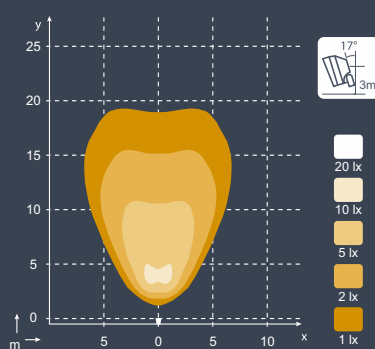
N42 1350lm
Low Beam



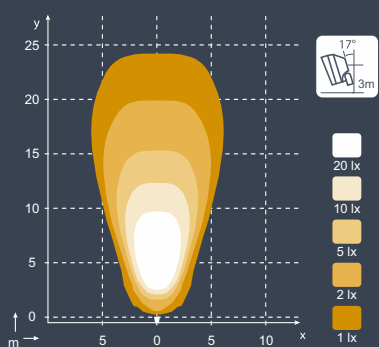
N4409 QD, N4410 2000lm
Wide Flood



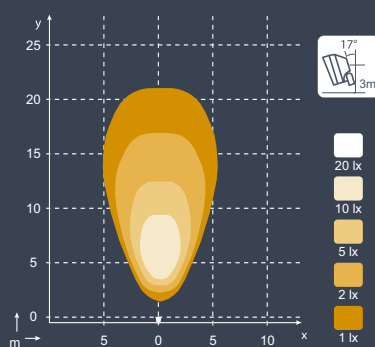
N42 1350lm
Wide Flood



N4409 QD, N4410 2000lm
Flood



N42 1350lm
Flood







NORDIC ANTARES LED

The Nordic ANTARES LED work lamp offers high durability with low maintenance.

The ANTARES LED is available with four different lumens levels and five different lens colours. The lamp is made to withstand tough conditions.

Versions



Features



Connectors

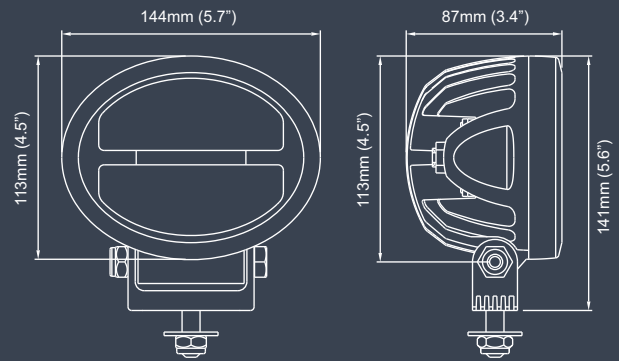


Lenses

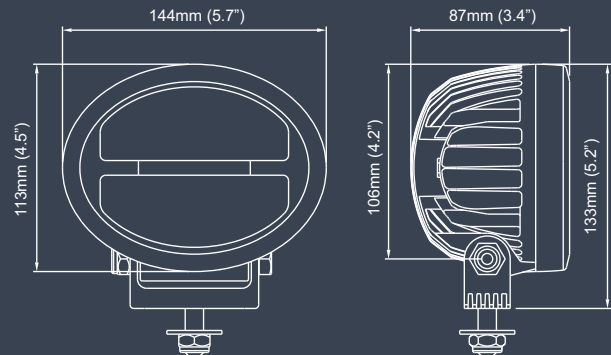


Drawings

N3301, N3302, N3303 and N3304



N33



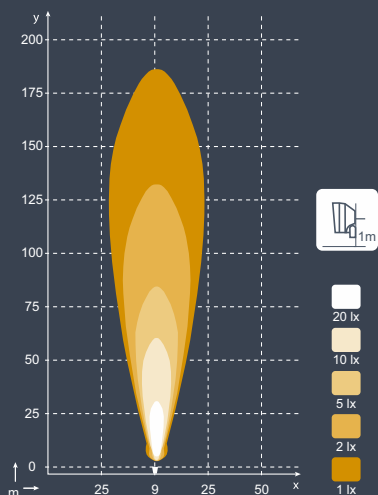
Specifications

	N3301	N3302	N3303	N3304	N33
Theoretical Lumens Output :	6700lm	4800lm	3700lm	3200lm	3400lm
Operational Lumens Output :	4200lm	3000lm	2300lm	2000lm	2100lm
Colour Temperature :	6000K	5700K	5700K	5700K	5700K
Nominal Voltage DC :	12-24V	•	•	•	•
Input Voltage Range DC :	9-32V	•	•	•	•
Power Consumption :	50W	45W	40W	40W	35W
Nominal Current at 12V :	4.2A	3.8A	3.4A	3.4A	3.0A
24V :	2.1A	1.9A	1.7A	1.7A	1.5A
Electronics :	Integrated	•	•	•	•
Connector :	Built-in Deutsch 2-pin	•	•	•	•
Mount :	Single Bolt M10	•	•	•	•
Shock :	60G	•	•	•	•
Vibration :	15.3Grms 24-2000Hz	•	•	•	•
Lens :	PC	•	•	•	•
Body :	Aluminium	•	•	•	•
Weight :	1.2kg	1.2kg	1.2kg	1.2kg	1.5kg
IP Rating :	IP68	•	•	•	•
	IP6K9K	•	•	•	•
	SAE J1455	•	•	•	•
Salt Mist :	ISO 9227 240H	•	•	•	•
EMC :	ISO 13766	•	•	•	•
	ISO 14982	•	•	•	•
	ISO 7637-2	•	•	•	•
	CISPR 25 Class 3	•	•	CISPR 25 Class 5	CISPR 25 Class 3
Operating Temperatures :	-40°C ... +85°C	•	•	•	•
	(Overheat protected)	•	•	•	•

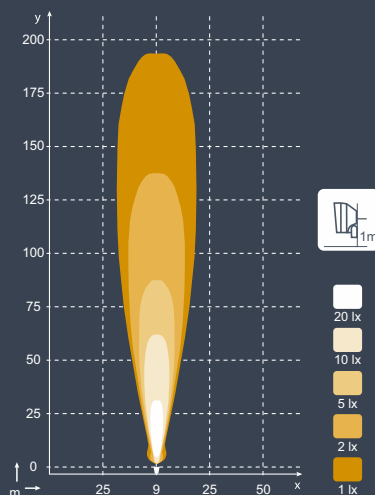
Not all products are available in all markets. During continuous improvement specifications and design are changing. Illustrations does not necessarily show the design of every version and some features are version specific. The lumens output varies depending on lens colour.

Light Patterns

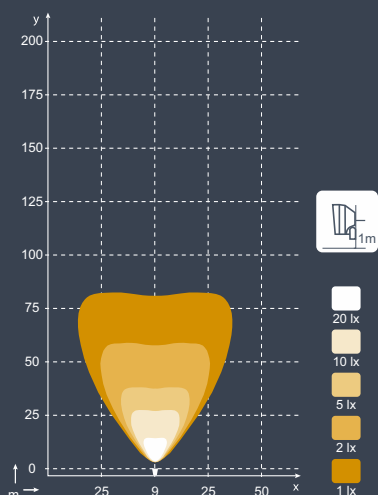
**N3301 4200lm
High Beam**



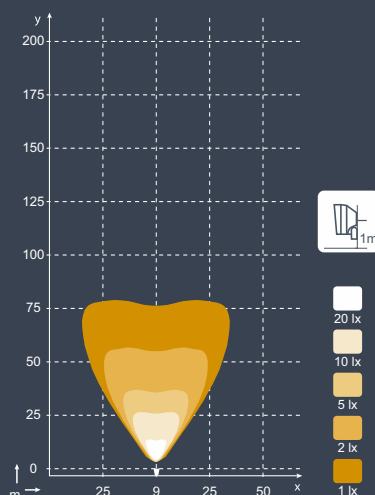
**N3302 3000lm
High Beam**



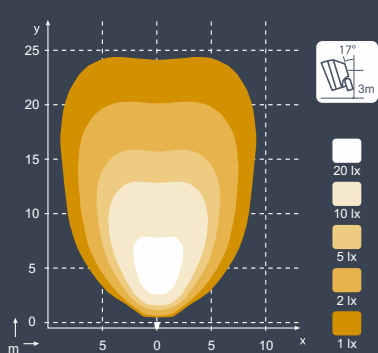
**N3301 4200lm
Low Beam**



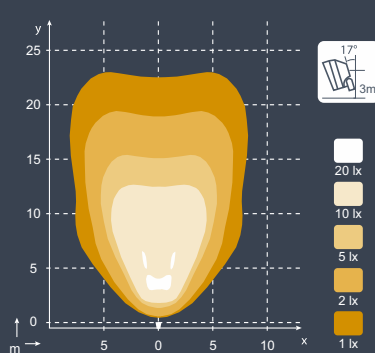
**N3302 3000lm
Low Beam**



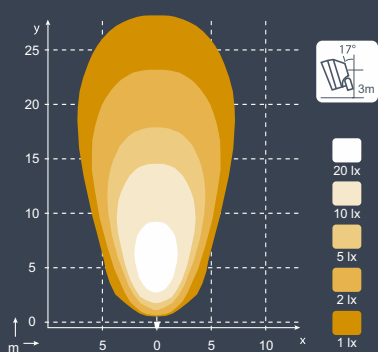
**N3301 4200lm
Wide Flood**



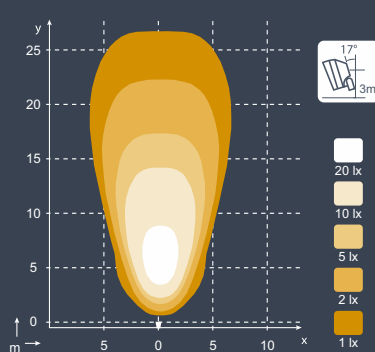
**N3302 3000lm
Wide Flood**



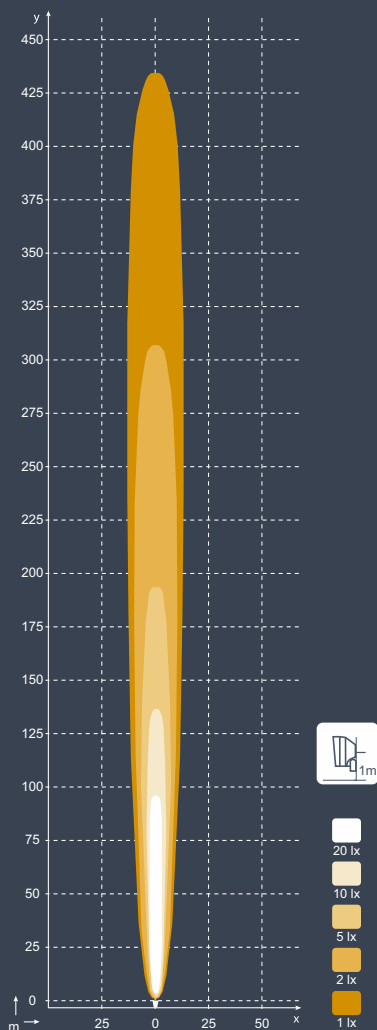
**N3301 4200lm
Flood**



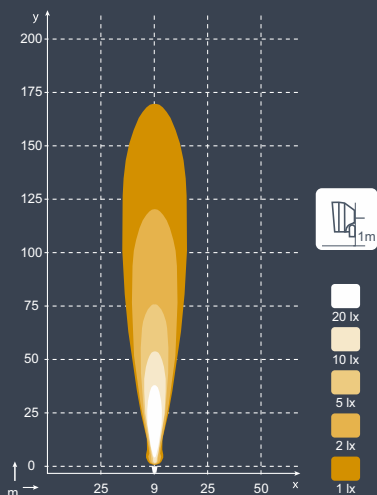
**N3302 3000lm
Flood**



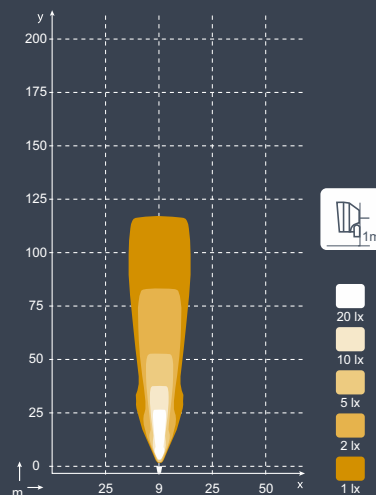
**N3303 2300lm
Pencil Beam**



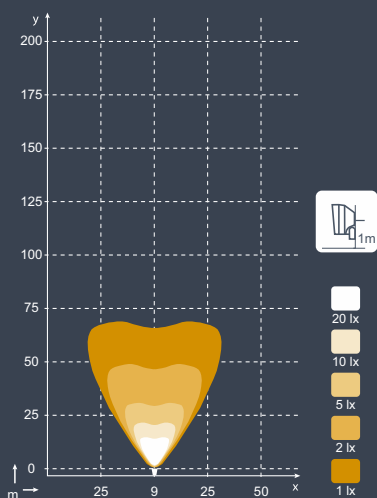
**N3304 2000lm
High Beam**



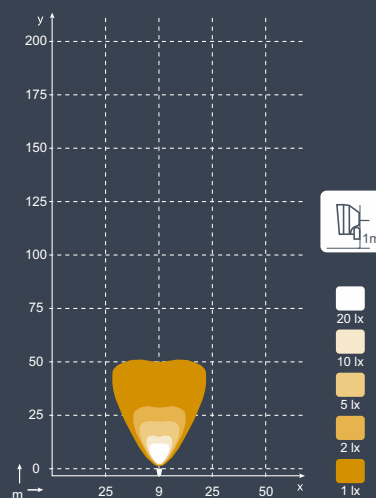
**N33 2100lm
High Beam**



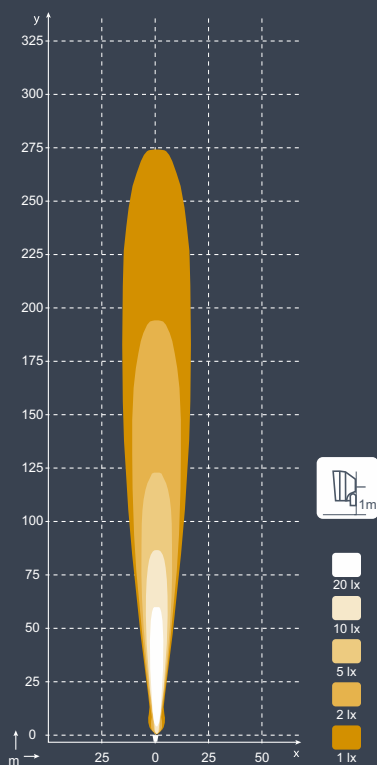
**N3304 2000lm
Low Beam**



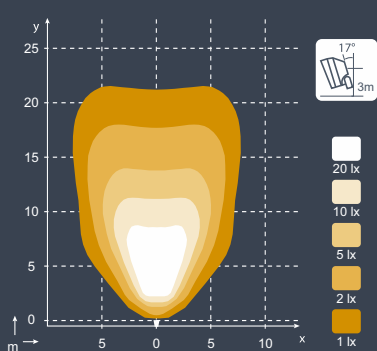
**N33 2100lm
Low Beam**



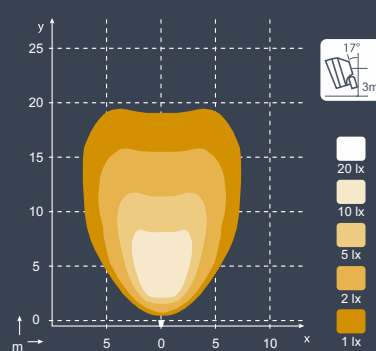
**N3303 2300lm
High Beam**



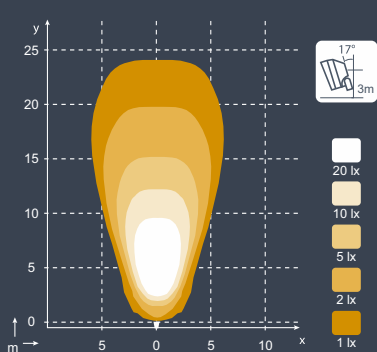
**N3304 2000lm
Wide Flood**



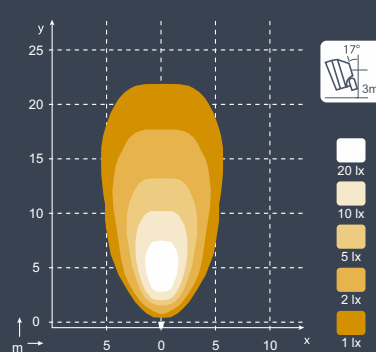
**N33 2100lm
Wide Flood**



**N3304 2000lm
Flood**



**N33 2100lm
Flood**



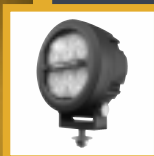


NORDIC VIRGO LED

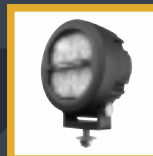
The Nordic VIRGO LED work lamp offers high durability with low maintenance.

The VIRGO LED is available with four different lumens levels and five different lens colours. The lamp is made to withstand tough conditions.

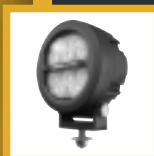
Versions



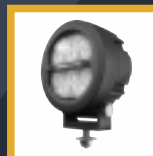
N3101 4200lm



N3102 3000lm



N3103 2300lm



N3104 2000lm



N31 2100lm

Features



Long Lifetime



Low Maintenance



Waterproof



Heavy Duty Construction



Reverse Voltage Protected



EMC



Load Dump Protected



Over Voltage Protected



Overheat Protected



Salt Mist



Optically Even Distribution of Light Pattern



Strong Light Pattern



Different Lens Colour Versions Available



Replaceable Lens



Compact



High Light Output



High Lumens/Watt Efficiency



Multi Voltage



Dimmable

Connectors



Built-in Deutsch 2-pin

Lenses



Transparent



White



Yellow



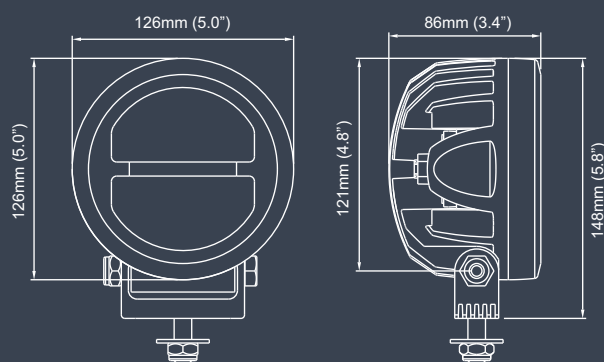
Amber



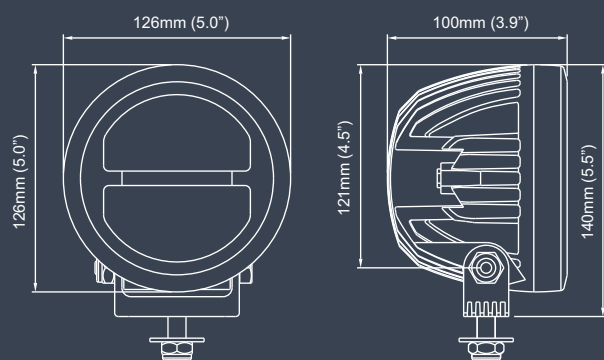
Red

Drawings

N3101, N3102, N3103 and N3104



N31



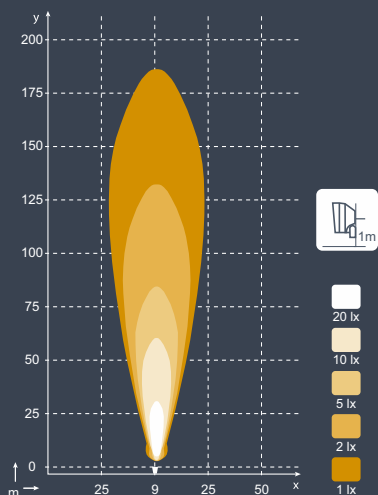
Specifications

	N3101	N3102	N3103	N3104	N31
Theoretical Lumens Output :	6700lm	4800lm	3700lm	3200lm	3400lm
Operational Lumens Output :	4200lm	3000lm	2300lm	2000lm	2100lm
Colour Temperature :	6000K	5700K	5700K	5700K	5700K
Nominal Voltage DC :	12-24V	•	•	•	•
Input Voltage Range DC :	9-32V	•	•	•	•
Power Consumption :	50W	45W	40W	40W	35W
Nominal Current at 12V :	4.2A	3.8A	3.4A	3.4A	3.0A
24V :	2.1A	1.9A	1.7A	1.7A	1.5A
Electronics :	Integrated	•	•	•	•
Connector :	Built-in Deutsch	•	•	•	•
Mount :	Single Bolt M10	•	•	•	•
Shock :	60G	•	•	•	•
Vibration :	15.3Grms 24-2000Hz	•	•	•	•
Lens :	PC	•	•	•	•
Body :	Aluminium	•	•	•	•
Weight :	1.3kg	1.3kg	1.3kg	1.3kg	1.6kg
IP Rating :	IP68	•	•	•	•
	IP6K9K	•	•	•	•
	SAE J1455	•	•	•	•
Salt Mist :	ISO 9227 240H	•	•	•	•
EMC :	ISO 13766	•	•	•	•
	ISO 14982	•	•	•	•
	ISO 7637-2	•	•	•	•
	CISPR 25 Class 3	•	•	CISPR 25 Class 5	CISPR 25 Class 3
Operating Temperatures :	-40°C ... +85°C	•	•	•	•
	(Overheat protected)	•	•	•	•

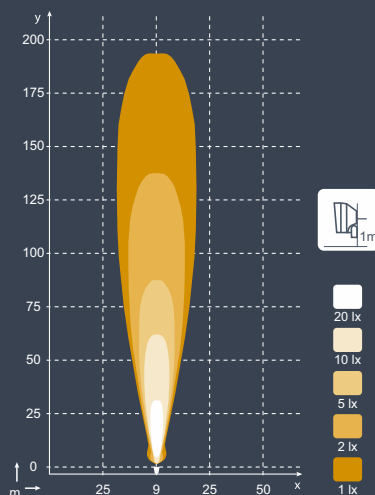
Not all products are available in all markets. During continuous improvement specifications and design are changing. Illustrations does not necessarily show the design of every version and some features are version specific. The lumens output varies depending on lens colour.

Light Patterns

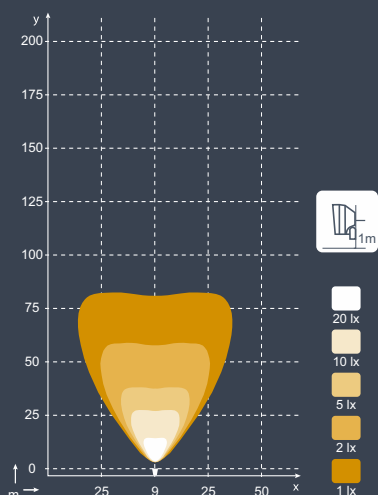
**N3101 4200lm
High Beam**



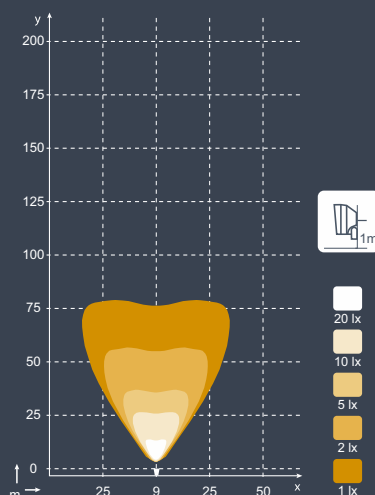
**N3102 3000lm
High Beam**



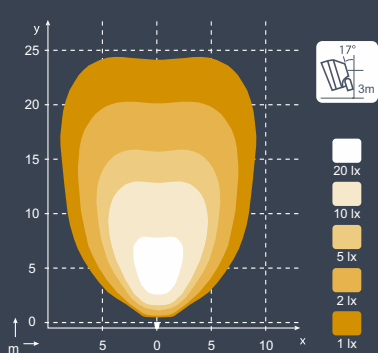
**N3101 4200lm
Low Beam**



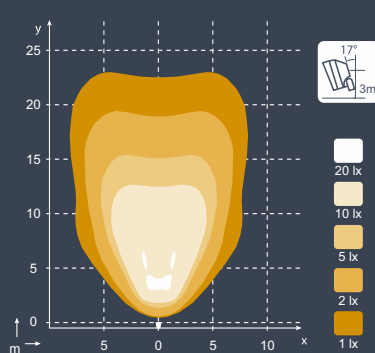
**N3102 3000lm
Low Beam**



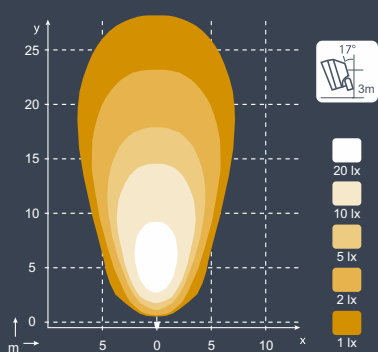
**N3101 4200lm
Wide Flood**



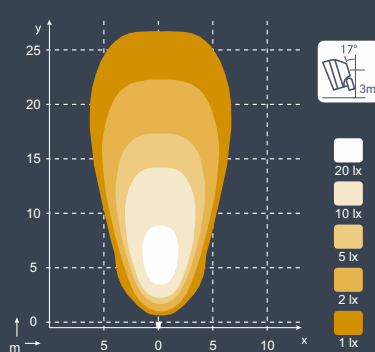
**N3102 3000lm
Wide Flood**



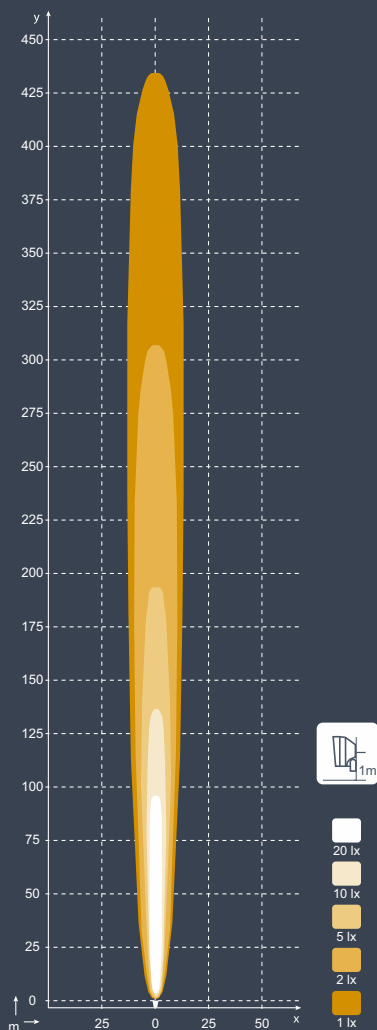
**N3101 4200lm
Flood**



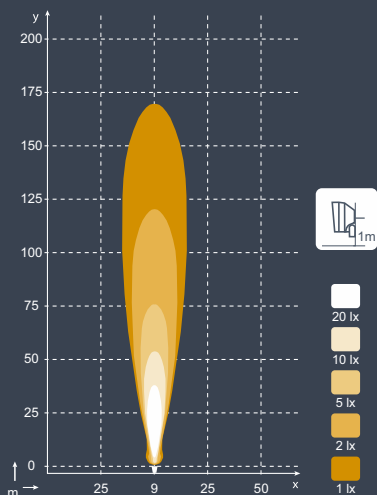
**N3102 3000lm
Flood**



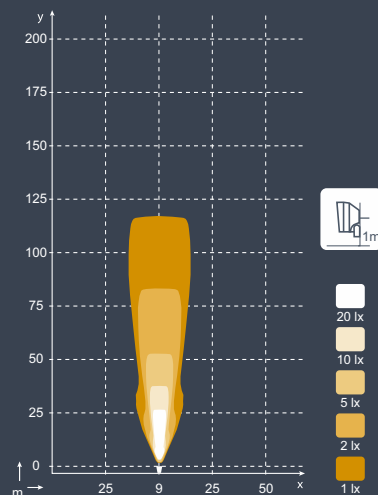
**N3103 2300lm
Pencil Beam**



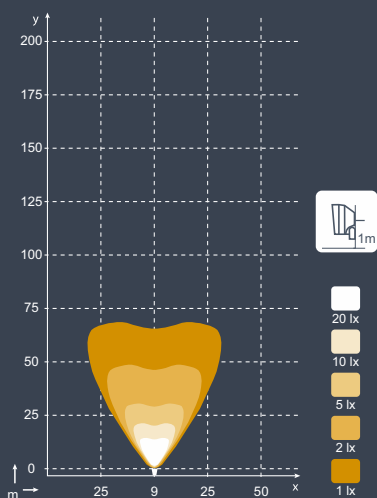
**N3104 2000lm
High Beam**



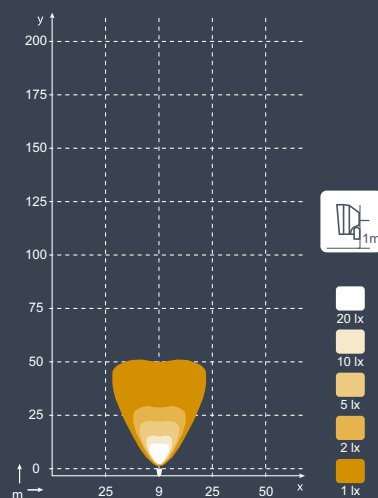
**N31 2100lm
High Beam**



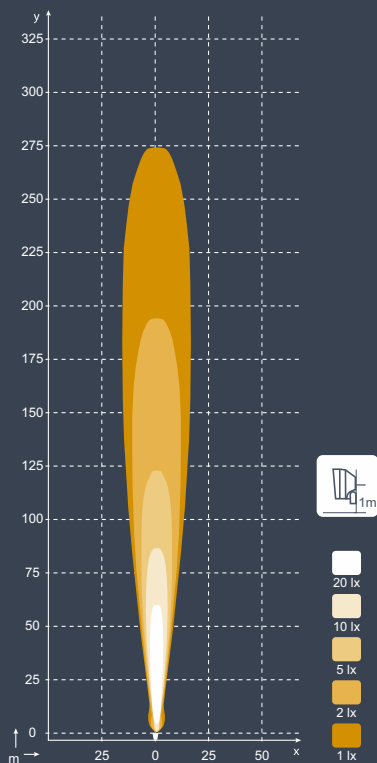
**N3104 2000lm
Low Beam**



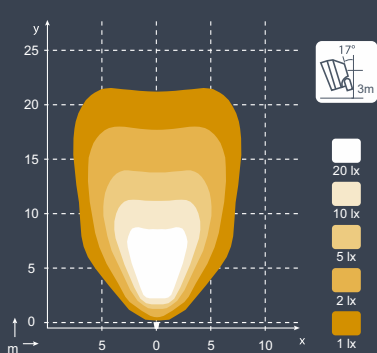
**N31 2100lm
Low Beam**



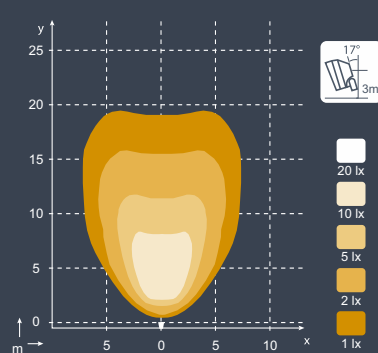
**N3103 2300lm
High Beam**



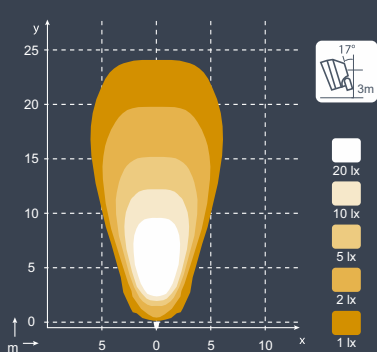
**N3104 2000lm
Wide Flood**



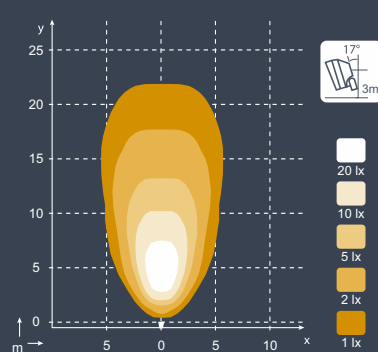
**N31 2100lm
Wide Flood**



**N3104 2000lm
Flood**



**N31 2100lm
Flood**





NORDIC SPICA LED

The Nordic SPICA LED work lamp offers a durable compact lighting solution.

The Nordic SPICA LED is available with four different lumens levels and five different lens colours. The work lamp is available as Reverse light, with Handle and Switch, with extensive multi voltage developed for fork trucks and also with dimmable function.

Versions



N2401 750lm
Dimmable



N26 700lm
Extensive Multi
Voltage



N24 600lm



N24 600lm
Handle & Switch



N24 450lm
Reverse

Features



Long Lifetime



Low
Maintenance



Waterproof



Heavy Duty
Construction



Reverse Voltage
Protected



EMC



Load Dump
Protected



Over Voltage
Protected



Overheat
Protected



Salt Mist



Optically Even
Distribution of
Light Pattern



Different Lens
Colour Versions
Available



Compact



Multi Voltage



Low Power
Consumption



Available with
Handle and
Switch



Available as
Reverse Light



Dimmable

Connectors



Built-in Deutsch
2-pin



Built-in
AMP

Lenses



Transparent



White



Yellow



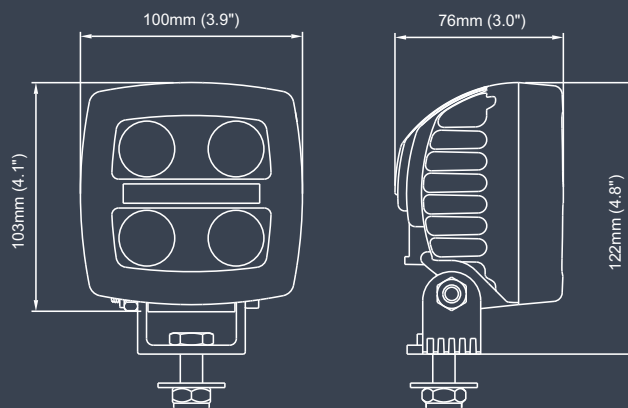
Amber



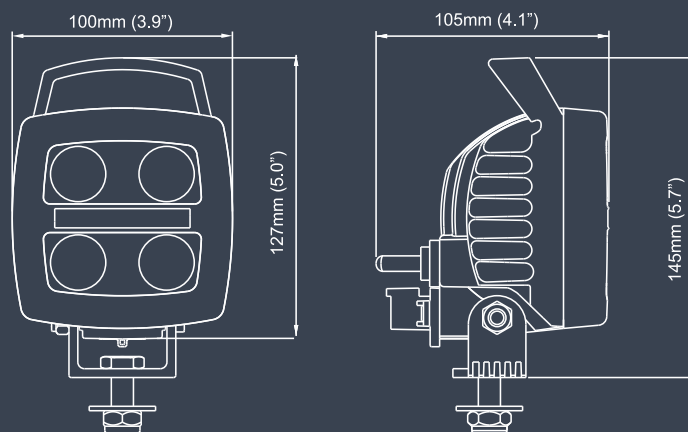
Red

Drawings

N2401, N26, N24 and N24 R



N24 HS



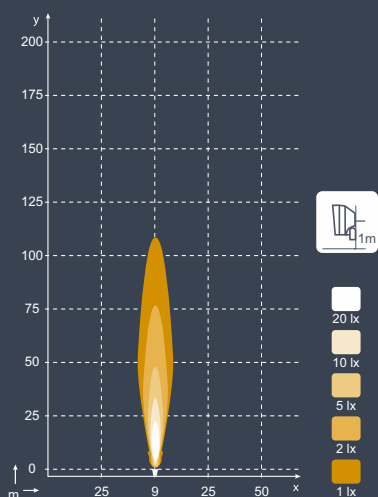
Specifications

	N2401	N26	N24	N24 HS	N24 R
Approval :					ECE R23
Theoretical Lumens Output :	1200lm	1100lm	1000lm	1000lm	700lm
Operational Lumens Output :	750lm	700lm	600lm	600lm	450lm
Colour Temperature :	5700K	5700K	6000K	6000K	5000K
Nominal Voltage DC :	12-24V	12-80V	12-24V	12-24V	12-24V
Input Voltage Range DC :	9-32V	9-110V	9-32V	9-32V	9-32V
Power Consumption :	24W	17W	18W	18W	15W
Nominal Current at					
12V :	2.0A	1.4A	1.5A	1.5A	1.2A
24V :	1.0A		0.75A	0.75A	0.6A
48V :		0.35A			
80V :		0.21A			
Electronics :	Integrated	•	•	•	•
Connector :	Built-in Deutsch 2-pin	•	•	•	•
	Built-in AMP	•	•	•	•
Mount :	Single Bolt M8 or M10	•	•	•	•
Shock :	60G	•	•	•	•
Vibration :	8Grms 24-2000Hz	•	•	•	•
Lens :	PC	•	•	•	•
Body :	Aluminium	•	•	•	•
Weight :	0.9kg	•	•	•	•
IP Rating :	IP68	•	•	•	•
	IP6K9K	•	•	•	•
	SAE J1455	•	•	•	•
Salt Mist :	ISO 9227 240H	•	•	•	•
EMC :	ISO 13766	•	•	•	•
	ISO 14982	•	•	•	•
	ISO 7637-2	•	•	•	•
	EN 12895	•	•	•	•
	CISPR 25 Class 3	•	•	•	•
					R10
Operating Temperatures :	-40°C ... +85°C	•	•	•	•
	(Overheat protected)	•	•	•	•

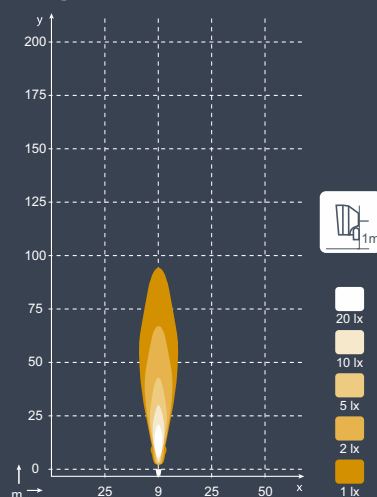
Not all products are available in all markets. During continuous improvement specifications and design are changing. Illustrations does not necessarily show the design of every version and some features are version specific. The lumens output varies depending on lens colour.

Light Patterns

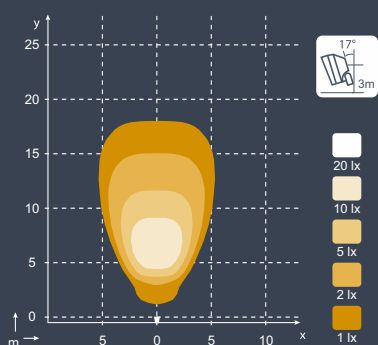
**N2401 750lm
High Beam**



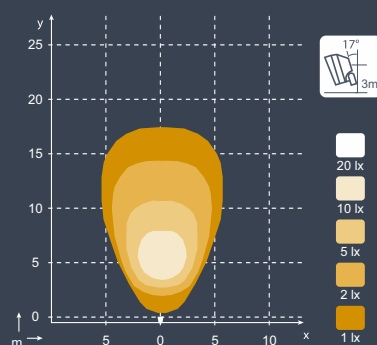
**N26 700lm
High Beam**



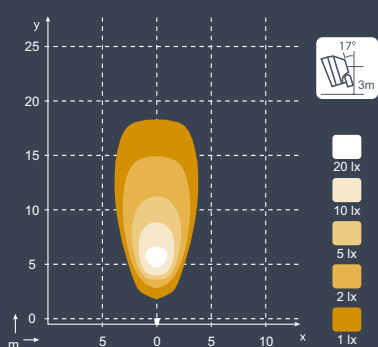
**N2401 750lm
Wide Flood**



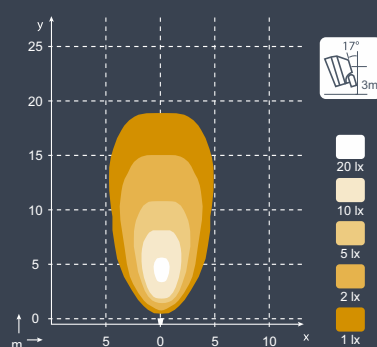
**N26 700lm
Wide Flood**



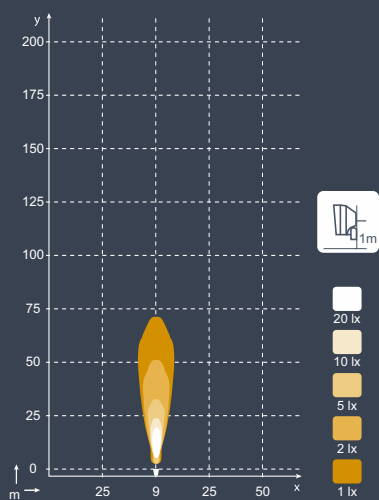
**N2401 750lm
Flood**



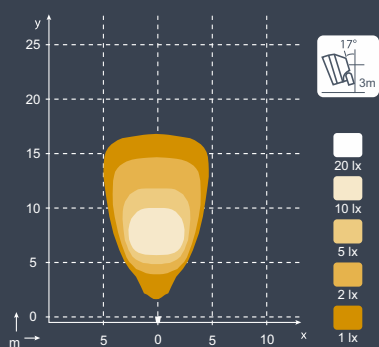
**N26 700lm
Flood**



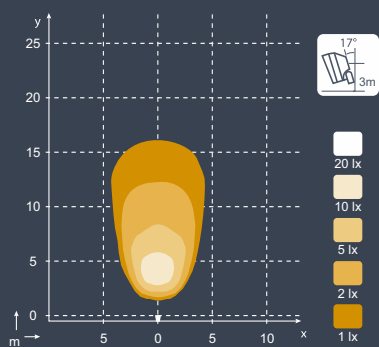
N24 600lm High Beam



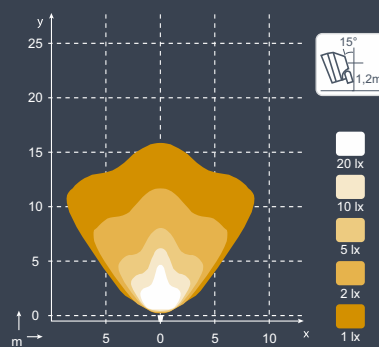
N24 600lm Wide Flood



N24 600lm Flood



N24 R 450lm Reverse





NORDIC CANIS LED

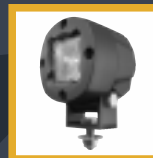
The Nordic CANIS LED work lamp offers an ultra compact and lightweight lighting solution.

The Nordic CANIS LED is suitable for mounting in tight places and delivers strong illumination in relation to its size. Suitable for applications needing to withstand the powers of nature.

Versions



N2001 850lm



N2002 480lm
Reverse

Features



Long Lifetime



Low Maintenance



Waterproof



Heavy Duty Construction



Reverse Voltage Protected



EMC



Load Dump Protected



Over Voltage Protected



Overheat Protected



Salt Mist



Optically Even Distribution of Light Pattern



Different Lens Colour Versions Available



Ultra Compact



Multi Voltage



Low Power Consumption



Light Weight



Modern Design



Available as Reverse light

Connectors



Built-in Deutsch 2-pin

Lenses



Transparent



White



Yellow



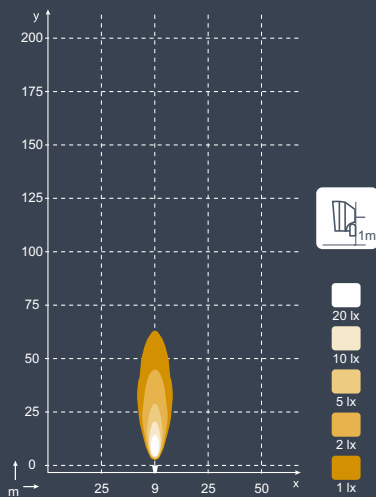
Amber



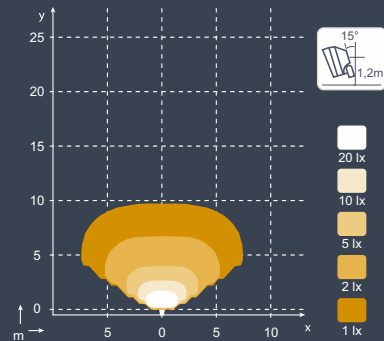
Red

Light Patterns

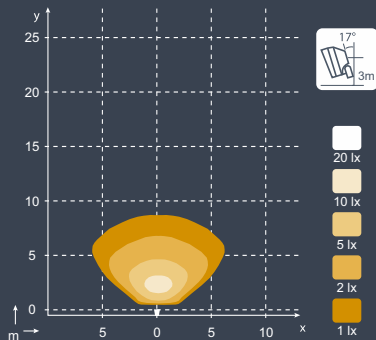
**N2001 850lm
High Beam**



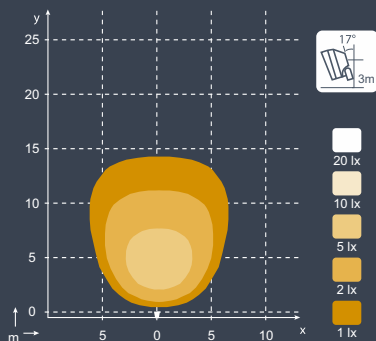
**N2002 480lm
Reverse**



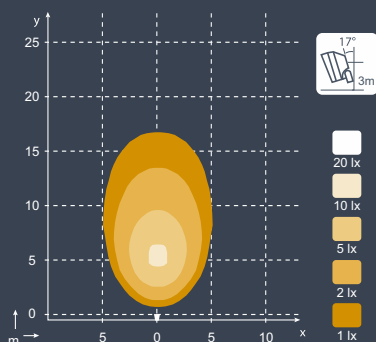
**N2001 850lm
Super Wide**



**N2001 850lm
Wide Flood**

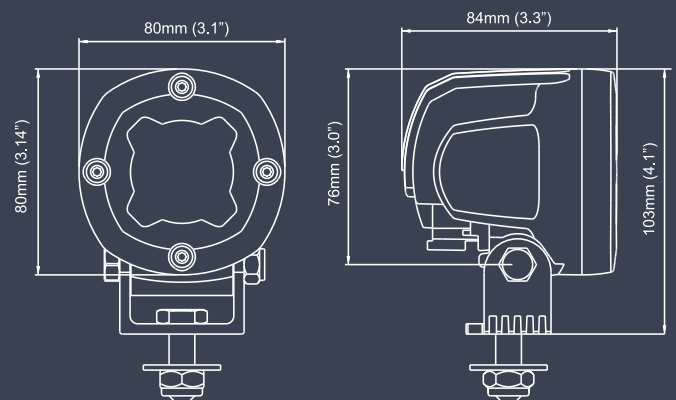


**N2001 850lm
Flood**



Drawings

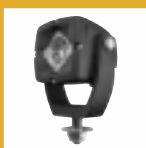
N2001 and N2002



Specifications

	N2001	N2002 R
Approvals		ECE R23
Theoretical Lumens Output :	1350lm	770lm
Operational Lumens Output :	850lm	480lm
Colour Temperature :	5700K	•
Nominal Voltage DC :	12-48V	•
Input Voltage Range DC :	9-68V	•
Power Consumption :	13W	•
Nominal Current at 12V :	1.0A	•
24V :	0.5A	•
48V :	0.25A	•
Electronics :	Integrated	•
Connector :	Built-in Deutsch 2-pin	•
Mount :	Single Bolt M8 or M10	•
Shock :	60G	•
Vibration :	8Grms 24-2000Hz	•
Lens :	PC	•
Body :	Aluminium	•
Weight :	0.6kg	•
IP Rating :	IP68	•
	IP6K9K	•
	SAE J1455	•
Salt Mist :	ISO 9227 240H	•
EMC :	ISO 13766	•
	ISO 14982	•
	ISO 7637-2	•
	EN12895	•
	CISPR 25 Class 3	•
		R10
Operating Temperatures :	-40°C ... +85°C	•
	(Overheat protected)	•

Not all products are available in all markets. During continuous improvement specifications and design are changing. Illustrations does not necessarily show the design of every version and some features are version specific. The lumens output varies depending on lens colour.



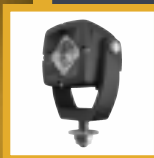
Stronger
Heavy Duty
Bracket on
B version

NORDIC CAPELLA LED

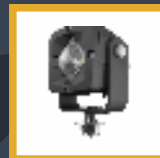
The Nordic CAPELLA LED work light is extremely compact in size and light in weight. This work light can be mounted in very tight places where you are not able to fit a standard work light.

The CAPELLA LED N10 B version features a stronger heavy duty bracket for increased vibration resistance.

Versions



N10 B 350lm
Stronger Heavy
Duty Bracket



N10 350lm

Features



Long Lifetime



Low
Maintenance



Waterproof



Heavy Duty
Construction



Reverse Voltage
Protected



EMC



Load Dump
Protected



Over Voltage
Protected



Overheat
Protected



Salt Mist



Optically Even
Distribution of
Light Pattern



Ultra Compact



Multi Voltage



Low Power
Consumption



Light Weight



Modern Design

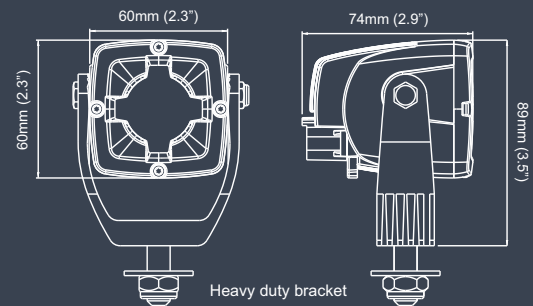
Connectors



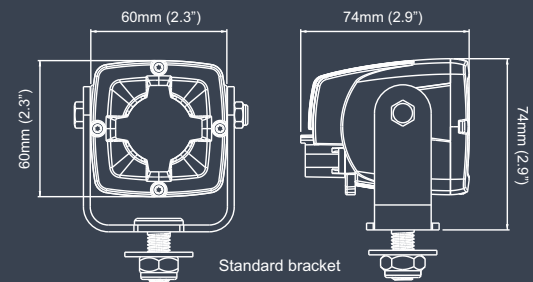
Built-in Deutsch 2-pin

Drawings

N10 B

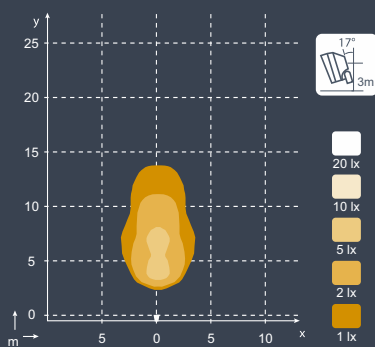


N10

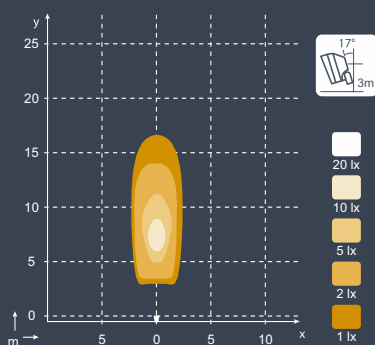


Light Patterns

N10 B and N10 350lm Wide Flood



N10 B and N10 350lm Flood



Specifications

	N10 B	N10
Theoretical Lumens Output :	550lm	•
Operational Lumens Output :	350lm	•
Colour Temperature :	6000K	•
Nominal Voltage DC :	12-48V	•
Input Voltage Range DC :	9-68V	•
Power Consumption :	6W	•
Nominal Current at 12V :	0.5A	•
24V :	0.25A	•
48V :	0.13A	•
Electronics :	Integrated – Coated Seal	•
Connector :	Built-in Deutsch 2-pin	•
Mount :	Single Bolt M10	•
Shock :	60G	•
Vibration :	15.3Grms 24-2000Hz	8Grms 24-2000Hz
Lens :	PC	•
Body :	Aluminium	•
Weight :	0.3kg	•
IP Rating :	IP68	•
	IP6K9K	•
	SAE J1455	•
Salt Mist :	ISO 9227 240H	•
EMC :	ISO 13766	•
	ISO 14982	•
	ISO 7637-2	•
	EN12895	•
	CISPR 25 Class 3	•
Operating Temperatures :	-40°C ... +85°C	•
	(Overheat protected)	•

Not all products are available in all markets. During continuous improvement specifications and design are changing. Illustrations does not necessarily show the design of every version and some features are version specific. The lumens output varies depending on lens colour.



NORDIC TAURUS LED

The Nordic TAURUS LED work lamp is ideal for illuminating short distances in any 24V environment, for instance in machine rooms or on the body of applications.

Equipped with all the heavy duty features of Nordic Lights work lamps it is suitable for applications needing to withstand the powers of nature.

Versions



N7201 1950lm

Features



Long Lifetime



Heavy Duty Construction



Load Dump Protected



Salt Mist



Low Maintenance



Reverse Voltage Protected



Over Voltage Protected



Optically Even Distribution of Light Pattern



Waterproof



EMC



Overheat Protected



Multi Voltage

Connectors

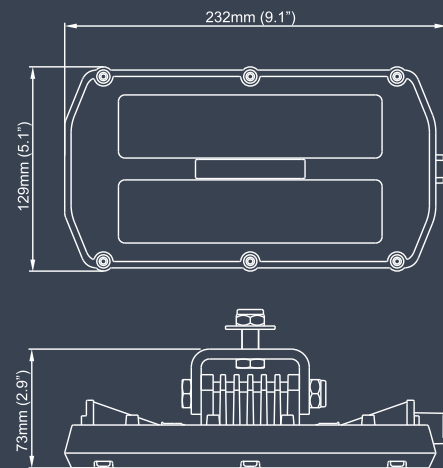


Built-in Deutsch 2-pin (left or right)



Drawings

N7201



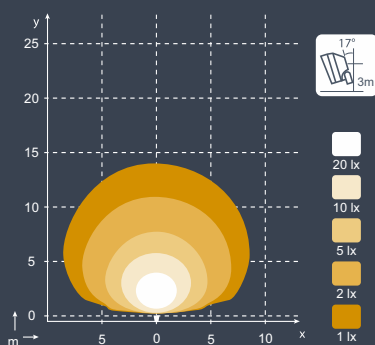
Specifications

N7201	
Theoretical Lumens Output :	3100lm
Operational Lumens Output :	1950lm
Colour Temperature :	5300K
Nominal Voltage DC :	12-24V
Input Voltage Range DC :	9-32V
Power Consumption :	30W
Nominal Current at 12V :	2.5A
24V :	1.25A
Electronics :	Integrated
Connector :	Built-in Deutsch 2-pin (left or right)
Mount :	Single Bolt M10
Shock :	60G
Vibration :	15.3Grms 24-2000Hz
Lens :	PC
Body :	Aluminium
Weight :	1.3kg
IP Rating :	IP68
	IP6K9K
	SAE J1455
Salt Mist :	ISO 9227 240H
EMC :	ISO 13766
	ISO 14982
	ISO 7637-2
	CISPR 25 Class 3
Operating Temperatures :	-40°C ... +85°C
	(Overheat protected)

Not all products are available in all markets. During continuous improvement specifications and design are changing. Illustrations does not necessarily show the design of every version and some features are version specific. The lumens output varies depending on lens colour.

Light Patterns

N7201 1950lm Super Flood





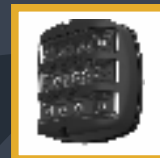
NORDIC DORADO LED

The Nordic DORADO LED tail light is designed for continuous heavy duty applications on heavy duty machines where incandescent tail lights will fail due to high vibration and shock. The DORADO LED features Tail, Stop and Indicator light. Also available as Flushmount version.

Versions



N70



N70 F

Features



Long Lifetime



Heavy Duty Construction



Load Dump Protected



Salt Mist



Low Power Consumption



Integrating Tail, Stop and Indicator in One Assembly



Low Maintenance



Reverse Voltage Protected



Over Voltage Protected



Compact



Potted Electronics



Tell Tale Available



Waterproof



EMC



Overheat Protected



Multi Voltage



Light Weight

Connectors

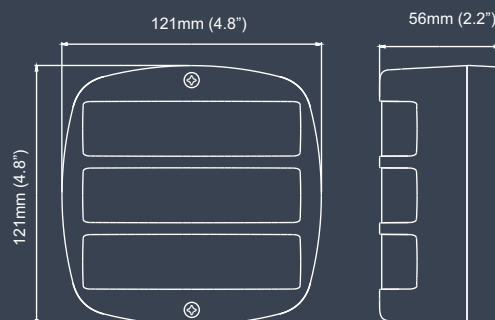


4 pin Male Terminal 6.3 x 0.8

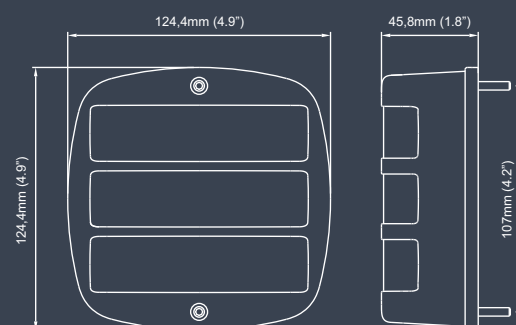


Drawings

N70



N70 F



Specifications

N70	
Approval :	ECE E4 6R & 7R
Nominal Voltage DC :	12 or 24V
Input Voltage Range DC :	8-16 or 18-32V
Power Consumption :	Tail 0.4W
	Brake 1.4W
	Indicator 1.4W
Nominal Current at 12V :	Tail 34mA
	Brake 116mA
	Indicator 116mA
24V :	Tail 17mA
	Brake 58mA
	Indicator 58mA
Electronics :	Integrated – Epoxy Encapsulated
Connector :	4 pin Male Terminal 6.3 x 0.8
Mount :	M6x25 2pcs
Shock :	60G
Vibration :	20Grms 24-2000Hz
Lens :	PC
Body :	Polyamide
Weight :	0.4kg
IP Rating :	IP68
Salt Mist :	ISO 9227 240H
EMC :	ISO 13766
	ISO 14982
	ISO 7637-2
	EN12895
Operating Temperatures :	-40°C ... +85°C
	(Overheat protected)

Not all products are available in all markets. During continuous improvement specifications and design are changing. Illustrations does not necessarily show the design of every version and some features are version specific. The lumens output varies depending on lens colour.



NORDIC KL10XX LED

The Nordic KL10XX LED work light is an affordable upgrade for your lighting needs. The KL10XX LED matches the basic introduction level needs for heavy duty lighting and is the right light when replacing halogen work lights.

Versions



KL1001 1000lm



KL1002 1500lm

Features



Long Lifetime



Low Maintenance



Water Proof



Heavy Duty Construction



Reverse Voltage Protected



EMC



Load Dump Protected



Over Voltage Protected



Overheat Protected



Salt Mist



Optically Even Distribution of Light Pattern



Compact



Multi Voltage



Dimmable

Connectors



Pigtail Deutsch 2-pin

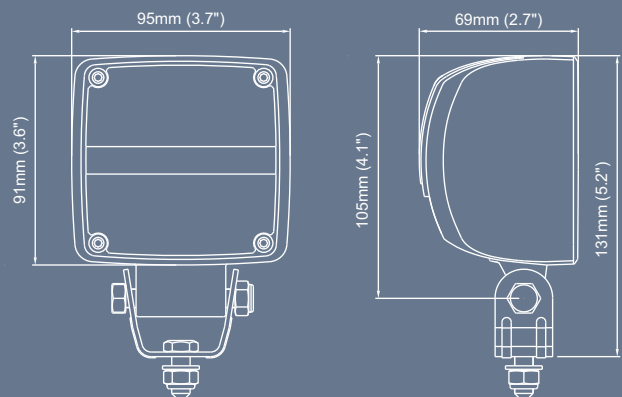


Fly Leads

**LIGHTS FOR
HEAVY DUTY**

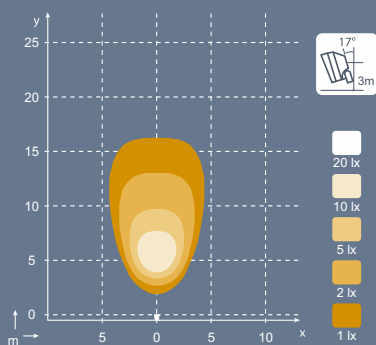
Drawings

KL1001 and KL1002

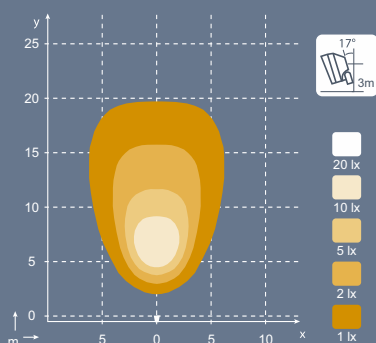


Light Patterns

KL1001 1000lm Flood



KL1002 1500lm Flood



Specifications

	KL1001	KL 1002
Theoretical Lumens Output :	1600lm	2400lm
Operational Lumens Output :	1000lm	1500lm
Colour Temperature :	5700K	•
Nominal Voltage DC :	12-24V	•
Input Voltage Range DC :	9-32V	•
Power Consumption :	24W	•
Nominal Current at		•
12V :	2.0A	•
24V :	1.0A	*
Electronics :	Integrated	•
Connector :	Pigtail Deutsch 2-pin	•
	Fly Leads	•
Mount :	Single Bolt M8 or M10	•
Shock :	60G	•
Vibration :	N/A	•
	HD Bracket	•
	8Grms 24-2000Hz	•
Lens :	PC	•
Body :	Aluminium	•
Weight :	0.7kg	•
IP Rating :	IP68	•
	IP6K9K	•
	SAE J1455	•
Salt Mist :	N/A	•
	ISO 9227 240H	•
EMC :	ISO 13766	•
	ISO 14982	•
	ISO 7637-2	•
	EN12895	•
	CISPR 25 Class 5	•
Operating Temperatures :	-40°C ... +85°C	•
	(Overheat protected)	•

Not all products are available in all markets. During continuous improvement specifications and design are changing. Illustrations does not necessarily show the design of every version and some features are version specific. The lumens output varies depending on lens colour.



NORDIC KL11XX LED

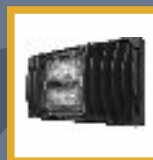
The Nordic KL11XX LED work light is a rectangular LED work lamp for surface mount on the application body.

The KL11XX LED matches the basic introduction level needs for heavy duty lighting and is the right light when replacing halogen work lights.

Versions



KL1101
1000lm



KL1102
1500lm

Features



Long Lifetime



Low Maintenance



Waterproof



Heavy Duty Construction



Reverse Voltage Protected



EMC



Load Dump Protected



Over Voltage Protected



Overheat Protected



Salt Mist



Optically Even Distribution of Light Pattern



Compact



Multi Voltage



Dimmable



Suitable and Easy Fit for Many Applications

Connectors



Pigtail Deutsch 2-pin



Fly Leads



Pigtail AMP

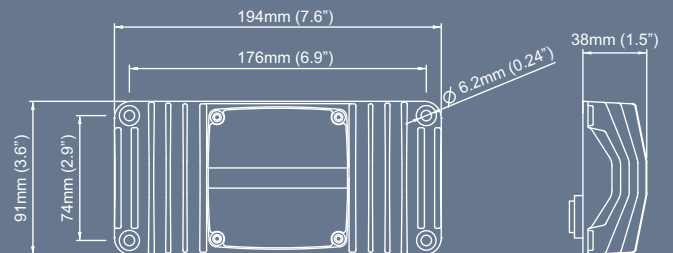


Pigtail PGJ19-5

**LIGHTS FOR
HEAVY DUTY**

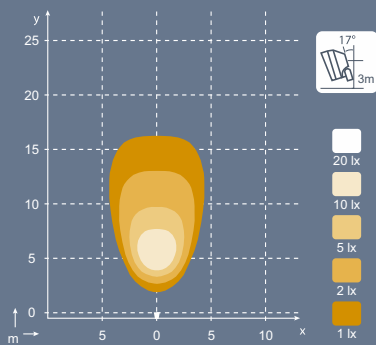
Drawings

KL1101 and KL1102

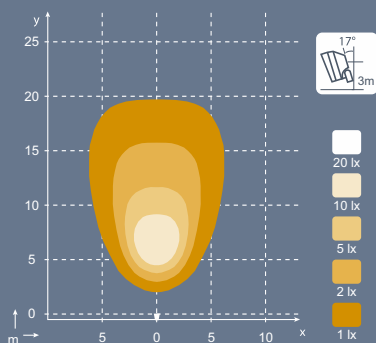


Light Patterns

KL1101 1000lm Flood



KL1102 1500lm Flood



Specifications

	KL1101	KL 1102
Theoretical Lumens Output :	1600lm	2400lm
Operational Lumens Output :	1000lm	1500lm
Colour Temperature :	5700K	•
Nominal Voltage DC :	12-24V	•
Input Voltage Range DC :	9-32V	•
Power Consumption :	24W	•
Nominal Current at 12V :	2.0A	•
24V :	1.0A	•
Electronics :	Integrated	•
Connector :	Pigtail Deutsch 2-pin	•
	Pigtail AMP	•
	Pigtail PGJ19-5	•
	Fly Leads	•
Mount :	Integrated	•
Shock :	60G	•
Vibration :	8Grms 24-2000Hz	•
Lens :	PC	•
Body :	Aluminium	•
Weight :	0.45kg	•
IP Rating :	IP68	•
	IP6K9K	•
	SAE J1455	•
Salt Mist :	ISO 9227 240H	•
EMC :	ISO 13766	•
	ISO 14982	•
	ISO 7637-2	•
	EN12895	•
	CISPR 25 Class 5	•
Operating Temperatures :	-40°C ... +85°C	•
	(Overheat protected)	•

Not all products are available in all markets. During continuous improvement specifications and design are changing. Illustrations does not necessarily show the design of every version and some features are version specific. The lumens output varies depending on lens colour.



Quake
Dampening

NORDIC SCULPTOR LED

The Nordic SCULPTOR LED integrates headlight, indicator and park light in one assembly. The light is very useful in agricultural, construction as well as truck and trailer applications.

The SCULTOR LED combination light is available as ECE approved version and a ideal LED solution for a headlamp/indicator requirement.

Versions



N6001 LED
Rear mount



N6002 LED
Pedestal mount

Features



Long Lifetime



Low
Maintenance



Waterproof



Heavy Duty
Construction



Reverse Voltage
Protected



EMC



Load Dump
Protected



Over Voltage
Protected



Overheat
Protected



Salt Mist



Optically Even
Distribution of
Light Pattern



Strong Light
Pattern



Multi Voltage



Headlight,
Indicator and
Park Light in
One Assembly



ECE

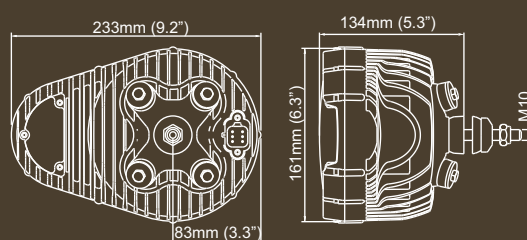
Connectors



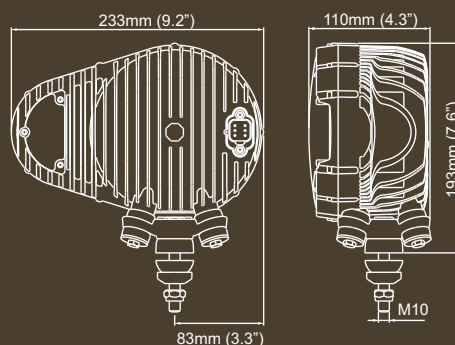
Built-in Deutsch
6-pin

Drawings

N6001

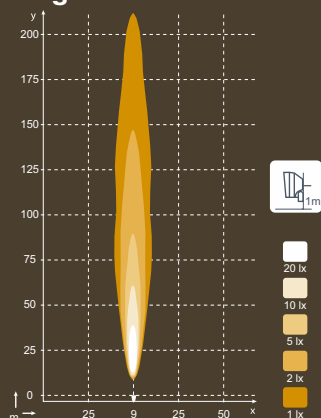


N6002

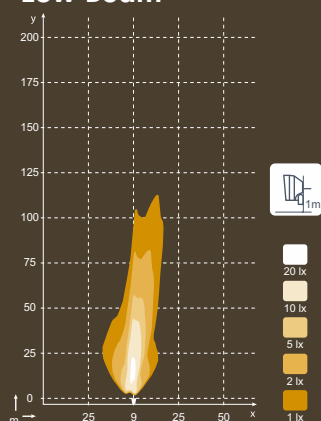


Light Patterns

N60XX ECE High Beam



N60XX ECE Low Beam



Specifications

	6001	6002
Approvals :	ECE	•
Colour Temperature :	5700K	•
Nominal Voltage DC :	12-24V	•
Input Voltage Range DC :	9-32V	•
Bulb :	Headlight 22W	•
	Indicator 17.5W	•
	Park 2.7W	•
Electronics :	Integrated	•
Connector :	Built-in Deutsch 6-pin	•
Mount :	Single Bolt M10	•
Shock :	60G	•
Vibration :	15.3 Grms 24-2000Hz	•
Lens :	PC	•
Body :	Aluminium	•
Weight :	1.5kg	•
IP Rating :	IP68	•
	IP6K9K	•
	SAE J1455	•
Salt Mist :	ISO 9227 240H	•
EMC	ISO 13766	•
	ISO 14982	•
	ISO 7637-2	•
	EN12895	•
	CISPR 25 Class 3	•
	R10	•
Operating Temperatures :	-40°C ... +85°C	•
	(Overheat protected)	•

Not all products are available in all markets. During continuous improvement specifications and design are changing. Illustrations does not necessarily show the design of every version and some features are version specific. The lumens output varies depending on lens colour.



3-Point
Vibration
Dampening

NORDIC N500 Halogen Series

The Nordic N500 Series is an ideal Heavy Duty headlight/indicator solution.

The N500 Series integrates headlight, indicator and park light in one assembly. The lamp is available with 3-point Vibration Dampener and in both ECE and SAE approved implementations.

Versions



N523 LED
Indicator
Pedestal
mount



N520 LED
Indicator
Pedestal
mount



N503 LED
Indicator
Rear mount



N500 LED
Indicator Rear
mount



N523 Halogen
Indicator
Pedestal
mount



N520 Halogen
Indicator
Pedestal
mount



N503 Halogen
Indicator
Rear mount



N500 Halogen
Indicator
Rear mount

Features



All in One
Lamp,
Integrating
Headlight,
Indicator and
Park Light in
One Assembly



Extra Wide
Viewing Angle
from Single
Indicator Lamp



Hardened
Glass Combined
with Polyamide
Housing



3-Point
Vibration
Dampening



SAE



ECE



Suitable and
Easy Fit for
Many
Applications



Salt Mist

Connectors



Built-in Deutsch
6-pin



Pigtail
Deutsch 6-pin



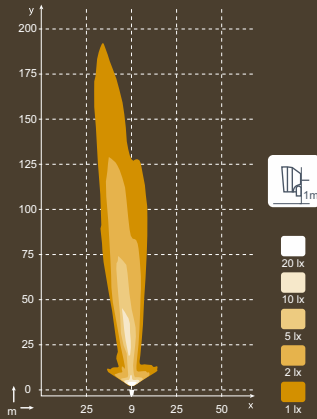
Grommet



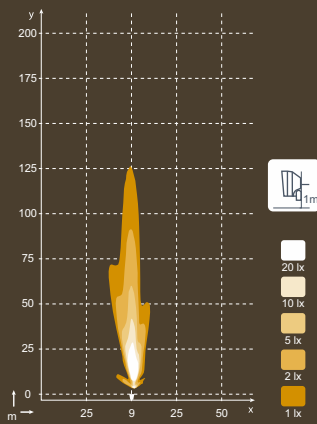
Built-in AMP
6-pin

Light Patterns

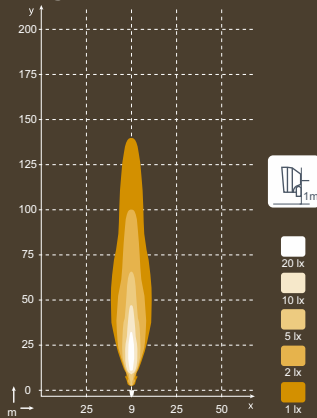
N5XX ECE High Beam



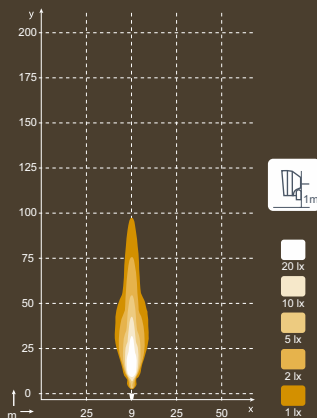
N5XX ECE Low Beam



N5XX SAE High Beam

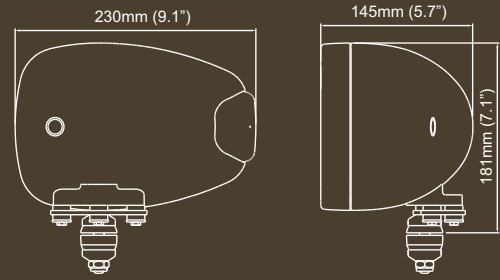


N5XX SAE Low Beam

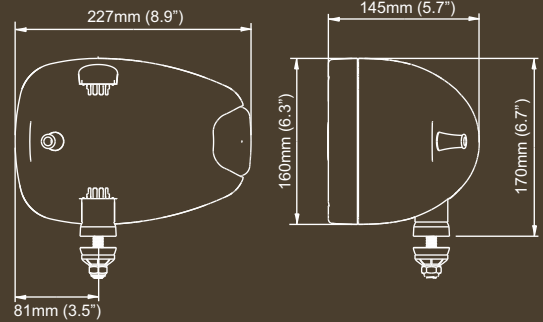


Drawings

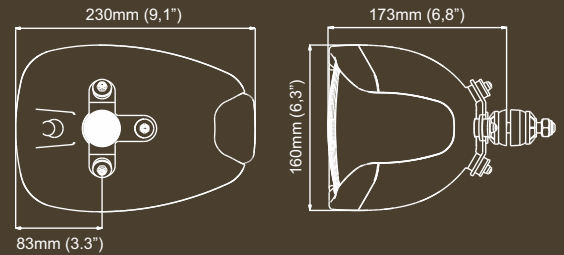
N523



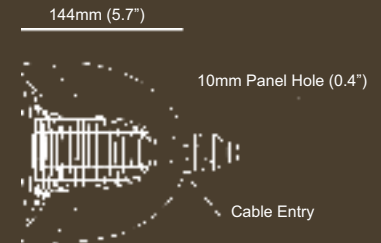
N520



N503



N500



Specifications

N500 SERIES			
Approvals :		ECE or SAE	
Colour Temperature :		3200K	
Nominal Voltage DC :		12 or 24V	
Input Voltage Range DC :		8-16 or 16-32V	
Bulb :	SAE	Headlight	9007 12V 65/55W HBS
		Indicator	P21W 12V BA15s
		Park	W5W 12V
	ECE	Headlight	24V 75/70W H4 (P43t)
		Indicator	24V PY21W (BAU15s)
		Park	24V W5W (W2.1x9.5d)
Electronics :		Integrated	
Connector :		Built-in Deutsch 6-pin	
		Pigtail Deutsch 6-pin	
		Grommet	
		Built-in AMP 6-pin	
Mount :		Single Bolt M10	
Vibration :		N503 & 523	10.8Grms 18-600Hz
Lens :		Hardened Glass	
Body :		Polyamide	
Weight :		1.5kg	
IP Rating :		IP54	
Salt Mist :		ISO 9227 240H	
Operating Temperatures :		-40°C ... +85°C	

Not all products are available in all markets. During continuous improvement specifications and design are changing. Illustrations does not necessarily show the design of every version and some features are version specific. The lumens output varies depending on lens colour.