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Abbreviations

D	Dampening	QD	Quake Dampening	TP
ECE	European Union Traffic Regulations	R	Reverse	TT
DS	Down Side	RH	Right Hand mount	US
F	Flushmount	S	Side mount	V
G	Generation	SAE	USA Traffic Regulations	XD
Н	Handle	SD	Super Dampening	
HS	Handle & Switch	SP	Single Power	
LΗ	Left Hand mount	TD	Suspended Pedestal mount (Top Down)	

- Twin Power Upright Pedestal mount (Top Top) Up Side
- Version
- Extreme Heavy Duty Dampening

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, truck, trailer & emergency and vessel 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 and 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® - the light laboratory

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.

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 we have our own extensive R&D department and laboratories enhances our capabilities to develop our own range and tailor made options. 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 durability of our lights also minimizes any unscheduled maintenance of your equipment. Flexibility and customer orientation have always been key words for our operations.

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.



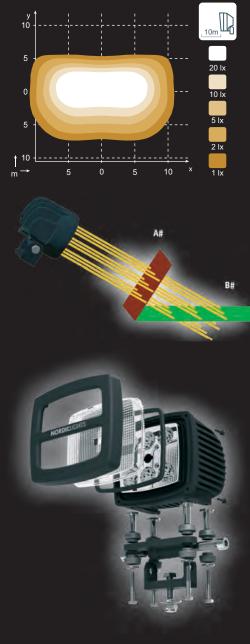
HID

1991 A.D.



High Power LED 1996 A.D.

Low Beam projected on wall at 10m



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 axles 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



Engineer adjusting work light during warm-up before test

the punishment of falling objects and collisions in the work area.

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

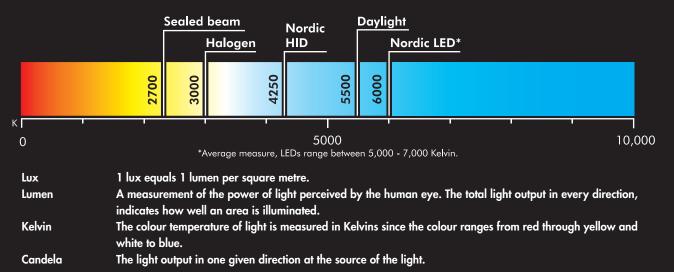
As well as the changes in temperature in the water tests mentioned above the lights are also exposed to complete repetitive thermal cycles. The light turns in a sealed environment where the temperature is raised from deep below zero to very hot before being lowered again to well below zero and so on. 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



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.



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



Production

Optical

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

Low Beam

Wide Flood

application.

light.

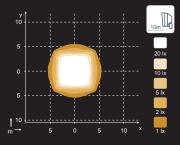
A High Beam light pattern is quite narrow, focusing straight ahead , producing a long-distance range of light.

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

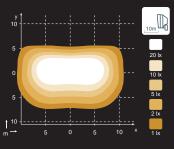
A Wide Flood light pattern has a very wide spread of

the light for lighting up the whole work area close to the

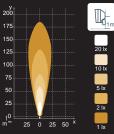
High Beam projected on wall at 10m



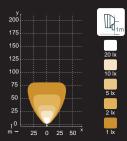
Low Beam projected on wall at 10m



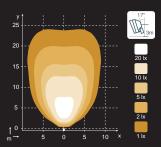
High Beam projected on surface #A



Low Beam projected on surface #A



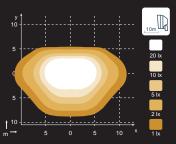
Wide Flood projected on surface #B



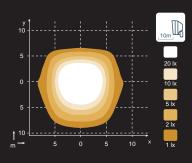
Flood

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

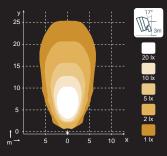
Wide Flood projected on wall at 10m



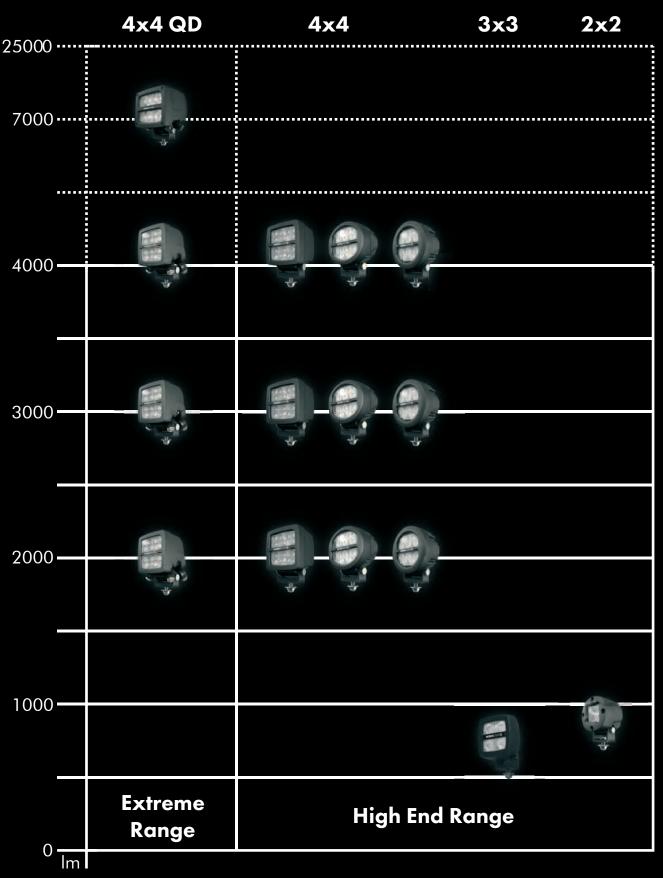
Flood projected on wall at 10m



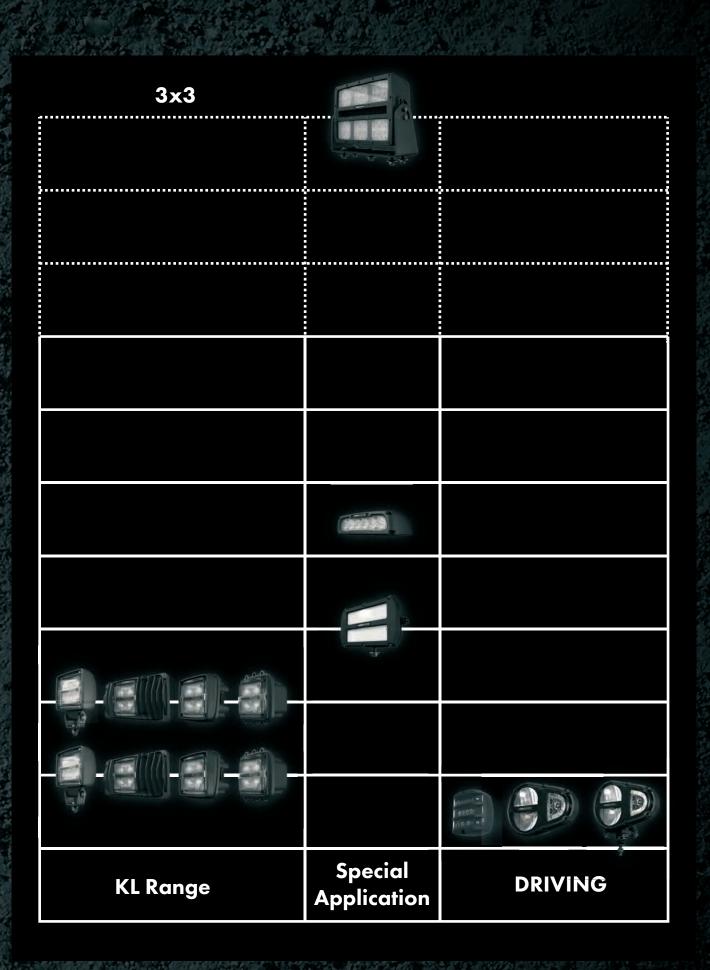
Flood projected on surface #B



LED Work Light Range



The chart is to provide a general impression of the NORDIC LIGHTS® LED work light range and by no means comprehensive or limiting. For more specific guidance please consult your local NORDIC LIGHTS® representative. Not all products are available in all markets. During continuous improvement specifications and design are changing. All values are nominal values. Illustrations do not necessarily show the design of every version and some features are version specific. The lumens output varies depending on lens colour.

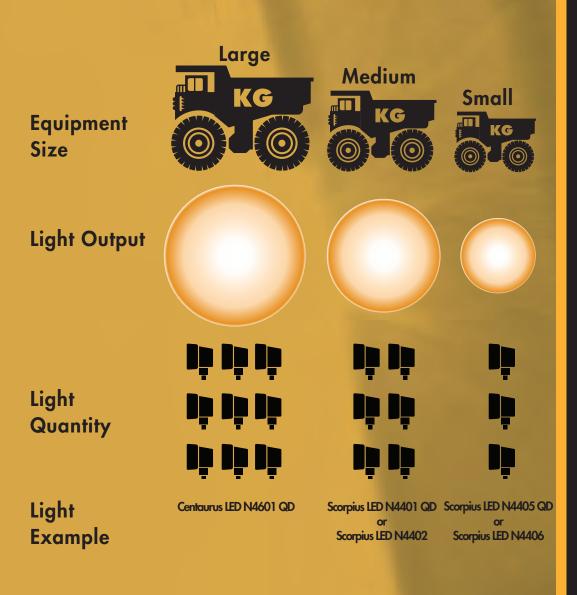


LED Work Light Recommendations

Illumination requirements for different heavy duty applications and industry segments can, and do, vary dramatically.

These recommendations are intended to provide guidance to assist in the selection of the most suitable NORDIC LIGHTS® LED work lamp range for your application. It is by no means comprehensive or limiting. Alternatives may be available. If in doubt, please consult with your local NORDIC LIGHTS® representative for more information.

Larger machine = More lumens = More lights



Mining

		p. 24-27	p. 28-29	p. 30-37	p. 56-57
Equipm	nent	Gemini LED	Centaurus LED	Scorpius LED	Taurus LED
00-00-	Articulated Truck			Ø	
A	Blast Hole Drill			0	
4	Bucket Wheel Excavator	$\langle \! \langle \! \rangle \!$	$\mathbf{(}$		
	Borer / Continuous Miner			\mathbf{Q}	
	Dragline		$\mathbf{(}$	\mathbf{Q}	
	Dump Truck			\mathbf{Q}	
-	Engine Room				\mathbf{Q}
112	Highwall Miner		$\mathbf{(}$	0	
	Hydraulic / Rope Shovel		(\mathbf{Q}	
	Load Haul Dump (LHD)			\mathbf{Q}	
	Rocket Boomer / Drilling Jumbo			\mathbf{Q}	
	Surface Miner		\mathbf{Q}	(\emptyset)	
	Wheel Dozer / Logder				



Construction

		p. 24-27	p. 28-29	p. 30-37	р. 44-45	p. 50-51
			Ð	Ş		9
Equipm		Gemini LED	Centaurus LED	Scorpius LED	Pictor LED	Canis LED
		9	J		d	Ŭ
	Articulated Truck			(
	Asphalt Track Paver					
ABION	Backhoe / Wheel / Crawler Loader			$\mathbf{(}$		
	Bulldozer / Track Dozer		\mathbf{Q}	\mathbf{Q}		
6	Compactor / Road Roller			0	\mathbf{Q}	
	Excavator			\mathbf{Q}		
ate unit	Lighting Mast	Ø		(
	Mobile Crane			\mathbf{Q}		
A CONFO	Motor Grader / Scraper			\mathbf{Q}		
4	Pile Driver			Ø		
	Skid Steer Loader					
	Tele Handler			\bigcirc		
	Tower Crane	$\langle \! \langle \! \rangle$				



Forestry

			p. 60-65
Equipm		Scorpius LED	KL-Series
10	Chipper		
	Delimber		
	Feller Buncher		
	Forwarder	$\mathbf{(}$	
-	Harvester	\mathbf{Q}	
-	Knuckleboom Loader	\mathbf{Q}	
	Logging Truck	\mathbf{Q}	
MO-OOH	Skidder	Ø	
	Swing machine	Ø	
	Track Dozer	\mathbf{Q}	



Material Handling

		p. 24-27	p. 28-29	p. 30-37	р. 46-49
		8	Ş	Ş	ą
Equipn	nent	Gemini LED	Centaurus LED	Scorpius LED	Spica LED
T	Container Crane	$\mathbf{(}$	\mathbf{Q}	$\mathbf{(}$	
	Dockyard Crane	$\mathbf{(}$	\mathbf{Q}	$\mathbf{(}$	
	Fork Lift Truck				$\mathbf{(}$
L ij	Rubber-tyre Gantry Crane (RTG)	$\mathbf{(}$	\mathbf{Q}	$\mathbf{(}$	
	Harbour / Port Crane	$\mathbf{(}$	$\mathbf{(}$	$\mathbf{(}$	
600	Reach Stakker			$\mathbf{(}$	
	Straddle Carrier	$\mathbf{(}$	\mathbf{Q}	$\mathbf{(}$	
	Tow Tractor				$\mathbf{(}$
6-0	Tele Handler				
	Truck Mounted Crane			0	



Truck, Trailer & Emergency

	p. 30-37	р. 46-49	p. 56-57	p. 60-65
		Ę	0	Ş
Equipment	Scorpius LED	Spica LED	Taurus LED	KL-Series
Ambulance		\bigcirc	\bigcirc	$\mathbf{(}$
Articulated Lorry	\mathbf{Q}	0	\mathbf{Q}	0
Cement Mixer		\bigcirc	(\bigcirc
Fire Engine	\mathbf{Q}	$\mathbf{(}$		(
Flatbed Truck	\mathbf{Q}	\bigcirc		
Garbage Truck		0	\mathbf{Q}	0
Panel Van		(\emptyset)	\mathbf{Q}	$\langle \! \langle \! \rangle \!$
Pickup / Tow Truck		(\bigcirc
Utility Van		$\mathbf{(}$	\mathbf{Q}	$\mathbf{(}$
Water Tender			\mathbf{Q}	
	ALC IN	- set of state	1.4.2 (10.5. 2 .	2



Agriculture

		p. 30-37	p. 38-41	р. 60-65
			Ş	Ş
Equipm	nent	Scorpius LED	Antares LED	KL-Series
	Bean Harvester	$\mathbf{(}$	\mathbf{Q}	$\mathbf{(}$
○ / ○ ●	Beet Harvester		0	\bigcirc
	Combine Harvester	0	(
	Crop Sprayer		$\mathbf{(}$	
	Forage Harvester		$\mathbf{(}$	
	Pea Harvester		$\mathbf{(}$	\bigcirc
	Potato Harvester	$\mathbf{(}$	\mathbf{Q}	(
	Rape Swather			
	Slurry Spreader		\mathbf{Q}	
0	Tractor		\mathbf{Q}	





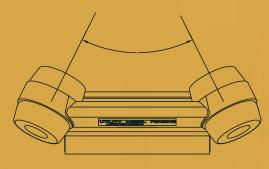
NORDIC LIGHTS® introduces the revolutionizing QUAKE dampening system. The patented system takes protection against vibration and shock to a whole new level never seen before. The R&D department at NORDIC LIGHTS® has used all their muscles, expertise and equipment to create a dampening system of absolute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

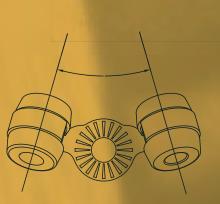
In a standard dampening system there will be powerful strains on the dampeners. The angles of the dampeners within the QUAKE dampening system have been painstakingly calculated and intensely tested to find the perfect synchronized angles to produce a complete, optimized system. Due to the construction, 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 cruical since the dampening system is kinder on the vehicle; it also reduces maintenance and down time. What is more, the QUAKE dampening system is than other dampening systems saving space.

lower

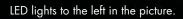
For many years NORDIC LIGHTS® has been developing and patenting different dampening solutions for Heavy Duty work lights. Why dampen a work lamp? With the right kind of dampening you will greatly increase a work lamp's resistance to shock and vibration. Not only will the lamp take much longer to brake, 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.



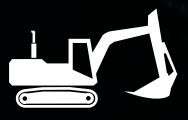




Eastern Finland 100 km into the woods. Forestry harvester able to operate during harsh winter in total darkness - thanks to NORDIC LIGHTS® lamps.







Construction



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

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





Truck & Trailer Emergency



Material Handling



Features

Heavy Duty Construction

Load Dump Protected

Replaceable Lens

2 x Built-in Deutsch 2-pin

Lenses Transparent

Connectors

ŝ

X

1 1 1

60

8

Low Maintenance

Reverse Voltage Protected

Over Voltage Protected

Optically Even Light Distribution

High Light Out

Overheat Protected

Distinct Light

High Lumens / Watt Efficiency

Pattern

11

(4)

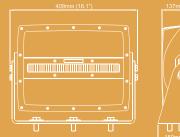
NORDIC GEMINI LED SERIES

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

The work lamp offers an impressive lighting solution both for mobile and stationary applications and is really the king of the hill.

Drawings

N4701, N4702 and N4703

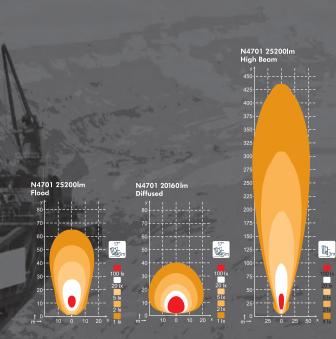




Not all products are available in all markets. During continuous improvement specification and design are changing. All values are nominal values. Illustrations do not necessaril show the design of every version and some features are version specific. The lumen putput varies depending on lens colour



Light Patterns

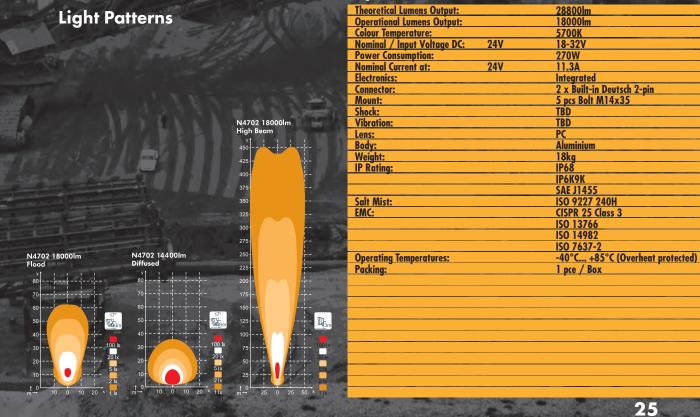


Specifications

opositions		
Theoretical Lumens Output:		40300lm
Operational Lumens Output:		25200lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	24V	18-32V
Power Consumption:		300W
Nominal Current at:	24V	12.5A
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:		CISPR 25 Class 3
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		1 pce / Box
and the second		

đ

GEMINI LED N4702

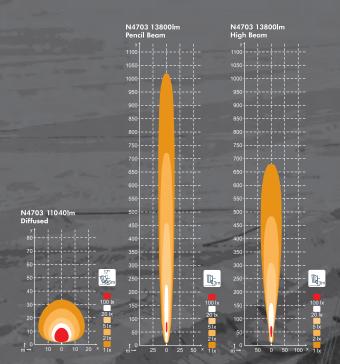






GEMINI LED N4703

Light Patterns



Specifications

		and the second sec
Theoretical Lumens Output:		22000lm
Operational Lumens Output:		13800lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	24V	18-32V
Power Consumption:		240W
Nominal Current at:	24V	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:		CISPR 25 Class 3
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		1 pce / Box





NORDIC CENTAURUS **LED SERIES**

The Nordic CENTAURUS LED work lamp with the revolutionizing QUAKE dampening

Salt Mist **Different Lens Colour Versions** Available High Lumens / Watt Efficiency Connectors Built-in Deutsch 6 2-pin Lenses Amber Diffused

Features

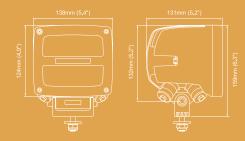
Low

Maintenance

Waterproof

Long Lifetime

Drawings N4601 QD



00 Reverse Voltage EMC Heavy Duty Protected Construction Load Dump Over Voltage Overheat (י) Protected Protected Protected Distinct Light Optically Even Light Distribution Pattern Replaceable Lens High Light Output Quake ie Heavy Dampening , Duty Dampening Red Transparent E Yellow N460 XD narkets. During continuous improvement specification: is are nominal values. Illustrations do not necessarily and some features are version specific. The lumen: esign are changing. All v he design of every vers



N4601 QD 7 Low Beam

N4601 QD Wide Flood

20 15

<u>†</u>0

CENTAURUS LED N4601 QD

7200lm, Quake Dampening

Light Pattern



ight Pai	iterns		Operational Lumens Out
			Colour Temperature:
			Nominal / Input Voltage
			Power Consumption:
			Nominal Current at:
			Electronics:
			Connector:
7200lm			Mount:
			Shock:
			Vibration:
			-
÷			Lens:
÷;			Body:
+ 📭			Weight:
			IP Rating:
20 lx			
10 lx			
5 lx	CONVERSION OF		Salt Mist:
1 2 lx	A CONTRACTOR OF STREET		EMC:
0 25 50 × 1 1x	Contraction of the local division of the loc		
	121-	N4601 QD 7200lm High Beam	
	ALC: NO >	y† 1 1 1 1	Operating Temperatures:
		200	Packing:
7200lm	N4601 QD 7200lm	175	
	Flood	150	
17 17 3m	25 17° 3m	125	
<u>WQ</u> 3m	20+		
20 lx		100 201x	
	13		
	10 10 Ix	501 101x	
^{51x}	5+ ⁵ 1×	25 5 IX	
		21x	
0 5 10 × 1 lx	$m \rightarrow 50510 \times 11x$	1 0 25 0 25 50 × 1 lx	

specifications		
Theoretical Lumens Output:		11500lm
Operational Lumens Output:		7200lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	24V	18-32V
Power Consumption:		85W
Nominal Current at:	24V	3.5A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		15.3Grms 24-2000Hz
		4.65Grms 12-2000Hz
Lens:		РС
Body:		Aluminium
Weight:		2.5kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		6 pce / Box



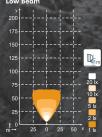
CENTAURUS LED N460 XD 2700lm, Xtreme Dampening

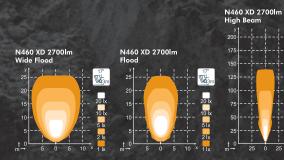
20 lx 10 lx 5 lx 2 lx

Specifications

Light Patterns

N460 XD 2700lm Low Beam





specifications	
Theoretical Lumens Output:	4300lm
Operational Lumens Output:	2700lm
Colour Temperature:	6000K
Nominal / Input Voltage DC: 24V	18-32V
Power Consumption:	60W
Nominal Current at: 24V	2.5A
Electronics:	Integrated
Connector:	Built-in Deutsch 2-pin
Mount:	Single Bolt M10
Shock:	60Ğ
Vibration:	15.3Grms 24-2000Hz
Lens:	РС
Body:	Aluminium
Weight:	2.9kg
IP Rating:	IP68
	IP6K9K
	SAE J1455
Salt Mist:	ISO 9227 240H
EMC:	CISPR 25 Class 3
	ISO 13766
	ISO 14982
	ISO 7637-2
Operating Temperatures:	-40°C +85°C (Overheat protected)
Packing:	6 pce / Box

WORK LIGHTS del



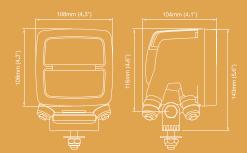
NORDIC SCORPIUS LED SERIES

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

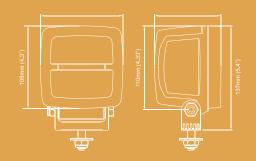
The new QUAKE dampening system takes protection against vibration and shock to a whole new level never seen before. Available with several different lumens levels and features such as dimmable. Suitable for harsh conditions and a range of applications.

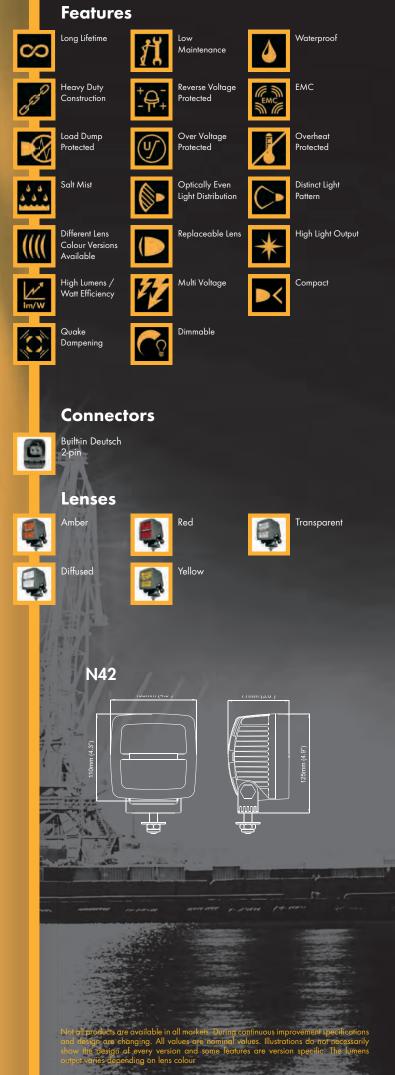
Drawings

N4401 QD, N4403 QD, N4405 QD,



N4402, N4404, N4406, N4408,







SCORPIUS LED N4401 QD

Specifications

4200lm, Quake Dampening

Light Patterns

N4401 QD, N4402 4200lm Wide Flood



Light Patterns

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21x 21x 11y m→

The a

20 lx 10 lx 5 lx 2 lx Lov

N4401 QD, N4402 42 High Beom

N4401 QD, N4402 4200lm Wide Flood

у 25



N4401 QD, N4402 4200lm

N4401 QD, N4402 4200lm Flood

y 25 D;

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The state

N4401 QD, Diffused

> 15 10

20 lx 10 lx 5 lx 2 lx



Theoretical Lumens Output:		6700lm
Operational Lumens Output:		4200lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		50W
Nominal Current at:	24V	2.1A
	12V	4.2A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		20Grms 24-2000Hz
		4.65Grms 12-2000Hz
Lens:		РС
Body:		Aluminium
Weight:		1.6kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box

SCORPIUS LED N4402

Specification

	specifications	and the second second		
	Theoretical Lumens Output:		6700lm	
	Operational Lumens Output:		4200lm	
	Colour Temperature:		5700K	1
	Nominal / Input Voltage DC:	12-24V	9-32V	
	Power Consumption:		50W	1
	Nominal Current at:	24V	2.1A	100
		12V	4.2A	-
	Electronics:		Integrated	
	Connector:		Built-in Deutsch 2-pin	
	Mount:		Single Bolt M10	
	Shock:		60Ğ	11
	Vibration:		15.3Grms 24-2000Hz	14
	Lens:		PC	1.0
	Body:		Aluminium	-
	Weight:		1.1kg	-
	IP Rating:		IP68	- 51
10000			IP6K9K	14
the second			SAE J1455	10
1001	Salt Mist:		ISO 9227 240H	
	EMC:		CISPR 25 Class 3	
			ISO 13766	
			ISO 14982	
			ISO 7637-2	
	Operating Temperatures:		-40°C +85°C (Overheat protected	
	Packing:		12 pce / Box	
N4402 3360lm				
! ! ! 17°				

LED Work Lights





SCORPIUS LED N4403 QD

3000lm, Quake Dampening

Light Patterns

N4403 QD, N4404 3000lm High Beam N4403 QD, N4404 3000lm Low Beam y 200 y 200-150 Data In 20 lx 10 lx 20 ix 10 ix 5 ix 1 b

m

17°

20 lx 10 lx 5 lx 2 lx 1 lx

y 25-

N4403 QD, N4404 3000lm Flood

At

20 lx 10 lx 5 lx 2 lx

1 lx

N4403 QD, N4404 2400lm Diffused у 25 17° 20 lx 10 lx 5 lx 2 lx _t_(

Specifications

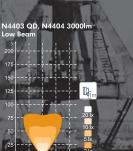
Theoretical Lumens Output:		4800lm
Operational Lumens Output:		3000lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		45W
Nominal Current at:	24V	1.9A
	12V	3.8A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		20Grms 24-2000Hz
		4.65Grms 12-2000Hz
Lens:		PC
Body:		Aluminium
Weight:		1.6kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box

N4403 QD, N4404 3000 Wide Flood

SCORPIUS LED N4404 3000lm

Light Patterns

N4403 QD, N4404 3000lm High <u>Beam</u>



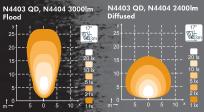
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N4403 QD, N4404 3000lm Wide Flood у 25-

20 lx 10 lx 5 lx 2 lx t 0 m→



Specifications

and the second se		
Theoretical Lumens Output:		4800lm
Operational Lumens Output:		3000lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		45W
Nominal Current at:	24V	1.9A
	12V	3.8A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		PC
Body:		Aluminium
Weight:		1.1kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box
v		

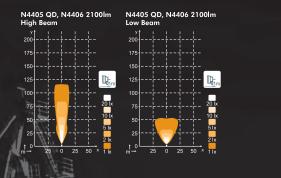


SCORPIUS LED N4405 QD

Specifications

2100lm, Quake Dampening

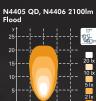
Light Patterns



N4405 QD, Wide Flood	
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Theoretical Lumens Output:		3400lm
Operational Lumens Output:		2100lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		35W
Nominal Current at:	24V	1.5A
	12V	3.0A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		20Grms 24-2000Hz
		4.65Grms 12-2000Hz
Lens:		PC
Body:		Aluminium
Weight:		1.6kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box

SCORPIUS LED N4406

	specifications	Sector Sector		
	Theoretical Lumens Output:		3400lm	
	Operational Lumens Output:		2100lm	
	Colour Temperature:		5700K	100
	Nominal / Input Voltage DC:	12-24V	9-32V	
	Power Consumption:		35W	÷ \
	Nominal Current at:	24V	1.5A	
		12V	3.0A	-
	Electronics:		Integrated	2
	Connector:		Built-in Deutsch 2-pin	Ri
	Mount:		Single Bolt M10	.H
	Shock:		60Ğ	
	Vibration:		15.3Grms 24-2000Hz	10.0
	Lens:		PC	1.000
	Body:		Aluminium	100
	Weight:		1.1kg	2
	IP Rating:		IP68	
DHO S			IP6K9K	His
1000			SAE J1455	
1	Salt Mist:		ISO 9227 240H	
	EMC:		CISPR 25 Class 3	
			ISO 13766	
			ISO 14982	
			ISO 7637-2	
	Operating Temperatures:		-40°C +85°C (Overheat protected)	5
	Packing:		12 pce / Box	
14406 1680lm				
17°				

Light Patterns

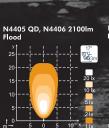
N4405 QD, N4406 2100lm N4405 QD, N4406 High Beam

Di, 2 b

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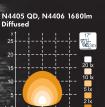
N4405 QD, N4406 2100lm Wide Flood у 25 Mà:





25 ·

20







SCORPIUS LED N4407 QD

2300lm, Quake Dampening

20 lx

2 Ix

1 lx

N4408 2300ln

QD,

25

20

100

25

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100

N4407 QD, N4408 2300lm Pencil Beam

y 450

40 37

325

22

170

20 |× 10 |× 5 |x 2 |x

Light Patterns

Specifications

opeenications		
Theoretical Lumens Output:		3700lm
Operational Lumens Output:		2300lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		40W
Nominal Current at:	24V	1.7A
	12V	3.4A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		20Grms 24-2000Hz
		4.65Grms 12-2000Hz
Lens:		PC
Body:		Aluminium
Weight:		1.6kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box



N4407 QD, N4408 18 Diffused

SCORPIUS LED N4408

QD. N4408 230

20 lx 10 lx 5 lx 2 lx

22

D.

N4407 QD, N4408 2300lm High Beam

20 lx 10 lx 5 lx 2 lx

Specifications

A REAL PROPERTY OF A REAL PROPER		
Theoretical Lumens Output:		3700lm
Operational Lumens Output:		2300lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		40W
Nominal Current at:	24V	1.7A
	12V	3.4A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		PC
Body:		Aluminium
Weight:		1.1kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box

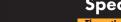






SCORPIUS LED N4409 QD 2000lm, Dimmable, Quake Dampening

Light Patterns



Specifications

		N
		E
, N4410 2000lm	N4400 OD N4410 2000	C
, N4410 2000im	N4409 QD, N4410 2000lm Low Beam	Ν
		S
	200	V
·*		
	150	L
Dim	125	B
	100	V
20 lx	75	
10 ×	50, -	-
5 IX	251 51	c
V 21x		Ē
0 25 50 × 1 lx	$ \underset{m \rightarrow}{\uparrow} 0 \xrightarrow{\downarrow} 25 0 25 50 \times \underset{11x}{\uparrow} $	
3		

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20 lx

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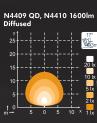
N4409 QD, N4410 2000lm Wide Flood

N4409 QD, High Beam 200--

100







Theoretical Lumens Output:		3200lm
Operational Lumens Output:		2000lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		40W
Nominal Current at:	24V	1.7A
	12V	3.4A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		20Grms 24-2000Hz
		4.65Grms 12-2000Hz
Lens:		РС
Body:		Aluminium
Weight:		1.6kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 5
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box

SCORPIUS LED N4410 2000lm, Dimmable

Specificatio

	opeemeanons	1		
	Theoretical Lumens Output:		3200lm	
	Operational Lumens Output:		2000lm	
	Colour Temperature:		5700K	
	Nominal / Input Voltage DC:	12-24V	9-32V	
	Power Consumption:		40W	2
	Nominal Current at:	24V	1.7A	
		12V	3.4A	
	Electronics:		Integrated / Isolated	1.100
	Connector:		Built-in Deutsch 2-pin	
	Mount:		Single Bolt M10	J.
	Shock:		60Ğ	1
	Vibration:		15.3Grms 24-2000Hz	100.00
	Lens:		PC	1.5 194
	Body:		Aluminium	=
	Weight:		1.1kg	-
16 1	IP Rating:		IP68	-58
111			IP6K9K	14
the second			SAE J1455	
	Salt Mist:		ISO 9227 240H	
	EMC:		CISPR 25 Class 5	
			ISO 13766	
			ISO 14982	
			ISO 7637-2	
	Operating Temperatures:		-40°C +85°C (Overheat protected)	2
	Packing:		12 pce / Box	
410 1600lm			· · ·	-
17°				



Light Patterns

N4409 QD, N4410 2 High Begm N4409 QD, N4410 2000lm



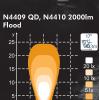
125 20 I x

N4409 QD, N4410 2000lm Wide Flood у 25 The second



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y 25

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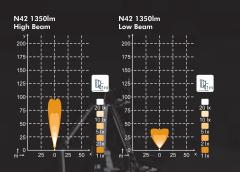


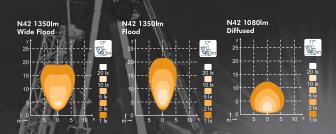
H



SCORPIUS LED N42

Light Patterns





Specifications

Theoretical Lumens Output:		2200lm
Operational Lumens Output:		1350lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		25W
Nominal Current at:	24V :	1.0A
	12V :	2.0A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		РС
Body:		Aluminium
Weight:		1.2kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box





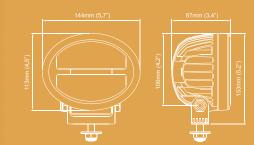
NORDIC ANTARES LED SERIES

The Nordic ANTARES LED work lamp offers outstanding illumination. Available with several different lumens levels and features such as dimmable. The lamp is made to withstand tough conditions.



Features

Drawings N33

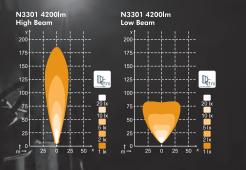


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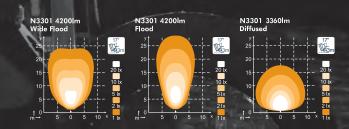


ANTARES LED N3301 4200lm

Light Patterns



1



Theoretical Lumens Output:		6700lm
Operational Lumens Output:		4200lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		50W
Nominal Current at:	24V	2.1A
	12V	4.2A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		РС
Body:		Aluminium
Weight:		1.2kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box

ANTARES LED N3302

Specifications

Specifications

المطعية	Patterns		Theoretical Lumens Output:		4800lm
Light	Patterns		Operational Lumens Output:		<u>3000lm</u>
			Colour Temperature:		5700K
		1	Nominal / Input Voltage DC:	12-24V	9-32V
		1	Power Consumption:		45W
		1	Nominal Current at:	24V	1.9A
				12V	3.8A
			Electronics:		Integrated
N3302 3000lm	N3302 3000lm		Connector:		Built-in Deutsch 2-pin
High Beam	Low Beam		Mount:		Single Bolt M10
7 1 1 1 1	×1	Contraction and an and an	Shock:		60Ğ
200	200	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Vibration:		15.3Grms 24-2000Hz
175	175	and the second second	Lens:		PC
150	150		Body:		Aluminium
125	125		Weight:		1.2kg
			IP Rating:		IP68
	100		in Kuning.		IP6K9K
75	20 lx 75	20 lx			SAE J1455
50	10 lx 50	101x	Salt Mist:		ISO 9227 240H
25	5 lx 25	5 ix	EMC:		CISPR 25 Class 3
		21x	NO DE		ISO 13766
m→ 25 0 25 50 ×	<1 lx m→ 25 0 25 50 >	1 Ix			ISO 14982
		Maria Maria			ISO 7637-2
			Onersting Temperatures		-40°C +85°C (Overhe
A STATE AND A STATE AND			Operating Temperatures:		<u>-40 C +05 C (Overne</u>
			Packing:		12 pce / Box
N3302 3000lm	N3302 3000lm	N3302 2400lm			
Wide Flood	Flood	Diffused			
25	17° y 25	17° 25	17° 06 _{3m}		
	3m and	3m			
20	20	20 lx 15+	201x		
15	15	10 Ix 10+-	10 ¹ x		
10	10 IX 10				
5	5	51x 5	5 lx		
	2 lx t 0		2 Ix		
m→ 5 0 5 10 ×	<1 lx m → 5 0 5 10 →	<11x m → 5 0 5 10 ×	1 lx		

-85°C (Overheat protected)



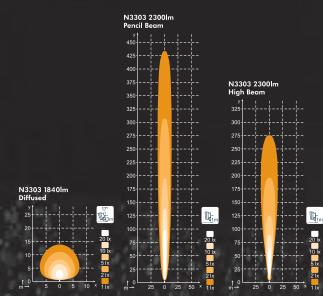


ANTARES LED N3303

Light Patterns

Specifications

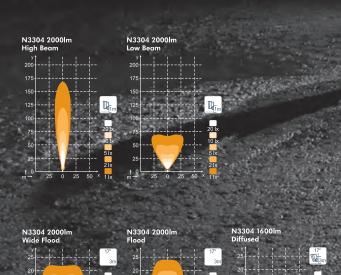
specifications		
Theoretical Lumens Output:		3700lm
Operational Lumens Output:		2300lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		40W
Nominal Current at:	24V	1.7A
	12V	3.4A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		РС
Body:		Aluminium
Weight:		1.2kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box





ANTARES LED N3304

Light Patterns



Specifications Theoretical Lumens Output: Operational Lumens Output: Colour Temperature:

Operational Lumens Output:		2000lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		40W
Nominal Current at:	24V	1.7A
	12V	3.4A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		PC
Body:		Aluminium
Weight:		1.2kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 5
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box

3200lm

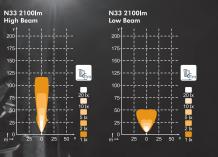
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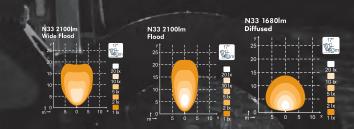
15



ANTARES LED N33 2100lm

Light Patterns





Theoretical Lumens Output:		3400lm
Operational Lumens Output:		2100lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		35W
Nominal Current at:	24V	1.5A
	12V	3.0A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		РС
Body:		Aluminium
Weight:		1.5ka
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box



NORDIC VIRGO LED SERIES

The Nordic VIRGO LED work lamp offers outstanding illumination.

Available with several different lumens levels and features such as dimmable. The lamp is made to withstand tough conditions.



Features

Low Maintenance

Reverse Voltage Protected Δ

C EMO

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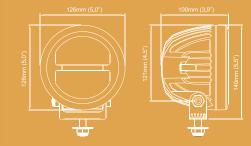
Long Lifetime

Diffused

Q

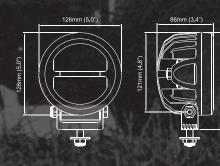
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N3101, N3102, N3103, N3104

Yellow



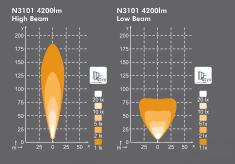
48mm (5.8")

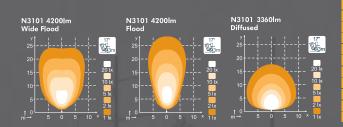
lot all products are available in all markets. During continuous improvement specifications ad design are changing. All values are nominal values. Illustrations do not necessarily now the design of every version and some features are version specific. The lumens uput varies depending on lens colour



VIRGO LED N3101

Light Patterns





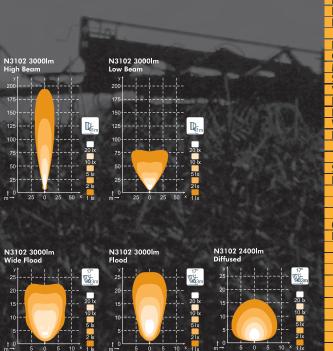
Specifications

	6700lm
	4200lm
	5700K
12-24V	9-32V
	50W
24V	2.1A
12V	4.2A
	Integrated
	Built-in Deutsch 2-pin
	Single Bolt M10
	60Ğ
	15.3Grms 24-2000Hz
	РС
	Aluminium
	1.3kg
	IP68
	IP6К9К
	SAE J1455
	ISO 9227 240H
	CISPR 25 Class 3
	ISO 13766
	ISO 14982
	ISO 7637-2
	-40°C +85°C (Overheat protected)
	12 pce / Box
	24V



Light Patterns

VIRGO LED N3102



specifications		
Theoretical Lumens Output:		4800lm
Operational Lumens Output:		3000lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		45W
Nominal Current at:	24V	1.9A
	12V	3.8A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		PC
Body:		Aluminium
Weight:		1.3kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box

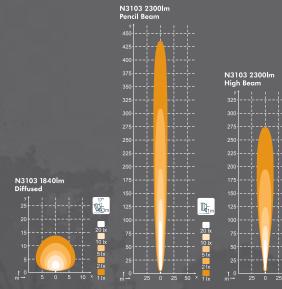


VIRGO LED N3103

Light Patterns

Specifications

opeemeanons		
Theoretical Lumens Output:		3700lm
Operational Lumens Output:		2300lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		40W
Nominal Current at:	24V	1.7A
	12V	3.4A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		РС
Body:		Aluminium
Weight:		1.3kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box



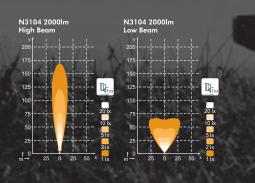


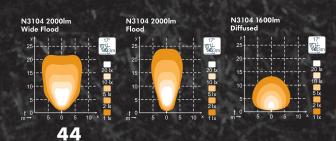
VIRGO LED N3104

20 lx 10 lx 5 lx 2 lx

2000lm, Dimmable

Light Patterns

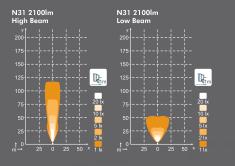


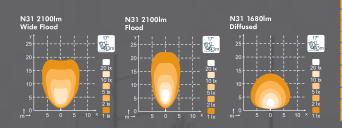


Theoretical Lumens Output:		3200lm
Operational Lumens Output:		2000lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		40W
Nominal Current at:	24V	1.7A
	12V	3.4A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		РС
Body:		Aluminium
Weight:		1.3kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 5
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box



Light Patterns





Theoretical Lumens Output:		3400lm
Operational Lumens Output:		2100lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		35W
Nominal Current at:	24V	1.5A
	12V	3.0A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		РС
Body:		Aluminium
Weight:		1.6kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box



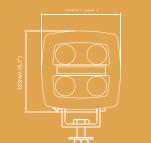
NORDIC SPICA LED SERIES

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

Available with several different lumens levels. The Nordic SPICA LED is available as Reverse light, with Handle and Switch, with extensive multi voltage developed for fork trucks and also with dimmable function.

Drawings

N2401, N26, N24, N24 R





Long Lifetime Low Maintenance Waterproof ŝ Reverse Voltage Protected Heavy Duty C EMO Construction Load Dump Protected Over Voltage Protected Overheat Protected X U Salt Mist Optically Even Light Distribution Different Lens 4 4 4 Colour Versions Available Low Power Consumption Dimmable Handle And **C** Reverse Light Switch **Connectors** Built-in AMP Built-in Deutsch 2-pin 1 dt Lenses Amber Red Transparent Diffused Yellow N24 HS 100mm (3.9"

Features

lor all products are available in all markets. During continuous improvement specifications nd design are changing. All values are nominal values. Illustrations do not necessarily now the design of every version and some features are version specific. The lumens utput varies depending on lens colour

		-	Specifications	si a sent	the state of the s
Light	Patterns		Theoretical Lumens Output: Operational Lumens Output:		1200lm 750lm
- 3			Colour Temperature:		5700K
			Nominal / Input Voltage DC:	12-24V	9-32V
CORESCENT. OR			Power Consumption:		24W
	and the second sec		Nominal Current at:	24V	1.0A
		and the second data of the secon	Electronics:	12V	2.0A Integrated / Isolated
			Connector:		Built-in AMP
01 750lm n Beam			connector.		Built-in Deutsch 2-pin
			Mount:		Single Bolt M10
					Single Bolt M10 Single Bolt M8
			Shock:		<u>60Ğ</u>
			Vibration:		8Grms 24-2000Hz
	Dim.		Lens: Body:		PC Aluminium
			Weight:		0.9kg
	20 lx 10 lx		IP Rating:		IP68
	5 lx				IP6K9K
	2 lx		2.A.		SAE J1455
25 0 25 50 ×		all'	Salt Mist:		ISO 9227 240H
		- 16.20	EMC:		CISPR 25 Class 5
					EN 12895 ISO 13766
			Style 1		ISO 14982
01 750 m	N2401 750lm	N2401 600lm	581		ISO 7637-2
e Flood	Flood	Diffused	Operating Temperatures:		-40°C +85°C (Overheat protecte
			Packing:		12 pce / Box

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SPICA LED N26 700lm, Extensive Multi Voltage

Specifications

Theoretical Lumens Output: 1100lm 700lm **Light Patterns Operational Lumens Output:** 700im 5700K 9-110V 17W 0.21A 0.35A 0.7A 1.4A Colour Temperature: Nominal / Input Voltage DC: Power Consumption: Nominal Current at: 12-80V 80V 48V 24V 12V N26 700lm High Beam 1.4A Integrated / Isolated Built-in AMP Built-in Deutsch 2-pin Single Bolt M10 Single Bolt M8 60G **Electronics: Connector:** y 200-Mount: 150 Shock: P310 60G 8Grms 24-2000Hz PC Aluminium 0.9kg IP68 IP68 IP68 IP68 CAL NACC Vibration: 20 lx 10 lx 5 lx 2 lx Lens: Body: Weight: IP Rating: IP6K9K SAE J1455 ISO 9227 240H CISPR 25 Class 3 EN 12895 ISO 13766 ISO 14982 1 B Salt Mist: EMC: N26 700lm Flood N26 560lm Diffused N26 700lm Wide Flood ISO 7637-2 -40°C... +85°C (Overheat protected) 12 pce / Box 17° y 25 17° Operating Temperatures: Packing: 20 · 15 · 10 · 5 · 20 lx 10 lx 5 lx 2 lx 20 lx 10 lx 5 lx 2 lx 20 Ix 10 Ix 5 Ix 2 Ix † 0 m→

SPICA LED N24 600lm

Light Patterns



Specifications

Theoretical Lumens Output:		1000lm
Operational Lumens Output:		600lm
Colour Temperature:		6000K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		18W
Nominal Current at:	24V	0.75A
	12V	1.5A
Electronics:		Integrated / Isolated
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Shock:		60Ğ
Vibration:		8Grms 24-2000Hz
Lens:		PC
Body:		Aluminium
Weight:		0.9kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		EN 12895
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box



17° 20 lx 10 lx 5 lx 2 lx

20 15

SPICA LED N24 HS 600lm, Handle & Switch

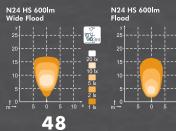
17° 20 lx 10 lx 5 lx 2 lx

17° 20 lx 10 lx 5 lx 2 lx

Light Patterns

N24 HS 600lm High Beam









Speci	ifications
Theoretical	Lumens Output:
Operationa	Lumens Output:
Colour Tom	n overhunos

meoremui Lumens Ourput.		TUUUIM
Operational Lumens Output:		600lm
Colour Temperature:		6000K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		18W
Nominal Current at:	24V	0.75A
	12V	1.5A
Electronics:		Integrated / Isolated
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Shock:		60Ğ
Vibration:		8Grms 24-2000Hz
Lens:		PC
Body:		Aluminium
Weight:		0.9kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		EN 12895
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box

1000lm



WORK LIGHTS

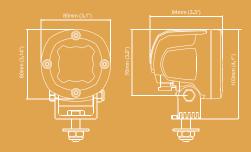


NORDIC CANIS LED SERIES

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

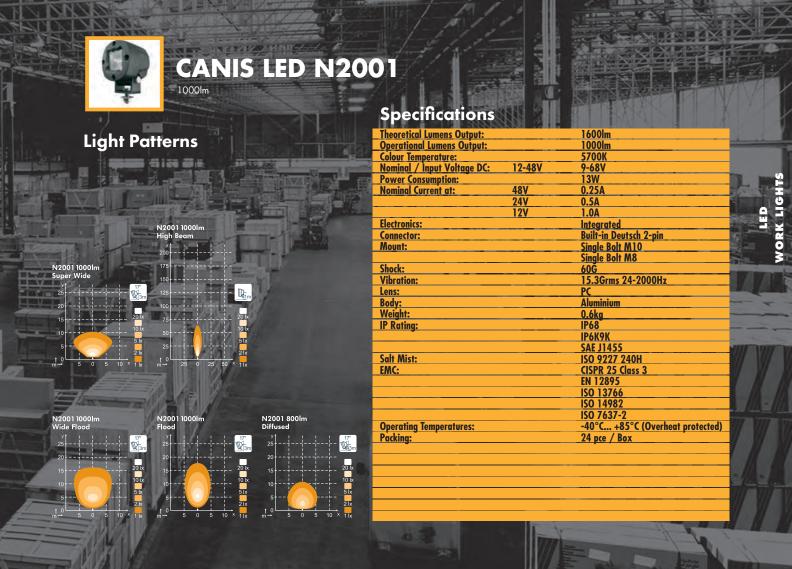
The Nordic CANIS LED is suitable for mounting in tight places and delivers strong illumination in relation to its size. Suitable for applications needing to withstand the powers of nature. Available as reverse light.

Drawings N2001, N2002 R





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



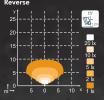


Specifications

Approvals:		ECE R23
Theoretical Lumens Output:		770lm
Operational Lumens Output:		480lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-48V	9-68V
Power Consumption:		13W
Nominal Current at:	48V	0.25A
	24V	0.5A
	12V	1.0A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Shock:		60Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		PC
Body:		Aluminium
Weight:		0.6kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		EN 12895
		ISO 13766
		ISO 14982
		ISO 7637-2
		R10
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		24 pce / Box

Light Patterns

N2002 480lm Reverse



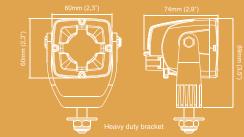


NORDIC CAPELLA LED SERIES

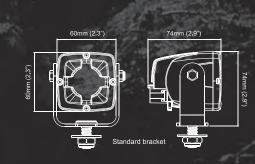
The Nordic CAPELLA LED work light is extremely compact in size and light in weight. This work light can be mounted in very tight places where you are not able to fit a standard work light.

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

Drawings N10 B



Features Long Lifetime Waterproof Low ŝ Maintenance Reverse Voltage EMC Heavy Duty Protected Construction Load Dump Over Voltage Overheat (U) Protected Protected Protected Salt Mist Multi Voltage Optically Even Light Distribution Low Power Light Weight Ultra Compact Consumption g Modern Design ∗ **Connectors** Built-in Deutsch 6 2-pin Lenses Transparent ą N10



Not all products are available in all markets. During continuous improvement specifications nd design are changing. All values are nominal values. Illustrations do not necessarily how the design of every version and some features are version specific. The lumens utout varies depending on lens colour



CAPELLA LED N10 B

350lm, Stronger Heavy Duty Bracket

Light Patterns

Specifications

	550lm
	350lm
	6000K
12-48V	9-68V
	6W
48V	0.13A
24V	0.25A
12V	0.5A
	Integrated
	Built-in Deutsch 2-pin
	Single Bolt M10
	60Ğ
	15.3Grms 24-2000Hz
	PC
	Aluminium
	0.3kg
	IP68
	IP6K9K
	SAE J1455
	ISO 9227 240H
	CISPR 25 Class 3
	EN 12895
	ISO 13766
	ISO 14982
	ISO 7637-2
	-40°C +85°C (Overheat protected)
	24 pce / Box
	48V 24V



N10 B and N10 350lm Flood

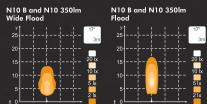


CAPELLA LED N10

Specification

specifications		
Theoretical Lumens Output:		550lm
Operational Lumens Output:		350lm
Colour Temperature:		6000K
Nominal / Input Voltage DC:	12-48V	9-68V
Power Consumption:		6W
Nominal Current at:	48V	0.13A
	24V	0.25A
	12V	0.5A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		8Grms 24-2000Hz
Lens:		РС
Body:		Aluminium
Weight:		0.3kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		EN 12895
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		24 pce / Box

Light Patterns





NORDIC PICTOR LED SERIES

The Nordic PICTOR LED work light is a low

Connectors

Features

Low Maintenance

Reverse Voltage Protected

Over Voltage Protected

Optically Even Light Distribution

High Lumens / Watt Efficiency

Especially for Sides of Booms

(4)

Waterproof

EMC

Overheat Protected

Replaceable Len

Multi Voltage

EMC

Long Lifetime

Heavy Duty

Load Dump

Protected

Salt Mist

Compact

High Light Output

Construction

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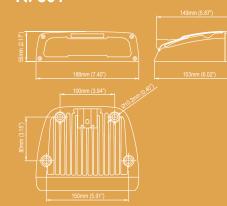
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Lenses Transparent

Drawings N7301



arkets. During continuou are nominal values. Ill



N7301 2600lm Flood TD US

y↑ 80・ 70・ 60・ 50・ 40・ 30・ 20・ 10・

† 0 m→

N7301 2600lm Flood LH US

V

PICTOR LED N7301

N7301 2600ln Flood TT DS

20 lx 10 lx 2 lx

70 · 60 · 50 · 40 · 30 · 20 · 10 ·

† 0 m→

201x 101x 51x 21x * 11x

Light Patterns

Dim

20 lx 10 lx 5 lx 2 lx

A

17° 20 lx 10 lx 5 lx 2 lx 1 lx N7301 2600lm Flood RH US

y | 25

15 10 5

opeeneenee		
Theoretical Lumens Output:		4100lm
Operational Lumens Output:		2600lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		32W
Nominal Current at:	24V	1.3A
	12V	2.7A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		4 pcs DIN912 M10 (not supplied)
		4 pcs DIN912 M8 + DIN125 washer
Shock:		(not supplied)
Vibration:		60G
Lens:		15.3 Grms 24-2000Hz
Body:		РС
Weight:		Aluminium
IP Rating:		1.6kg
		IP68
		IP6К9К
Salt Mist:		SAE J1455
EMC:		ISO 9227 240H
		CISPR 25 Class 3
		ISO 13766
		ISO 14982
Operating Temperatures:		ISO 7637-2
Packing:		-40°C +85°C (Overheat protected)
		12 pce / Box



Features Long Lifetime Low Maintenance ∞ 11 4 Reverse Voltage Protected Heavy Duty Construction C EMO X Load Dump Protected Over Voltage Protected Overheat Protected (V) Salt Mist Optically Even Light Distribution Multi Voltage 1 1 1 Connectors Built-In Deutsch 2-pin (left or right) 60

Lenses

Diffused

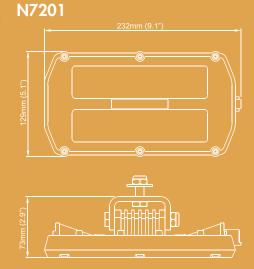
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NORDIC TAURUS LED SERIES

The Nordic TAURUS LED work lamp is ideal for illuminating short distances in any 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.

Drawings



Not all products are available in all markets. During continuous improvement specifications and design are changing. All values are nominal values. Illustrations do not necessarily show the design of every version and some features are version specific. The lumens autorumatic depending on loss colour.



TAURUS LED N7201

-

Light Patterns

N7201 1950lm Diffused

opeeneenee		
Theoretical Lumens Output:		3100lm
Operational Lumens Output:		1950lm
Colour Temperature:		5300K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		30W
Nominal Current at:	24V	1.25A
	12V	2.5A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin (left or right)
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		PC
Body:		Aluminium
Weight:		1.3kg
IP Rating:		IP68
		IP6К9К
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		10 pce / Box

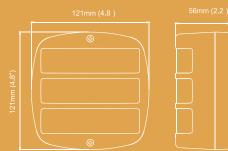


NORDIC DORADO LED SERIES

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. Tell Tail compatible lamps works with all machines that uses bulb lights without needing additional flasher relay/bulb simulation moduls. The DORADO LED is Tell Tail compatible and also available without this feature.

Drawings

N70



Features Heavy Duty Construction Long Lifetime Low Maintenance co Reverse Voltage Protected Protected Salt Mist Over Voltage Overheat U 1 1 4 Protected Protected Multi Voltage Low Power Compact Consumption Light Weight Tell Tale g Integrating • (!)Tail, Stop and Indicator in On Assembly Potted Electronics The state Connectors 4 pin Male Terminal 6.3 x 0.8 mi Lenses Transparent

lot all products are available in all markets. During continuous improvement specifications nd design are changing. All values are nominal values. Illustrations do not necessarily ow the design of every version and some features are version specific. The lumen: utput varies depending on lens colour



DORADO LED N70

Specifications

specifications		
Approvals:		ECE E17-10R
		ECE E4 6R & 7R
Nominal / Input Voltage DC:	24V	16-32V
	12V	8-16V
Power Consumption:		Brake 1.4W
		Indicator 1.4W
	Tell Tail 24V	Indicator 18W
	Tell Tail 12V	Indicator 20W
		Tail 0.4W
Nominal Current at 12V:		Brake 116mA
		Indicator 116mA
	Tell Tail	Indicator 150mA
		Tail 34mA
Nominal Current at 24V:		Brake 58mA
		Indicator 58mA
	Tell Tail	Indicator 75mA
		Tail 17mA
Electronics:		Integrated - Epoxy Encapsulated
Connector:		4 pin Male Terminal 6.3 x 0.8
Mount:		Móx25 2pcs
Shock:		60G
Vibration:		20Grms 24-2000Hz
Lens:		РС
Body:		Polyamide
Weight:		0.4kg
Salt Mist:		ISO 9227 240H
EMC:		EN 12895
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box

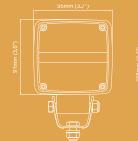


NORDIC KL10XX LED SERIES

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.

	Features				
∞	Long Lifetime	1ĭ,	Low Maintenance	4	Waterproof
0 ⁹⁹	Heavy Duty Construction	⁺₽ ⁻	Reverse Voltage Protected	I AMO	ЕМС
Ø	Load Dump Protected	\forall	Over Voltage Protected	X	Overheat Protected
ه ه ه ه •	Salt Mist	6	Optically Even Light Distribution	×7	Multi Voltage
	Compact	C ç	Dimmable		
	Connecto	ors			
1	Fly Leads	6	Pigtail Deutsch 2-pin		
	Lenses				
	Amber	-	Blue		Red
Ş	Transparent	Ş	Diffused	Ş	Yellow

Drawings KL1001, KL1002





Not all products are available in all markets. During continuous improvement specifications and design are changing. All values are nominal values. Illustrations do not necessarily how the design of every version and some features are version specific. The lumens utput varies depending on lens colour



Light Patterns

KL1001 800lm Diffused

y 25

20 15

_† (

17°

20 lx 10 lx 5 lx 2 lx

Specifications

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



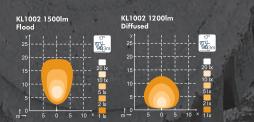
KL1001 1000lm Flood

KL1002 LED

17°

20 |×

Light Patterns



Sp	e	ifi	cat	io	ns	
71		1.1	0			

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



NORDIC KL11XX LED SERIES

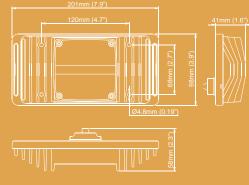
The Nordic KL11XX LED work light is a rectangular LED work lamp for surface mount on the application body.

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



Drawings





lot all products are available in all markets. During continuous improvement specifications nd design are changing. All values are nominal values. Illustrations do not necessarily now the design of every version and some features are version specific. The lumens utput varies depending on lens colour



KL1101 800lm Diffused

> y 25-20-15-

t 0

17°

20 lx 10 lx 5 lx 2 lx

Light Patterns

Specifications

opecifications		
Theoretical Lumens Output:		1600lm
Operational Lumens Output:		1000lm
Colour Temperature:		5700K
Nominal Voltage DC:		12-24V
Input Voltage Range DC:		9-32V
Power Consumption:		24W
Nominal Current at:	24V	1.0A
	12V	2.0A
Electronics:		Integrated / Isolated
Connector:		Fly Leads
		Pigtail AMP
		Pigtail Deutsch 2-pin
		Pigtail PGJ19-5
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:		CISPR 25 Class 5
		EN12895
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box



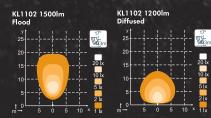
KL1101 1000lm Flood

KL1102 LED

17°

20 |x 0 |x 5 |x

Light Patterns



Theoretical Lumens Output:		2400lm
Operational Lumens Output:		1500lm
Colour Temperature:		5700K
Nominal Voltage DC:		12-24V
Input Voltage Range DC:		9-32V
Power Consumption:		24W
Nominal Current at:	24V	1.0A
	12V	2.0A
Electronics:		Integrated / Isolated
Connector:		Fly Leads
		Pigtail AMP
		Pigtail Deutsch 2-pin
		Piqtail PGJ19-5
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:		CISPR 25 Class 5
		EN12895
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box
		··· ·· · · · · · · · · · · · · · · · ·



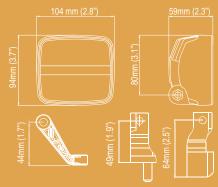
NORDIC KL20XX LED SERIES

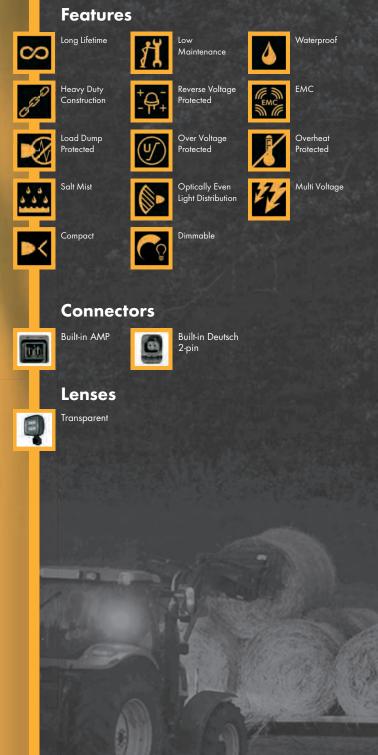
The Nordic KL2OXX LED work lamp is an affordable upgrade for your lighting needs, The KL2OXX LED matches the basic introduction level needs for heavy duty lighting and is the right light when replacing halogen work lights.

The lamp is available with three different bracket options.

Drawings

NORDIC KL2001 LED



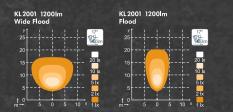


Not all products are available in all markets. During continuous improvement specifications ind design are changing. All values are nominal values. Illustrations do not necessarily how the design of every version and some features are version specific. The lumens ulput varies depending on lens colour



Light Patterns

opecifications		
Theoretical Lumens Output:		1900lm
Operational Lumens Output:		1200lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Nominal Current at:	24V	0.8A
	12V	1.7A
Electronics:		Integrated
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
Mount:		Single Bolt M8
Shock:		60Ğ
Vibration:		8Grms 24-2000Hz
Lens:		PC
Body:		Aluminium
Weight:		0.5kg
IP Rating:		Integrated
		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 5
		EN12895
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box





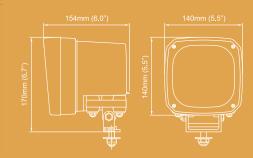
NORDIC N400 HID SERIES

The Nordic N400 HID has been developed for use in harsh conditions.

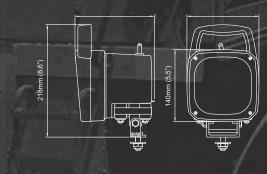
The light features Xtreme Heavy Duty Dampening and available in standard 35W or 45W Booster implementation. The work light is also available with Handle and Switch. The N400 HID is highly resistant to shock and vibration.

Drawings

N400 HID BOOSTER XD, N400 HID



N400 HID BOOSTER XD HS, N400 HID



Features

Waterproof

Distinct Light

High Lumens / Watt Efficiency

Integrated Ballast

Interchangeable Light Unit

Built-in Deutsch

Lenses

2-pin

Amber

60

Connectors

Pattern

Heavy Duty Construction

Different Lens Colour Versions Available

Extreme Heavy Duty Dampening

Membrane Vent Installed

Mounting on Any Required Axis

Pigtail Deutsch 2-pin

Transparent

Salt Mist

High Light Output

Heavy Duty Glass Fibre Reinforced

Handle And

Switch

Housing Hardened Glass

1 1 1

tor all products are available in all markets. During continuous improvement specifications nd design are changing. All values are nominal values. Illustrations do not necessarily now the design of every version and some features are version specific. The lumens utput varies depending on lens colour



N400 HID 45W Low Beam

N400 HID 45W Wide Flood

25

N400 HID BOOSTER XD

3500lm, 45W, Xtreme Dampening

Light Patterns

20 lx 10 lx 5 lx 2 lx

17°

20 |x 10 |x 5 |x 2 |x N400 HID 45W Flood

Specifications

opeaneene		
Theoretical Lumens Output:		5200lm
Operational Lumens Output:		3500lm
Colour Temperature:		4250K
Nominal / Input Voltage DC:	24V	16-32V
	12V	8-16V
Bulb:		35W D1S
Nominal Current at:	24V	2.0A
	12V	4.1A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
		Piatail Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		50Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		Hardened Glass
Body:		Glass Fibre Reinforced Polyamide
Weight:		1.3kg
IP Rating:		IP68
		IP6K9K
Salt Mist:		ISO 9227 240H
EMC:		ISO 13766
Operating Temperatures:		-40°C +85°C
Packing:		6 pce / Box



N400 HID XD

N400 HID 45W High Beam

20 lx 10 lx 5 lx 2 lx

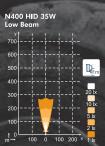
20 lx 10 lx 5 lx 2 lx

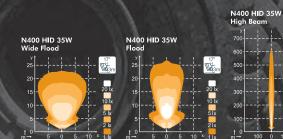
17° 17° 3m

20 Ix 10 Ix 5 Ix 2 Ix

2500lm, 35W, Xtreme Dampening

Light Patterns





Specifications

		ALC: NO DECEMBER OF ALC: N
Theoretical Lumens Output:		3200lm
Operational Lumens Output:		2500lm
Colour Temperature:		4250K
Nominal / Input Voltage DC:	24V	16-32V
	12V	8-16V
Bulb:		35W D1S
Nominal Current at:	24V	1.5A
	12V	3.0A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		50Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		Hardened Glass
Body:		Glass Fibre Reinforced Polyamide
Weight:		1.3kg
IP Rating:		IP68
		IP6K9K
Salt Mist:		ISO 9227 240H
EMC:		ISO 13766
Operating Temperatures:		-40°C +85°C
Packing:		6 pce / Box

67



N400 HID BOOSTER XD HS

3500lm, 45W, Xtreme Dampening, Handle & Switch

Light Patterns

20 b 10 b 5 lx 2 lx

N400 HID 45W Low Beam

y 700

Specifications

Theoretical Lumens Output:		5200lm
Operational Lumens Output:		3500lm
Colour Temperature:		4250K
Nominal / Input Voltage DC:	24V	16-32V
	12V	8-16V
Bulb:		35W D1S
Nominal Current at:	24V	2.0A
	12V	4.1A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
		Piatail Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		50Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		Hardened Glass
Body:		Glass Fibre Reinforced Polyamide
Weight:		1.3kg
IP Rating:		IP68
		IP6K9K
Salt Mist:		ISO 9227 240H
EMC:		ISO 13766
Operating Temperatures:		-40°C +85°C
Packing:		6 pce / Box

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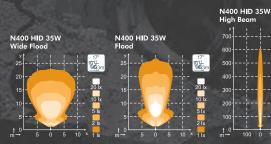
N400 HID XD HS

N400 HID 45W High Beam

20 lx 10 lx 5 lx 2 lx

20 lx 10 lx 5 lx 2 lx

2500lm, 35W, Xtreme Dampening, Handle & Switch



Specifications

Theoretical Lumens Output:		3200lm
Operational Lumens Output:		2500lm
Colour Temperature:		4250K
Nominal / Input Voltage DC:	24V	16-32V
	12V	8-16V
Bulb:		35W D1S
Nominal Current at:	24V	1.5A
	12V	3.0A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
		Piatail Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		50Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		Hardened Glass
Body:		Glass Fibre Reinforced Polyamide
Weight:		1.3kg
IP Rating:		IP68
		IP6K9K
Salt Mist:		ISO 9227 240H
EMC:		ISO 13766
Operating Temperatures:		-40°C +85°C
Packing:		6 pce / Box
		· · · · · · · · · · · · · · · · · · ·

Light Patterns

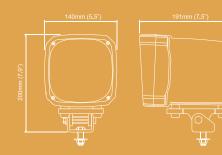




NORDIC N200 HID SERIES

The Nordic N200 HID is a strong living

Drawings N200 HID XD



Heavy Duty Construction 4 4 4 High Lumens / Watt Efficiency Distinct Light High Light Output Pattern Extreme Heavy Duty Dampening Heavy Duty Aluminium Integrated Ballast 見 Housing Interchangeable Light Unit Hardened Glass Membrane Vent Installed Potted Electronics Mounting on Any Required Axis AU **Connectors** Built-in Deutsch 2-pin 60 Lenses Transparent Q

Salt Mist

Features

Waterproof



Light Patterns

Specifications

20 lx 20 lx 5 lx 2 lx x 1 lx

Theoretical Lumens Output:		3200lm
Operational Lumens Output:		2500lm
Colour Temperature:		4250K
Nominal / Input Voltage DC:	24V	16-32V
	12V	8-16V
Bulb:		35W D2S
Nominal Current at:	24V	1.7A
	12V	3.4A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		20Grms 24-2000Hz
Lens:		Hardened Glass
Body:		Aluminium
Weight:		2.4kg
IP Rating:		IP68
Salt Mist:		ISO 9227 240H
EMC:		ISO 13766
Operating Temperatures:		-40°C +85°C
Packing:		6 pce / Box

N200 HID 35W Low Beam

		High Beam
N200 HID 35W	N200 HID 35W	700
Wide Flood	Flood	600
25 173	25	500
20	20	400 400
15 20	19	300]
10 10	10 i ii-	· 200
5 5 ⁻ 5 ⁻ 5 ⁻	5 5Tx	100
$m \rightarrow 5 0 5 10 \times 11$	$m \rightarrow 50510 \times 11x$	1 0 100 0 100 m → 100 0 100



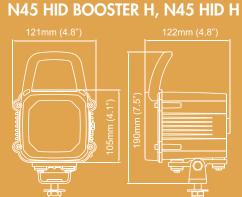


NORDIC N45 HID SERIES

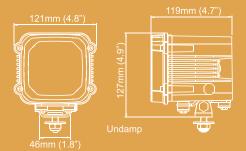
The Nordic N45 HID is a compact Heavy Duty lighting solution.

The light features Xtreme Heavy Duty Dampening and is available in standard 35W or 45W Booster implementation. The work light is also available with Handle. The N45 HID is highly resistant to shock and vibration.

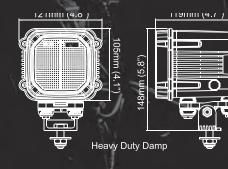




N45 HID BOOSTER, N45 HID



N45 HID BOOSTER XD, N45 HID XD



Features

Waterproof

Distinct Light

Pattern

Compact

Integrated Ballast

Interchangeable

Built-in Deutsch

Lenses

Transparent

2-pin

60

Connectors

Light Unit

Heavy Duty Construction

High Light Output

Extreme Heavy Duty Dampening

Membrane Vent Installed

Versions for

Mounting on Any Required Axis

Pigtail Deutsch 2-pin

Gore™

Salt Mist

High Lumens / Watt Efficiency

Heavy Duty

Hardened Glass

Aluminium Housing

Handle

4 4 4

ALU

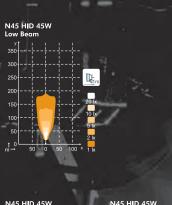
72



N45 HID BOOSTER XD

3500lm, 45W, Xtreme Dampening

Light Patterns



N45 HID 45W Wide Flood	- N.	N45 HID 45W Flood		350
		FIOOD		300
25	17 17 3m	25	17 17 3m	250
20-		20		200
15-	201x	15	²⁰¹ x	150
10	101x	10	101×	100
5		5		50
	$5 10 \times 11$		5 10 × 11v	

Specifications

Theoretical Lumens Output:		5200lm
Operational Lumens Output:		3500lm
Colour Temperature:		4250K
Nominal / Input Voltage DC:	24V	16-32V
	12V	8-16V
Bulb:		35W D1S
Nominal Current at:	24V	2.0A
	12V	4.1A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		50Ğ
Vibration:		20Grms 24-2000Hz
Lens:		Hardened Glass
Body:		Aluminium
Weight:		1.2kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		ISO 13766
Operating Temperatures:		-40°C +85°C
Packing:		12 pce / Box



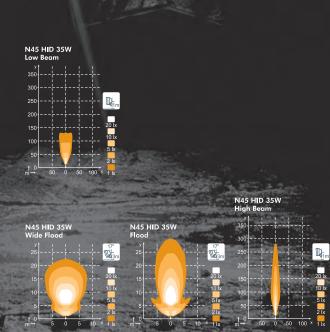
N45 HID XD

N45 HID 45W High Beam

20 lx 10 lx 5 lx 2 lx

2500lm, 35W, Xtreme Dampening

Light Patterns



Specifications

		· · · · · · · · · · · · · · · · · · ·
Theoretical Lumens Output:		3200lm
Operational Lumens Output:		2500lm
Colour Temperature:		4250K
Nominal / Input Voltage DC:	24V	16-32V
	12V	8-16V
Bulb:		35W D1S
Nominal Current at:	24V	1.5A
	12V	3.0A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
		Piqtail Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		50Ğ
Vibration:		20Grms 24-2000Hz
Lens:		Hardened Glass
Body:		Aluminium
Weight:		1.2kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		ISO 13766
Operating Temperatures:		-40°C +85°C
Packing:		12 pce / Box

Q

N45 HID 45W Low Beam

N45 HID 45W Wide Flood

200 150 100

N45 HID BOOSTER 3500lm, 45W

N45 HID 45W High Beam

20 lx 10 lx 5 lx 2 lx

20 lx 10 lx 2 lx 2 lx

17°

20 lx 10 lx 5 lx 200

150 100

Light Patterns

17°

20 |× 10 |× 5 |x N45 HID 45W Flood

25-

Specifications

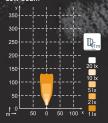
specifications	C	
Theoretical Lumens Output:		5200lm
Operational Lumens Output:		3500lm
Colour Temperature:		4250K
Nominal / Input Voltage DC:	24V	16-32V
	12V	8-16V
Bulb:		35W D1S
Nominal Current at:	24V	2.0A
	12V	4.1A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
		Piatail Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		50Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		Hardened Glass
Body:		Aluminium
Weight:		1.1kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		ISO 13766
Operating Temperatures:		-40°C +85°C
Packing:		12 pce / Box

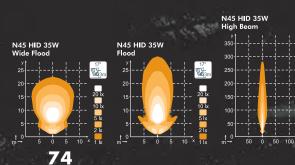


N45 HID 2500lm, 35W

Light Patterns

N45 HID 35W Low Beam





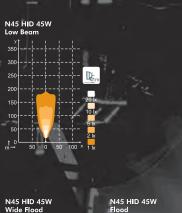
Specifications

Theoretical Lumens Output:		3200lm
Operational Lumens Output:		2500lm
Colour Temperature:		4250K
Nominal / Input Voltage DC:	24V	16-32V
	12V	8-16V
Bulb:		35W D1S
Nominal Current at:	24V	1.5A
	12V	3.0A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		50Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		Hardened Glass
Body:		Aluminium
Weight:		1.1kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		ISO 13766
Operating Temperatures:		-40°C +85°C
Packing:		12 pce / Box



N45 HID BOOSTER H 3500lm, 45W, Handle

Light Patterns



N45 HID 45W Vide Flood	N45 HID 45W Flood	350 300
25	3m 25	250
20 -	20	200
15 20		150]
10 10		· - 100
5	5	50
		t o 🖵

High	n Beam	1	
у 350			
300-			
250			D;
200		.	
150			20 l>
100			5 lx
50			2 lx
+ 0			

0 |x 5 |x 2 |x

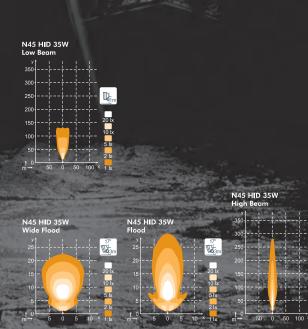
Theoretical Lumens Output:		5200lm
Operational Lumens Output:		3500lm
Colour Temperature:		4250K
Nominal / Input Voltage DC:	24V	16-32V
Nominal / Input Voltage DC:		
D. II.	12V	<u>8-16V</u>
Bulb:		35W D1S
Nominal Current at:	24V	2.0A
	12V	4.1A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
		Piatail Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		50Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		Hardened Glass
Body:		Aluminium
Weight:		1.1kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		ISO 13766
Operating Temperatures:		-40°C +85°C
Packing:		12 pce / Box

HID WORK LIGHTS



N45 HID H 2500lm, 35W, Handle

Light Patterns



Specifications

Specifications

Theoretical Lumens Output:		3200lm
Operational Lumens Output:		2500lm
Colour Temperature:		4250K
Nominal / Input Voltage DC:	24V	16-32V
	12V	8-16V
Bulb:		35W D1S
Nominal Current at:	24V	1.5A
	12V	3.0A
Electronics:		Integrated
Connector:		Built-in Deutsch 2-pin
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
Shock:		50Ğ
Vibration:		15.3Grms 24-2000Hz
Lens:		Hardened Glass
Body:		Aluminium
Weight:		1.1kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		ISO 13766
Operating Temperatures:		-40°C +85°C
Packing:		12 pce / Box



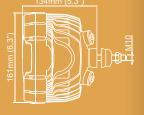
NORDIC SCULPTOR LED SERIES

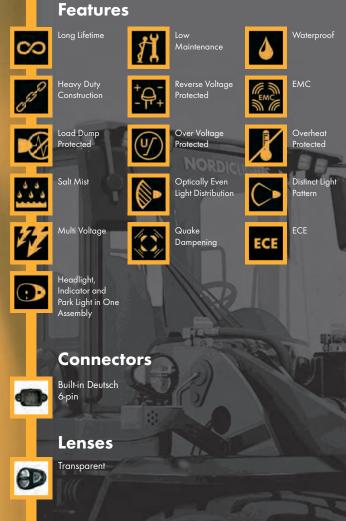
The Nordic SCULPTOR LED QD integrates headlight, indicator and park light in one assembly. The light is very useful in agricultural, construction as well as truck and trailer applications.

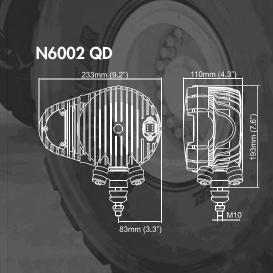
The SCULPTOR LED QD combination light is available as ECE approved version and a ideal LED solution for a headlamp/indicator requirement.

Drawings N6001 QD









Not all products are available in all markets. During continuous improvement specification ind design are changing. All values are nominal values. Illustrations do not necessarily how the design of every version and some features are version specific. The lumen ulput varies depending on lens colour



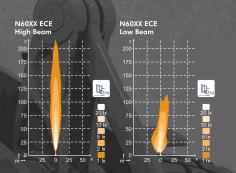
SCULPTOR LED N6001 QD

ECE, Quake Dampening, Rear mount

Light Patterns

Specifications

specifications		
Approvals:		ECE
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Bulb ECE:	Indicator	17.5W
	Park	2.7W
	Headlight	22W
Electronics:		Integrated
Connector:		Built-in Deutsch 6-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		15.3 Grms 24-2000Hz
Lens:		PC
Body:		Aluminium
Weight:		2.5kg
IP Rating:		IP68
		IP6K9K
		SAEJ1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		EN12895
		ISO 13766
		ISO 14982
		ISO 7637-2
		R10
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		6 pce / Box



H
YES

Light Patterns

SCULPTOR LED N6002 QD

ECE, Quake Dampening, Pedestal mount

N60XX ECE Low Beam N60XX ECE 20 lx 10 lx 5 lx 2 lx 75 50 25

Specifications		
Approvals:		ECE
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Bulb ECE:	Indicator	17.5W
	Park	2.7W
	Headlight	22W
Electronics:		Integrated
Connector:		Built-in Deutsch 6-pin
Mount:		Single Bolt M10
Shock:		60Ğ
Vibration:		15.3 Grms 24-2000Hz
Lens:		РС
Body:		Aluminium
Weight:		2.5kg
IP Rating:		IP68
		IP6K9K
		SAEJ1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 3
		EN12895
		ISO 13766
		ISO 14982
		ISO 7637-2
		R10
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		6 pce / Box



NORDIC N5XX 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.

Salt Mist



Features



Headlight, Indicator and Park Light in One Assembly



SAE

Extra Wide Viewing Angle from Single Indicator Lamp



4 4 4

E BA



Park Light in One Assembly 3-Point Vibration Dampening



Connectors



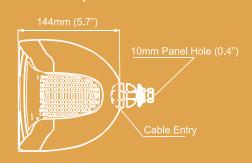
Grommet

Pigtail Deutsch 6-pin

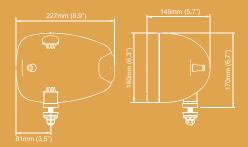
Built-in AMP

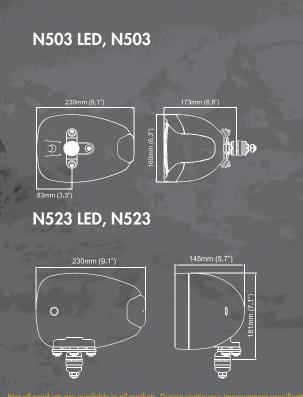
Lenses Transparent

Drawings N500 LED, N500



N520 LED, N520





and design are changing. All values are nominal values. Illustrations do not necessarily show the design of every version and some features are version specific. The lumens output version design on lans colour. ECE or SAE, LED Indicator, 3-Point Vibration Dampening, Pedestal mount

Light Patterns

Specifications

N5XX SAE						
Low Beam	-					
200						
175	i 					
125	📭					
100			ers 8			NAM I
75	20 lx 10 lx					
25	5 k					
	2 lx 25 50 × 1 lx					
N5XX ECE		XX ECE		N5XX SAE		
High Beam		v Beam		High Beam		
200	200			200	-4	
175	175	;		175		
150	150			150		_
125	125	;	📭	125	📭	
100	100	,		100		
75	20 1x 75	;	201x	75	20 lx	
50	10 × 50	,	10 Ix	50	10 lx	
25	5 lx 2 lx 25	; <u></u>	5 lx 2 lx	25	^{5 lx} 2 lx	
	$\xrightarrow{!} \xrightarrow{!} \xrightarrow{!} \xrightarrow{!} \xrightarrow{!} \xrightarrow{!} \xrightarrow{!} \xrightarrow{!} $		50 × 11x		25 50 × 1 lx	

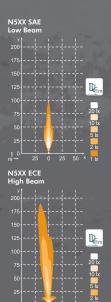
Approvals:		ECE
		SAE
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	12V	8-16V
Bulb ECE:	Headlight	24V 75/70W H4 (P43t)
	Park	24V W5W (W2.1x9.5d)
	Indicator	LED
Bulb SAE:	Headlight	9007 12V 65/55W_HBS
	Indicator	LED
	Park	W5W 12V
Electronics:		Integrated
Connector:		Built-in AMP 6-pin
		Built-in Deutsch 6-pin
		Grommet
		Pigtail Deutsch 6-pin
Mount:		Single Bolt M10 10.8Grms 18-600Hz
Vibration:		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
Packing:		6 pce / Box

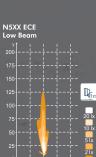


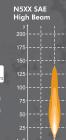
N520 LED

ECE or SAE, LED Indicator, Pedestal mount

Light Patterns





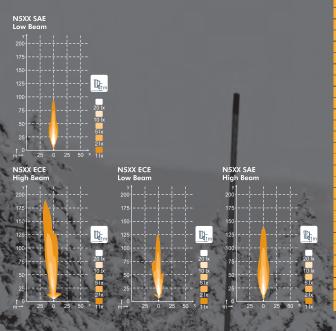


20 lx 10 lx 5 lx 2 lx

Approvals:		ECE	
		SAE	
Colour Temperature:		3200K	
Nominal / Input Voltage DC:	24V	16-32V	
	12V	8-16V	
Bulb ECE:	Headlight	24V 75/70W H4 (P43t)	
	Park	24V W5W (W2.1x9.5d)	
	Indicator	LED	
Bulb SAE:	Headlight	9007 12V 65/55W HBS	
	Indi <u>cat</u> or	LED	
	Park	W5W 12V	
Electronics:		Integrated	
Connector:		Built-in AMP 6-pin	
		Built-in Deutsch 6-pin	
		Grommet	
		Pigtail Deutsch 6-pin	
Mount:		Single Bolt M10	
Vibration:		<u>N/Ă</u>	
Lens:		Hardened Glass	
Body:		Polyamide	
Weight:		1.5kg	
IP Rating:		IP54	
Salt Mist:		ISO 9227 240H	
Operating Temperatures:		<u>-40°C +85°C</u>	
Packing:		6 pce / Box	



Light Patterns



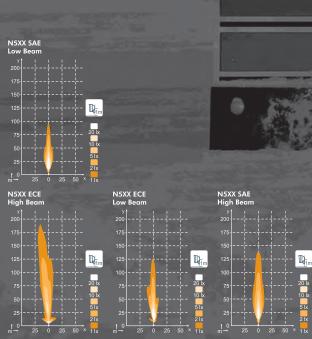
Specifications

	ECE
	SAE
	3200K
24V	16-32V
12V	8-16V
Headlight	24V 75/70W H4 (P43t)
Park	24V W5W (W2.1x9.5d)
Indicator	LED
Headlight	9007 12V 65/55W HBS
Indicator	LED
Park	W5W 12V
	Integrated
	Built-in AMP 6-pin
	Built-in Deutsch 6-pin
	Grommet
	Pigtail Deutsch 6-pin
	Single Bolt M10
	10.8Grms 18-600Hz
	Hardened Glass
	Polyamide
	1.5kg
	IP54
	ISO 9227 240H
	-40°C +85°C
	6 pce / Box
	12V Headlight Park Indicator Headlight Indicator



N500 LED ECE or SAE, LED Indicator, Rear mount

Light Patterns



Specifications

Approvals:	
Colour Temperature:	
Nominal / Input Voltage DC:	24V
	12V
Bulb ECE:	Headlight
	Park
	Indicator
Bulb SAE:	Headlight
	Indicator
	Park
Electronics:	
Connector:	
Mount:	
Vibration:	
Lens:	
Body:	
Weight:	
IP Rating:	
Salt Mist:	
Operating Temperatures:	
Packing:	

ECE SAE 3200K 16-32V 8-16V 24V 75/70W H4 (P43t) 24V W5W (W2.1x9.5d) LED 9007 12V 65/55W HBS LED W5W 12V Integrated Built-in AMP 6-pin Built-in Deutsch 6-pin Grommet Pigtail Deutsch 6-pin Single Bolt M10 N/A Hardened Glass Polyamide 1.5kg IP54 ISO 9227 240H -40°C ... +85°C 6 pce / Box



N523 Halogen ECE or SAE, 3-Point Vibration Dampening, Pedestal mount

Light Patterns



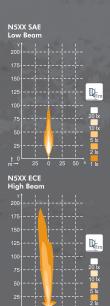
			Nom
			Bulb
			_
N5XX SAE			Bulb
Low Beam	~		-
200			Elect
175	÷-		Conn
150	÷		
125	D _{im}		
100			
75	20 lx		Mou Vibro
50	10 lx		Lens
	5 lx		
25			Body
	2 Ix		Body Weig
n → 25 0 25	2 lx 50 × 1 lx		Weig IP Ro
	2 Ix	N5XX SAE High Beam	Weig IP Ro Salt
$ \begin{array}{c} & 1 \\ m \rightarrow \end{array} \begin{array}{c} 25 \\ \hline 25 \\ \hline 0 \\ 25 \\ \hline 0 \\ 25 \\ \hline 0 \\ 25 \\ \hline 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\$	N5XX ECE Low Beam	High Beam	Weig IP Ro Salt Oper
$ \begin{array}{c} 1 \\ m \rightarrow \end{array} \begin{array}{c} 25 \\ 25 \\ m \rightarrow \end{array} \begin{array}{c} 25 \\ 25 \\ m \rightarrow \end{array} \begin{array}{c} 25 \\ 25 \\ m \rightarrow \end{array} \begin{array}{c} 25 \\ m \rightarrow } \end{array} \begin{array}{c} 25 \\ m \rightarrow \end{array} \begin{array}{c} 25 \\ m \rightarrow } \end{array} \begin{array}{c} 25 \\ m \rightarrow \end{array} \begin{array}{c} 25 \\ m \end{array} \begin{array}{c} 25 \end{array} \begin{array}{c} 25 \\ m \end{array} \begin{array}{c} 25 \\ m \end{array} \begin{array}{c} 25 \end{array}$	 50 * 11k N5XX ECE Low Beam 200	High Beam	Weig IP Ro Salt
$ \frac{1}{10000000000000000000000000000000000$	200	High Beam	Weig IP Ro Salt Oper
175	50 × 11x 50 × 11x N5XX ECE Low Beam 200	High Beam 200	Weig IP Ro Salt Oper Packi
125 0 25 0 25 N5XX ECE High Beam 200	200 220 200 150	High Beam 200 175 150 150 125 125	Weig IP Ro Salt Oper
125 0 25 N5XX ECE High Beam 200	200	High Beam 200 175 150 125 125 100	Weig IP Rd Salt 1 Oper Pack
0 25 0 0 0 25 0 25 0 25 0 25 0 25 0 25 0 25 0 25 0 25 0 25 15 20 0 175 175 175 175 175 175 175 175	200	High Beam 200 175 150 125 125 100 201x 75	Weig IP Ro Salt Oper Packi
0 25 0 0 0 0 0 0 0 0 0 0 0 0 0	200	High Beam 200 175 150 125 100 201x 75 51x 50	Veig IP Ro Salt 1 Oper Packi
0 25 0 0 0 25 0 25 0 25 0 25 0 25 0 25 0 25 0 25 0 25 0 25 15 20 0 175 175 175 175 175 175 175 175	2 k 50 × 1 k N5XX ECE Low Beam 175	High Beam 200 175 150 221 201x 75 101x 50 51x 25 21x 25	Weig IP Ro Salt Pack Pack

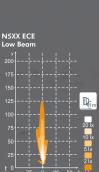
Approvals:		ECE
		SAE
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	12V	8-16V
Bulb ECE:	Headlight	24V 75/70W H4 (P43t)
	Indicator	24V PY21W (BAU15s)
	Park	24V W5W (W2.1x9.5d)
Bulb SAE:	Headlight	9007 12V 65/55W HBS
	Indicator	P21W 12V BA15s
	Park	W5W 12V
Electronics:		Integrated
Connector:		Built-in AMP 6-pin
		Built-in Deutsch 6-pin
		Grommet
		Pigtail Deutsch 6-pin
Mount:		Single Bolt M10
Vibration:		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
Packing:		6 pce / Box
I werning.		



N520 Halogen ECE or SAE, Pedestal mount

Light Patterns





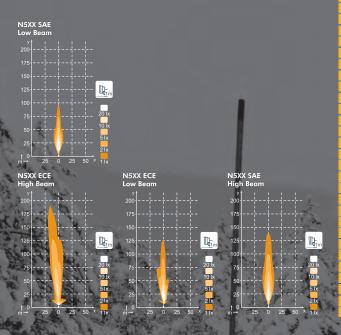


20 lx 10 lx 5 lx 2 lx

Specifications			
Approvals:		ECE	
		SAE	
Colour Temperature:		3200K	
Nominal / Input Voltage DC:	24V	16-32V	
	12V	8-16V	
Bulb ECE:	Hea <u>dlig</u> ht	24V 75/70W H4 (P43t)	
	Indicator	24V PY21W (BAU15s)	
	Park	24V W5W (W2.1x9.5d)	
Bulb SAE:	Headlight	9007 12V 65/55W HBS	
	Indicator	P21W 12V BA15s	
	Park	W5W 12V	
Electronics:		Integrated	
Connector:		Built-in AMP 6-pin	
		Built-in Deutsch 6-pin	
		Grommet	
		Pigtail Deutsch 6-pin	
Mount:		Single Bolt M10	
Vibration:		N/Ă	
Lens:		Hardened Glass	
Body:		Polyamide	
Weight:		1.5kg	
IP Rating:		IP54	
Salt Mist:		ISO 9227 240H	
Operating Temperatures:		-40°C +85°C	
Packing:		6 pce / Box	



Light Patterns



Specifications

Approvals:		ECE
		SAE
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	12V	8-16V
Bulb ECE:	Headlight	24V 75/70W H4 (P43t)
	Indicator	24V PY21W (BAU15s)
	Park	24V W5W (W2.1x9.5d)
Bulb SAE:	Headlight	9007 12V 65/55W HBS
	Indicator	P21W 12V BÁ15s
	Park	W5W 12V
Electronics:		Integrated
Connector:		Built-in AMP 6-pin
		Built-in Deutsch 6-pin
		Grommet
		Pigtail Deutsch 6-pin
Mount:		Single Bolt M10
Vibration:		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
Packing:		6 pce / Box



N500 Halogen ECE or SAE, Rear mount

NSXX SAE NSXX SAE Not been 100 <

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





NORDIC N300 HALOGEN SERIES

The Nordic N300 Halogen work light is a solid, compact and slick work lamp.

The light features twin and single power configurations and has a cut light pattern to prevent stray light upward. The N300 Halogen is also available with handle, grill or Super damping. ECE approved Reverse implementation available.



Features

Reverse Light

Hardened Glass

Twin Power Offering a Very

Strong Wide Light Pattern

Heavy Duty

Anti-Vibration Dampening

Available with

Grill

Salt Mist

Heavy Duty Glass Fibre Reinforced

Twin Power

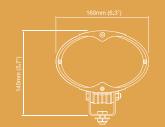
Non-dazzling

Handle And Switch

Housing

4 4 4

Drawings N300 D TP, N300 D, N300 D R



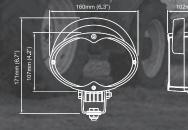


N300 SD TP, N300 SD





N300 D TP H, N300 D H, N300 D H





Light Weight

Suitable and Easy Fit for Many Applications

Very Good Light Pattern for

Work around the

Unit for Pendant

Application Rotate Light

Mount

Fly Leads

g

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tot all products are available in all markets. During continuous improvement specifications nd design are changing. All values are nominal values. Illustrations do not necessarily now the design of every version and some features are version specific. The lumens utput varies depending on lens colour



N300 HALOGEN SD

1400lm, Super Dampening

Light Patterns

Specifications

Specifications

Theoretical Lumens Output: 12V 1450lm 24V 1750lm Operational Lumens Output: 12V 1100lm 24V 1400lm 24V Colour Temperature: 3200K Nominal / Input Voltage DC: 24V 16-32V 36V 28-44V 48V 33-68V 80V 56-110V 12V 8-16V Bulb: H3 Power Consumption: 12V 55W 24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A
24V 1750lm Operational Lumens Output: 12V 1100lm 24V 1400lm Colour Temperature: 3200K Nominal / Input Voltage DC: 24V 16-32V 36V 28-44V 48V 33-68V 80V 56-110V 12V 8-16V Bulb: H3 Power Consumption: 12V 24V TOW Nominal Current at: 80V
24V 1400lm Colour Temperature: 3200K Nominal / Input Voltage DC: 24V 16-32V 36V 28-44V 33-68V 48V 33-68V 80V 56-110V 12V 8-16V 80V 56-110V 90ver Consumption: 12V 55W 24V HD Bulb 24V HD Bulb 65W 24V V 70W Nominal Current at: 80V 0,7A 0.7A
Colour Temperature: 3200K Nominal / Input Voltage DC: 24V 16-32V 36V 28-44V 48V 33-68V 80V 56-110V 12V 8-16V Bulb: H3 Power Consumption: 12V 24V HD Bulb 65W 24V 70W Nominal Current at: 80V
Nominal / Input Voltage DC: 24V 16-32V 36V 28-44V 48V 33-68V 80V 56-110V 12V 8-16V Bulb: H3 Power Consumption: 12V 55W 24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A
36V 28-44V 48V 33-68V 80V 56-110V 12V 8-16V Bulb: H3 Power Consumption: 12V 55W 24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A
36V 28-44V 48V 33-68V 80V 56-110V 12V 8-16V Bulb: H3 Power Consumption: 12V 55W 24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A
80V 56-110V 12V 8-16V Bulb: H3 Power Consumption: 12V 55W 24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A
12V 8-16V Bulb: H3 Power Consumption: 12V 55W 24V HD Bulb 65W 24V V 70W Nominal Current at: 80V 0.7A
Bulb: H3 Power Consumption: 12V 55W 24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A
Power Consumption: 12V 55W 24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A
24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A
24V 70W Nominal Current at: 80V 0.7A
24V 70W Nominal Current at: 80V 0.7A
A8V 1 AA
TUT 1.TA
36V 2.0A
24V 2.7A
12V 4.6A
Connector: Built-in AMP
Built-in Deutsch 2-pin
Fly Leads
Grommet
Pigtail Deutsch 2-pin
Mount: Single Bolt M10
Single Bolt M8
Shock: 60Ğ
Vibration: 8.57Grms 18-600Hz
Lens: Hardened Glass
Body: Glass Fibre Reinforced Polyamide
Weight: 0.5kg
IP Rating: IP67 (not Grommet)
Salt Mist: ISO 9227 240H
Operating Temperatures: -40°C +85°C
Packing: 24 pce / Box





N300 HALOGEN SD TP

2800lm, Twin Power, Super Dampening

Light Patterns





Theoretical Lumens Output:	12V	2900lm
	24V	3500lm
Operational Lumens Output:	12V	2200lm
	24V	2800lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	2 x 55W
	24V	<u>2 x 70W</u>
Nominal Current at:	80V	1.4A
	48V	2.8A
	<u>36V</u>	4.0A
	24V	5.4A
	12V	9.2A
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
		Fly Leads
		Grommet
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Shock:		60G
Vibration:		8.57Grms 18-600Hz
Lens:		Hardened Glass
Body:		Glass Fibre Reinforced Polyamide
Weight:		0.5kg
IP Rating:		IP67 (not Grommet)
Salt Mist:		ISO 9227 240H
Operating Temperatures:		<u>-40°C +85°C</u>
Packing:		24 pce / Box



N300 HALOGEN D

Light Patterns

Specifications

Specifications

Specifications		
Theoretical Lumens Output:	12V	1450lm
	24V	1750lm
Operational Lumens Output:	12V	1100lm
	24V	1400lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	55W
	24V HD Bulb	65W
	24V	70W
Nominal Current at:	80V	0.7A
	48V	1.4A
	36V	2.0A
	24V	2.7A
	12V	4.6A
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
		Fly Leads
		Grommet
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Shock:		60Ğ
Vibration:		8.57Grms 18-600Hz
Lens:		Hardened Glass
Body:		Glass Fibre Reinforced Polyamide
Weight:		0.5kg
IP Rating:		IP67 (not Grommet)
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		24 pce / Box



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N300 Halogen SP Wide Flood

N300 HALOGEN D TP

2800lm, Twin Power, Dampening

Light Patterns

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						20 lx
						10 lx
		R				5 lx
n d 0 m →		5	ò	5	10	× 1 lx
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Theoretical Lumens Output:	12V	2900lm
	24V	3500lm
Operational Lumens Output:	12V	2200lm
	24V	2800lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-23V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	2 x 55W
	24V	2 x 70W
Nominal Current at:	80V	1.4A
	48V	2.8A
	36V	4.0A
	24V	5.4A
	12V	9.2A
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
		Fly Leads
		Grommet
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Shock:		60Ğ
Vibration:		8.57Grms 18-600Hz
Lens:		Hardened Glass
Body:		Glass Fibre Reinforced Polyamide
Weight:		0.5kg
IP Rating:		IP67 (not Grommet)
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		24 pce / Box



N300 HALOGEN D H

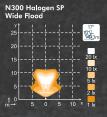
1400lm, Dampening, Handle

Light Patterns

Specifications

Specifications

Theoretical Lumens Output: 12V 1450lm Qperational Lumens Output: 12V 1100lm Qperational Lumens Output: 12V 1100lm Colour Temperature: 3200K Nominal / Input Voltage DC: 24Y 16-32V 36V 28-44V 48V 33-68V 80V 56-110V 12V 8-16V Bulb: H3 Power Consumption: 12V 24V 70W Nominal Current at: 80V 36V 2.0A 24V 70W Nominal Current at: 80V 36V 2.0A 24V 2.0A 24V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in Deutsch 2-pin Fly Leads 12V Grommet 12V 924V 2.7A 12V 4.6A Connector: Built-in Deutsch 2-pin Fly Leads 12V	specifications		
24V 1750lm Operational Lumens Output: 12V 1100lm 24V 1400lm 200K Nominal / Input Voltage DC: 24V 16-32V 36V 28-44V 33-68V 48V 33-68V 33-68V 80V 56-110V 56-110V 12V 8-16V 80V 90ver Consumption: 12V 55W 24V HD Bulb 65W 24V 24V 70W 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.0A 24V 2.0A 24V 2.7A 12V 4.6A 56V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet 9igtail Deutsch 2-pin 9igtail Beutsch 2-pin 500 M10 5ingle Bolt M10 5ingle Bolt M10 5ingle Bolt M10 5ingle Bolt M10 5ingle Bolt M3 5hock: 6	Theoretical Lumens Output:	12V	1450lm
24V 1400lm Colour Temperature: 3200K Nominal / Input Voltage DC: 24V 16-32V 36V 28-44V 48V 33-68V 48V 33-68V 80V 56-110V 12V 8-16V 80V 56-110V Bulb: H3 90wer Consumption: 12V 55W 24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.0A 24V 70W Nominal Current at: 80V 0.7A 12V 4.6A Connector: Built-in AMP 80V 2.7A 12V 4.6A Connector: Built-in Deutsch 2-pin Fly Leads 6 6 12V 4.6A 12V 4.6A 12V 4.6A 12V 4.6A 12V 4.6A 12V 4.6A 12V 12V 4.6A 12V 12V 12V 12V 12V 12V 12V 12V 12V <		24V	1750lm
24V 1400lm Colour Temperature: 3200K Nominal / Input Voltage DC: 24V 16-32V 36V 28-44V 48V 33-68V 48V 33-68V 80V 56-110V 12V 8-16V 80V 56-110V Bulb: H3 90wer Consumption: 12V 55W 24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.0A 24V 70W Nominal Current at: 80V 0.7A 12V 4.6A Connector: Built-in AMP 80V 2.7A 12V 4.6A Connector: Built-in Deutsch 2-pin Fly Leads 6 6 12V 4.6A 12V 4.6A 12V 4.6A 12V 4.6A 12V 4.6A 12V 4.6A 12V 12V 4.6A 12V 12V 12V 12V 12V 12V 12V 12V 12V <	Operational Lumens Output:	12V	1100lm
Nominal / Input Voltage DC: 24V 16-32V 36V 28-44V 48V 33-68V 80V 56-110V 12V 8-16V Bulb: H3 12V 8-16V Power Consumption: 12V 55W 24Y HD Bulb 65W 24Y HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A 24V 70W Nominal Current at: 80V 0.7A 24V 2.0A 24V 2.0A 24V 2.7A 24V 2.7A 12V 4.6A 2.0A 24V 2.7A 24V 2.7A 12V 4.6A 6A 2.0A 24V 2.7A 24V 2.7A 12V 4.6A 6A 2.0A 2.0A <td< th=""><th></th><th>24V</th><th>1400lm</th></td<>		24V	1400lm
Nominal / Input Voltage DC: 24V 16-32V 36V 28-44V 48V 33-68V 80V 56-110V 12V 8-16V Bulb: H3 12V 8-16V Power Consumption: 12V 55W 24Y HD Bulb 65W 24Y HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A 24V 70W Nominal Current at: 80V 0.7A 24V 2.0A 24V 2.0A 24V 2.7A 24V 2.7A 12V 4.6A 2.0A 24V 2.7A 24V 2.7A 12V 4.6A 6A 2.0A 24V 2.7A 24V 2.7A 12V 4.6A 6A 2.0A 2.0A <td< th=""><th>Colour Temperature:</th><th></th><th>3200K</th></td<>	Colour Temperature:		3200K
36V 28-44V 48V 33-68V 80V 56-110V 12V 8-16V Bulb: H3 Power Consumption: 12V 24V HD Bulb 65W 24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in Deutsch 2-pin Fly Leads Fly Leads Grommet Pigtail Deutsch 2-pin Single Bolt M10 Single Bolt M10 Single Bolt M10 Single Bolt M10 Shock: 60G Vibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP67 (not Grommet) Solt Mist: Sol Wist: ISO 9227 240H Operating Temperatures: -40°C +85°C	Nominal / Input Voltage DC:	24V	16-32V
80V 56-110V 12V 8-16V Bulb: H3 Power Consumption: 12V 24V HD Bulb 65W 24V HD Bulb 65W 24V HD Bulb 65W 24V HD W 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet Pistail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M10 Single Bolt M10 Single Bolt M3 Shock: 60G Vibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP Rating: IP67 (not Grommet) Solt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C		36V	28-44V
12V 8-16V Bulb: H3 Power Consumption: 12V 24V HD Bulb 65W 24V HD Bulb 65W 24V 70W Nominal Current at: 80V 36V 2.0A 48V 1.4A 36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet Pigtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M8 Shock: 60G Vibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP Rating: IP67 (not Grommet) Solt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C		48V	33-68V
Bulb: H3 Power Consumption: 12V 55W 24Y HD Bulb 65W 24Y 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet Pigtail Deutsch 2-pin Single Bolt M10 Single Bolt M10 Single Bolt M8 Shock: 60G Vibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP Rating: IP67 (not Grommet) Solt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C		80V	56-110V
Power Consumption:12V55W24V HD Bulb65W24V70WNominal Current at:80V0.7A48V1.4A36V2.0A24V2.7A12V4.6AConnector:Built-in AMPBuilt-in Deutsch 2-pinFly LeadsGrommetPigtail Deutsch 2-pinSingle Bolt M10Single Bolt M10Shock:60GVibration:8.57Grms 18-600HzLens:Hardened GlassBody:Glass Fibre Reinforced PolyamideWeight:0.5kgIP67 (not Grommet)Salt Mist:ISO 9227 240HOperating Temperatures:-40°C +85°C		12V	8-16V
24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet Pigtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M10 Single Bolt M10 Shock: 60G Vibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP Rating: IP67 (not Grommet) Solt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C	Bulb:		H3
24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet Pigtail Deutsch 2-pin Single Bolt M10 Single Bolt M10 Single Bolt M10 Single Bolt M8 Shock: 60G Vibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C	Power Consumption:	12V	55W
24V 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet Pigtail Deutsch 2-pin Mount: Single Bolt M10 Shock: 60G Wibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP67 (not Grommet) Solt Mist: Solt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C		24V HD Bulb	65W
48V 1.4A 36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet Pigtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M10 Single Bolt M8 Shock: 60G Vibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C			70W
48V 1.4A 36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet Pigtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M8 Shock: 60G Vibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP Rating: IP67 (not Grommet) Solf Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C	Nominal Current at:	80V	0.7A
24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Fly Leads Grommet 9igtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M10 Shock: 60G Vibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C		48V	
12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet Pigtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M10 Single Bolt M10 Shock: 60G Vibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP67 (not Grommet) Salt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C		36V	2.0A
Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Fly Leads Grommet Pigtail Deutsch 2-pin Pigtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M10 Single Bolt M8 Shock: 60G Vibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C		24V	2.7A
Built-in Deutsch 2-pin Fly Leads Grommet Pigtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M8 Shock: 60G Vibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C		12V	
Fly Leads Grommet Pigtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M8 Shock: 60G Vibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C	Connector:		Built-in AMP
Grommet Pigtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M8 606 Vibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C			Built-in Deutsch 2-pin
Pigtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M8 60G Vibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C			
Mount: Single Bolt M10 Single Bolt M8 60G Vibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C			
Mount: Single Bolt M10 Single Bolt M8 60G Vibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C			Pigtail Deutsch 2-pin
Shock: 60G Vibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C	Mount:		Single Bolt M10
Vibration: 8.57Grms 18-600Hz Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C			Single Bolt M8
Lens: Hardened Glass Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C	Shock:		
Body: Glass Fibre Reinforced Polyamide Weight: 0.5kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C			
Weight: 0.5kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C			
IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C			Glass Fibre Reinforced Polyamide
IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C	Weight:		
Salt Mist: ISO 9227 240H Operating Temperatures: -40°C +85°C	IP Rating:		
Operating Temperatures: -40°C +85°C Packing: 24 pce / Box	Salt Mist:		
Packing: 24 pce / Box	Operating Temperatures:		
	Packing:		24 pce / Box





N300 HALOGEN D TP H

2800lm, Twin Power, Dampening, Handle

Light Patterns

N300 Halogen TP Wide Flood



I heoretical Lumens Output:	120	2900lm
	24V	3500lm
Operational Lumens Output:	12V	2200lm
	24V	2800lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	2 x 55W
	24V	2 x 70W
Nominal Current at:	80V	1.4A
	48V	2.8A
	36A	4.0A
	24V	5.4A
	12V	9.2A
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
		Fly Leads
		Grommet
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Shock:		60Ğ
Vibration:		8.57Grms 18-600Hz
Lens:		Hardened Glass
Body:		Glass Fibre Reinforced Polyamide
Weight:		0.5kg
IP Rating:		IP67 (not Grommet)
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		24 pce / Box



N300 HALOGEN D R

450lm, Reverse, Dampening

Light Patterns

Specifications

opecifications		
Approvals:		ECE R23
Theoretical Lumens Output:	24V	550 lm
	12V	550lm
Operational Lumens Output:	24V	450 lm
	12V	450lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	55W
	24V HD Bulb	65W
	24V	70W
Nominal Current at:	80V	0.7A
	48V	1.4A
	36V	2.0A
	24V	2.7A
	12V	4.6A
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
		Fly Leads
		Grommet
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Shock:		60Ğ
Vibration:		8.57Grms 18-600Hz
Lens:		Hardened Glass
Body:		Glass Fibre Reinforced Polyamide
Weight:		0.5kg
IP Rating:		IP67 (not Grommet)
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C





N300 HALOGEN D H GRILL

1400lm, Dampening, Handle, Grill

Light Patterns

N30 Wide	0 Hala 9 Floo	ogen d	SP		
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20				·	<u>weyon</u>
15		-+			20 lx
10);		10 lx
5.			-		2 lx
m ^t oL	5	i	5	10	× <mark> </mark>
		8	8		

Specifications	1 3	
Theoretical Lumens Output:	12V	1450lm
	24V	1750lm
Operational Lumens Output:	12V	1100lm
	24V	1400lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	<u>33-68V</u>
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	55W
	24V HD Bulb	65W
	24V	70W
Nominal Current at:	80V	0.7A
	48V	1.4A
	36V	2.0A
	24V	2.7A
	12V	4.6A
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
		Fly Leads
		Grommet
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Shock:		60Ğ
Vibration:		8.57Grms 18-600Hz
Lens:		Hardened Glass
Body:		Glass Fibre Reinforced Polyamide
Weight:		0.5kg
IP Rating:		IP67 (not Grommet)
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		24 pce / Box





NORDIC N200 HALOGEN SERIES

The Nordic N200 Halogen is designed to surpass OEM standards for vibration, moisture and dust.

The light features Extreme Heavy Duty Dampening and Heavy Duty Anti-Vibration Dampening configurations. The N200 Halogen is available also with Handle. Proven reliability from artic to equator.

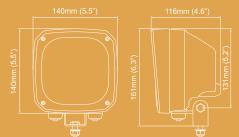
Drawings

N200 D H, N200 H





N200 XD



N200 D, N200

Features

Different Lens Colour Versions Available

Suitable and Easy Fit for Many Applications

Rotate Light Unit

Built-in Deutsch

Pigtail Deutsch 2-pin

for Vertical, Pendant or Side

mount

2-pin

Red

Extreme Heavy Duty Dampening

Hardened Glass Combined with Polyamide

Housing

Handle

Fly Leads

Transparent

Salt Mist

Light Weight

Heavy Duty Anti-Vibration

Dampening

Built-in AMP

Grommet

Lenses

Amber

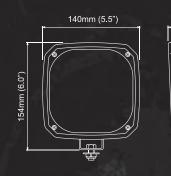
Yellow

Connectors

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g

1 dt





ot all products are available in all markets. During continuous improvement specifications nd design are changing. All values are nominal values. Illustrations do not necessarily ow the design of every version and some features are version specific. The lumens uput varies depending on lens colour



N200 Halogen Low Beam

300

200

150

N200 Halog Wide Flood

1 (m-

N200 HALOGEN XD

1400lm, Xtreme Dampening

Light Patterns

20 lx 10 lx 5 lx 2 lx

17°

N200 Halogen Flood

25

100

Specifications

specifications		
Theoretical Lumens Output:	12V	1450lm
	24V	1750lm
Operational Lumens Output:	12V	1100lm
	24V	1400lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	55W
	24V HD Bulb	65W
	24V	70W
Nominal Current at:	80V	0.7A
	48V	1.4A
	36V	2.0A
	24V	2.7A
	12V	4.6A
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
		Fly Leads
		Grommet
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Shock:	XD	60Ğ
Vibration:		8.57Grms 18-600Hz
Lens:		Hardened Glass
Body:		Polyamide
Weight:		0.6kg
IP Rating:		IP67 (not Grommet)
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		16 pce / Box

N200 HALOGEN D 1400lm, Dampening

N200 Haloge High Beam у 350

D;

20 lx 10 lx 5 lx 2 lx

300

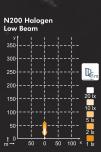
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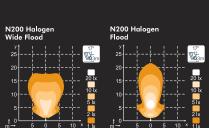
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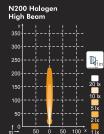
20 lx 10 lx 5 lx 2 lx

1Ь

Light Patterns







Specifications		
Theoretical Lumens Output:	12V	1450lm
	24V	1750lm
Operational Lumens Output:	12V	1100lm
	24V	1400lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	55W
	24V HD Bulb	65W
	24V	70W
Nominal Current at:	80V	0.7A
	48V	1.4A
	36V	2.0A
	24V	2.7A
	12V	4.6A
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
		Fly Leads
		Grommet
		Piqtail Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Vibration:		8.57Grms 18-600Hz
Lens:		Hardened Glass
Body:		Polyamide
Weight:		0.6kg
IP Rating:		IP67 (not Grommet)
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		<u> 16 pce / Box</u>

N200 HALOGEN

Light Patterns

Specifications

	CALCULATION OF COMPANY	
		-
N200 Halogen		
Low Beam	10000	-
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300	State of the local division of the local div	Alter
250	100 C	All and a second too
200	and the second second	
150		
100		
100		0
50 21x		1000
t 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
		00
		N200 Halogen
		High Beam
		350
N200 Halogen Wide Flood	N200 Halogen Flood	300
25	25	250
20	20	200
15	15 201x	150 20 lx
10 ¹⁰		100
5 ^{5 IX} 2 IX	5 5 ^{TX}	50 51x
m→ 5 0 5 10 × 1 lx	m→ 5 0 5 10 × 1 lx	m→ 50 0 50 100 × 1 lx

Specifications		
Theoretical Lumens Output:	12V	1450lm
	24V	1750lm
Operational Lumens Output:	12V	1100lm
	24V	1400lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	55W
	24V HD Bulb	65W
	24V	70W
Nominal Current at:	80V	0.7A
	48V	1.4A
	36V	2.0A
	24V	2.7A
	12V	4.6A
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
		Fly Leads
		Grommet
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Lens:		Hardened Glass
Body:		Polyamide
Weight:		0.6kg
IP Rating:		IP67 (not Grommet)
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		16 pce / Box



N200 HALOGEN D H

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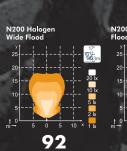
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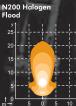
1400lm, Dampening, Handle

Light Patterns

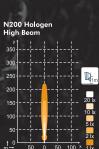
N200 Halogen Low Beam







20 lx 10 lx 5 lx



Specifications		
Theoretical Lumens Output:	12V	1450lm
	24V	1750lm
Operational Lumens Output:	12V	1100lm
	24V	1400lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	55W
	24V HD Bulb	65W
	24V	70W
Nominal Current at:	80V	0.7A
	48V	1.4A
	36V	2.0A
	24V	2.7A
	12V	4.6A
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
		Fly Leads
		Grommet
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Vibration:		8.57Grms 18-600Hz
Lens:		Hardened Glass
Body:		Polyamide
Weight:		0.6kg
IP Rating:		IP67 (not Grommet)
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		16 pce / Box



N200 HALOGEN H 1400lm, Handle

N200 Haloge High Beam

† 0 m→

D;

20 lx 10 lx 5 lx 2 lx

17°

Light Patterns

0 lx 5 lx 2 lx

17°

N200 Halogen Flood

y 25

N200 Haloger Low Beam

300 250

200

150

100 50 m →

N200 Halog Wide Flood

Specifications

Theoretical Lumens Output:	12V	1450lm
	24V	1750lm
Operational Lumens Output:	12V	1100lm
	24V	1400lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	55W
	24V HD Bulb	65W
	24V	70W
Nominal Current at:	80V	0.7A
	48V	1.4A
	36V	2.0A
	24V	2.7A
	12V	4.6A
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
		Fly Leads
		Grommet
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Lens:		Hardened Glass
Body:		Polyamide
Weight:		0.6kg
IP Rating:		IP67 (not Grommet)
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		16 pce / Box

HALOGEN Work Lights



Features





Hardened Glass Combined with Polyamide

Application Side Mounting Option

Built-in AMP

Grommet



Very Good Light Pattern for Work around the

Connectors



Heavy Duty Anti-Vibration

Twin Power



Suitable and Easy Fit for Many Applications



Twin Power Offering a Very Strong Wide Light Pattern



g

Dampening





Rotate Light Unit for Pendant Mount

NORDIC N100 HALOGEN SERIES

The lamp is available in Twin Power and Single from dusk to dawn.



tit

Pigtail Deutsch 2-pin

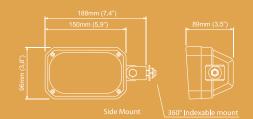
Fly Leads



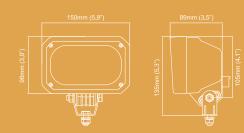
Built-in Deutsch 2-pin

Lenses

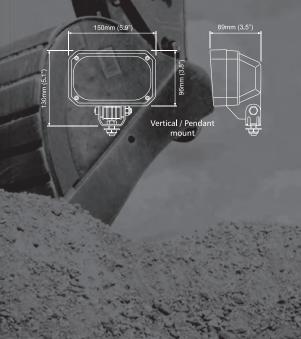
Drawings N100 S



N100 XD



N100 D TP, N100 D, N100 TP, N100





N100 HALOGEN XD

Light Patterns

N100 H Flood

17. 143m

ogen SP

17°

Specifications

opecifications		
Theoretical Lumens Output:	12V	1450im
	24V	1750lm
Operational Lumens Output:	12V	1100lm
	24V	1400lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	55W
	24V HD Bulb	65W
	24V	70W
Nominal Current at:	80V	0.7A
	48V	1.4A
	36V	2.0A
	24V	2.7A
	12V	4.6A
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
		Fly Leads
		Grommet
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Shock:	XD	60Ğ
Vibration:		8.57Grms 18-600Hz
Lens:		Hardened Glass
Body:		Polyamide
Weight:		0.5kg
IP Rating:		IP67 (not Grommet)
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		16 pce / Box



N100 Halog

n SP

N100 HALOGEN D

Light Patterns

N100 Halogen SP Flood

17°

n SP

20 lx 10 lx

Specifications

	Theoretical Lumens Output:	12V	1450lm	
		24V	1750lm	
	Operational Lumens Output:	12V	1100lm	
1		24V	1400lm	
	Colour Temperature:		3200K	
	Nominal / Input Voltage DC:	24V	16-32V	
		36V	28-44V	
		48V	33-68V	
		80V	56-110V	
		12V	8-16V	
	Bulb:		H3	
	Power Consumption:	12V	55W	
		24V HD Bulb	65W	
		24V	70W	
	Nominal Current at:	80V	0.7A	
		48V	1.4A	
×.		36V	2.0A	
		24V	2.7A	
		12V	4.6A	
	Connector:		Built-in AMP	
			Built-in Deutsch 2-pin	
			Fly Leads	
			Grommet	
			Pigtail Deutsch 2-pin	
	Mount:		Single Bolt M10	
100			Single Bolt M8	
100	Vibration:		8.57Grms 18-600Hz	
1y	Lens:		Hardened Glass	
1	Body:		<u>Polyamide</u>	
	Weight:		<u>0.5kg</u>	
-	IP Rating:		IP67 (not Grommet)	
C	Salt Mist:		ISO 9227 240H	
	Operating Temperatures:		<u>-40°C +85°C</u>	
1	Packing:		12 pce / Box	



N100 HALOGEN D TP

2800lm, Twin Power, Dampening

Light Patterns

Specifications

Theoretical Lumens Output:	12V	2900lm
	24V	3500lm
Operational Lumens Output:	12V	2200lm
	24V	2800lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	2 x 55W
· · ·	24V	2 x 70W
Nominal Current at:	80V	1.4A
	48V	2.8A
	36V	4.0A
	24V	5.4A
	12V	9.2A
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
		Fly Leads
		Grommet
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Vibration:		8.57Grms 18-600Hz
Lens:		Hardened Glass
Body:		Polyamide
Weight:		0.5kg
IP Rating:		IP67 (not Grommet)
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		12 pce / Box



N100 Haloge Wide Flood

n TP

N100 HALOGEN

Light Patterns

N100 Ho Flood

20 lx 10 lx 5 lx ogen TP

17°

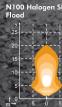
Specifications

	opeenications		
	Theoretical Lumens Output:	12V	1450lm
		24V	1750lm
	Operational Lumens Output:	12V	1100lm
I		24V	1400lm
	Colour Temperature:		3200K
	Nominal / Input Voltage DC:	24V	16-32V
		36V	28-44V
		48V	33-68V
		80V	56-110V
		12V	8-16V
	Bulb:		H3
	Power Consumption:	12V	55W
		24V HD Bulb	65W
		24V	70W
	Nominal Current at:	80V	0.7A
		48V	1.4A
		36V	2.0A
		24V	2.7A
		12V	4.6A
	Connector:		Built-in AMP
			Built-in Deutsch 2-pin
4			Fly Leads
3			Grommet
8			Pigtail Deutsch 2-pin
	Mount:		Single Bolt M10
1			Single Bolt M8
1	Lens:		Hardened Glass
5	Body:		Polyamide
	Weight:		0.5kg
3	IP Rating:		IP67 (not Grommet)
	Salt Mist:		ISO 9227 240H
	Operating Temperatures:		-40°C +85°C
2	Packing:		12 pce / Box





96



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N100 HALOGEN TP 2800lm, Twin Power

Light Patterns

Specifications

opeemeanons		
Theoretical Lumens Output:	12V	2900lm
	24V	3500lm
Operational Lumens Output:	12V	2200lm
	24V	2800lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	2 x 55W
	24V	2 x 70W
Nominal Current at:	80V	1.4A
	48V	2.8A
	36V	4.0A
	24V	5.4A
	12V	9.2A
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
		Fly Leads
		Grommet
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Lens:		Hardened Glass
Body:		Polyamide
Weight:		0.5kg
IP Rating:		IP67 (not Grommet)
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		12 pce / Box



N100 Halogen F TP Flood 17° 17° 3m 20 lx 10 lx 5 lx



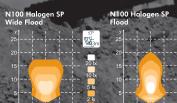
N100 HALOGEN S

Light Patterns

Specifications

Theoretical Lumens Output:	12V	1450lm	
	24V	1750lm	
Operational Lumens Output:	12V	1100lm	
	24V	1400lm	
Colour Temperature:		3200K	
Nominal / Input Voltage DC:	24V	16-32V	
	36V	28-44V	
	48V	33-68V	
	80V	56-110V	
	12V	8-16V	
Bulb:		H3	
Power Consumption:	12V	55W	
	24V	70W	
Nominal Current at:	80V	0.7A	
	48V	1.4A	
	36V	2.0A	
	24V	2.7A	
	12V	4.6A	
Connector:		Built-in AMP	
		Built-in Deutsch 2-pin	
		Fly Leads	
		Grommet	
		Pigtail Deutsch 2-pin	
Mount:		Single Bolt M10	
Bar .		Single Bolt M8	
Lens:		Hardened Glass	
Body:		Polyamide	
Weight:		0.5kg	
IP Rating:		IP67 (not Grommet)	
Salt Mist:		ISO 9227 240H	
Operating Temperatures:		-40°C +85°C	
Packing:		12 pce / Box	

97



17°

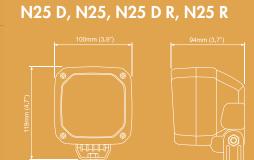
NORDIC N25 HALOGEN SERIES

-611

The Nordic N25 Halogen work lamp features a compact and rugged design suitable for use in a multitude of applications.

Ideal for forklifts, mining, earth moving, agricultural and construction equipment wherever a compact, robust lighting source is required. Also available as ECE approved Reverse light.

Drawings



N25 D I, N25 I

Features

Light Weight

Indicat

Rotate Light Unit for Pendant Mount

Built-in AMP

Grommet

Lenses

Amber

Connectors

Compact

Hardened Glass

Hardened Glass Combined with Polyamide

Built-in Deutsch 2-pin

Pigtail Deutsch 2-pin

Transparent

Housing

PA

Suitable and Easy Fit for Many Applications

Heavy Duty Anti-Vibration

Dampening

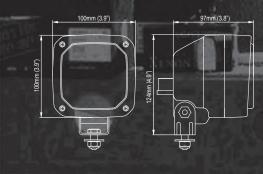
Fly Lead

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



Light Patterns

20 lx 10 lx 5 lx 2 lx

20 ix 20 ix 10 ix 5 ix 2 ix N25 Ho Flood

Specifications

specifications		
Theoretical Lumens Output:	12V	1450lm
	24V	1750lm
Operational Lumens Output:	12V	1100lm
	24V	1400lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	55W
	24V HD Bulb	65W
	24V	70W
Nominal Current at:	80V	0.7A
	48V	1.4A
	36V	2.0A
	24V	2.7A
	12V	4.6A
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
		Fly Leads
		Grommet
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Shock:	D	60Ğ
Vibration:	D	8.57Grms 18-600Hz
Lens:		Hardened Glass
Body:		Polyamide
Weight:		0.4kg
IP Rating:		IP67 (not Grommet)
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		36 pce / Box

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N25 HALOGEN

N25 Haloge High Beam

17 200-201x 150-101x 100-51x 50-21x 50-21x to the test of test 20 lx 10 lx 5 lx 2 lx

– Light	t Patterns	
	- Aller	
N25 Halogen Low Beam 350 250 200 150 100		- J.
N25 Halogen Wide Flood	N25 Halogen Flood 26 20 20 15 15 15	N25 Halogen High Beam 300 200 201x 150 101x 100
5		$\begin{array}{c} 51x \\ 21x \\ 0 \\ x \\ 11x \\ 11x \\ m \end{array} \xrightarrow{50} 50 \\ 0 \\ 50 \\ 0 \\ 50 \\ 0 \\ 50 \\ 0 \\ 50 \\ 0 \\ $

Specifications	1	STAL STAL
Theoretical Lumens Output:	12V	1450im
	24V	1750lm
Operational Lumens Output:	12V	1100lm
	24V	1400lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	55W
	24V HD Bulb	65W
	24V	70W
Nominal Current at:	80V	0.7A
	48V	1.4A
	36V	2.0A
	24V	2.7A
	12V	4.6A
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
		Fly Leads
		Grommet
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Lens:		Hardened Glass
Body:		Polyamide
Weight:		0.4kg
IP Rating:		IP67 (not Grommet)
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		36 pce / Box



N25 HALOGEN D R

450lm, Reverse, Dampening

Light Patterns



Specifications Approvals: Theoretical Lumens Output:

Operational Lumens Output:

Colour Temperature: Nominal / Input Voltage DC:

Approvals: ECE R23 Theoretical Lumens Output: 24V 550 lm 12V 550lm 9 Operational Lumens Output: 24V 450 lm 12V 450 lm 12V Colour Temperature: 3200K 36V Nominal / Input Voltage DC: 24V 16-32V 48V 33-68V 33-68V 80V 56-110V 12V 80V 550W 24V 9 24V 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.0A 24V 2.0A 2.0A 2.0A 24V 2.7A 1.2V 4.6A Connector: Built-in AMP 9 9 12V 4.6A <td< th=""><th>specifications</th><th></th><th>1 1 1 1</th></td<>	specifications		1 1 1 1
Theoretical Lumens Output: 24V 550 lm Operational Lumens Output: 24V 450 lm 12V 450 lm Colour Temperature: 3200K Nominal / Input Voltage DC: 24V 16-32V 36V 28-44V 48V 33-68V 48V 33-68V 80V 56-110V 12V 8-16V 80V 56-110V 12V 8-00V 55W 9000000000000000000000000000000000000	Approvals:		ECE R23
12V 550lm Operational Lumens Output: 24V 450 lm 12V 450 lm 12V Colour Temperature: 3200K 36V Nominal / Input Voltage DC: 24V 16-32V 36V 28-44V 48V 33-68V 80V 56-110V 12V 8-16V 80V 56-110V 12V 8-16V 80V 56-110V 12V 8-16V 80V 56-110V 12V 8-16V 80V 55W 12V 8-16V 90wer Consumption: 12V 55W 12V 24V 70W 12V 36V 2.0A 24V 70W 12V 4.6A 12V 2.0A 24V 2.7A 12V 4.6A 12V 4.6A Connector: Built-in AMP 12V 4.6A 12V 4.6A Connector: Built-in Gettsch 2-pin 111 111 111 111 1111 1111 1111	Theoretical Lumens Output:	24V	550 lm
12V 450lm Colour Temperature: 3200K Nominal / Input Voltage DC: 24V 16-32V 36V 28-44V 48V 33-68V 80V 56-110V 12V 8-16V Bulb: H3 12V 8-16V Bulb: H3 12V 55W 24V 55W 24V HD Bulb 65W 24V 70W 24V 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.4V 36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Fly Leads Grommet Pistail Deutsch 2-pin Single Bolt M10 Single Bolt M10 Single Bolt M8 Shock: D 60G Vibration: D 8.57Grms 18-600Hz Lens: Hardened Glass Body: Polyamide Polyamide Weight: 0.4kg IP Rating:		12V	550lm
12V 450lm Colour Temperature: 3200K Nominal / Input Voltage DC: 24V 16-32V 36V 28-44V 48V 33-68V 80V 56-110V 12V 8-16V Bulb: H3 12V 8-16V Bulb: H3 12V 55W 24V 55W 24V HD Bulb 65W 24V 70W 24V 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.4V 36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Fly Leads Grommet Pistail Deutsch 2-pin Single Bolt M10 Single Bolt M10 Single Bolt M8 Shock: D 60G Vibration: D 8.57Grms 18-600Hz Lens: Hardened Glass Body: Polyamide Polyamide Weight: 0.4kg IP Rating:	Operational Lumens Output:	24V	450 lm
Colour Temperature: 3200K Nominal / Input Voltage DC: 24V 16-32V 36V 28-44V 48V 48V 33-68V 80V 56-110V 12V 8-16V Bulb: H3 Power Consumption: 12V 55W 24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet Fly Leads Grommet Single Bolt M10 Single Bolt M10 Single Bolt M10 Single Bolt M8 506K: D 60G Vibration: D Bolt-in: Hardened Glass Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Solt Mist: ISO		12V	450lm
Nominal / İnput Voltage DC: 24V 16-32V 36V 28-44V 48V 33-68V 80V 56-110V 12V 8-16V Bulb: H3 12V 8-16V Power Consumption: 12V 55W 24V HD Bulb 65W 24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A 14A 36V 2.0A 24V 70W Nominal Current at: 80V 0.7A 14A 36V 2.0A 24V 2.7A 24V 2.7A 12V 4.6A Connector: Built-in Deutsch 2-pin Fly Leads Grommet Fly Leads Grommet 915tail Deutsch 2-pin Single Bolt M10 Single Bolt M10 Single Bolt M10 Single Bolt M8 5600Hz Vibration: D 8.57Grms 18-600Hz Lens: Hardened Glass Boly: Polyamide Weight: 0.4kg Weight: 0.	Colour Temperature:		3200K
36V 28-44V 48V 33-68V 80V 56-110V 12V 8-16V Bulb: H3 Power Consumption: 12V 24V 70W Nominal Current at: 80V 24V 70W Nominal Current at: 80V 36V 2.0A 24V 2.0A 24V 2.0A 24V 2.0A 24V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in Deutsch 2-pin Fly Leads Grommet Pigtail Deutsch 2-pin Fly Leads Grommet Single Bolt M10 Single Bolt M10 Single Bolt M10 Single Bolt M8 Shock: D 6.06G Vibration: D Boly: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Solt Mist: ISO 9227 240H	Nominal / Input Voltage DC:	24V	
48V 33-68V 80V 56-110V 12V 8-16V Bulb: H3 Power Consumption: 12V 24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.0A 24V 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet Fly Leads Grommet Pigtail Deutsch 2-pin Single Bolt M10 Single Bolt M10 Single Bolt M10 Single Bolt M10 Single Bolt M2 Hardened Glass Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Solt Mist: ISO 9227 240H	, , , , , , , , , , , , , , , , ,	36V	28-44V
80V 56-110V 12V &-16V Bulb: H3 Power Consumption: 12V 55W 24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet Pistail Deutsch 2-pin Fly Leads Grommet 9 Single Bolt M10 Single Bolt M8 Shock: D D 6.0G Vibration: D Boly: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Solt Mist: ISO 9227 240H			
12V 8-16V Bulb: H3 Power Consumption: 12V 24V 55W 24V 70W Nominal Current at: 80V 48V 1.4A 36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet Pistail Deutsch 2-pin Single Bolt M10 Single Bolt M10 Single Bolt M8 Shock: D 0 8.57Grms 18-600Hz Lens: Hardened Glass Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Solt Mist: ISO 9227 240H			56-110V
Bulb: H3 Power Consumption: 12V 55W 24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet Pigtail Deutsch 2-pin Single Bolt M10 Single Bolt M10 Single Bolt M8 Shock: D 60G Vibration: D 8.57Grms 18-600Hz Lens: Hardened Glass Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H			8-16V
Power Consumption: 12V 55W 24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.0A 24V 2.0A 24V 2.7A 12V 4.6A 6A 6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet 9 Vonnt: Single Bolt M10 5 Shock: D 60G 60G Vibration: D 8.57Grms 18-600Hz Lens: Hardened Glass Body: Polyamide Polyamide Weight: 0.4kg IP67 (not Grommet) 50 9227 240H	Bulb:		
24V HD Bulb 65W 24V 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet Pigtail Deutsch 2-pin Single Bolt M10 Single Bolt M10 Single Bolt M10 Single Bolt M8 Shock: D D 8.57Grms 18-600Hz Lens: Hardened Glass Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H		12V	
24V 70W Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.0A 24V 2.7A 24V 2.7A 12V 4.6A 200 200 Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet 9 9 9 9 10 Single Bolt M10 Single Bolt M10 Single Bolt M8 Shock: D 60G Vibration: D 8.57Grms 18-600Hz Lens: Hardened Glass Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Salt Mist:			
Nominal Current at: 80V 0.7A 48V 1.4A 36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet Pigtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M10 Single Bolt M8 Shock: D 60G Vibration: D 8.57Grms 18-600Hz Lens: Hardened Glass Boly: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H			
48V 1.4Å 36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet Fly Leads Single Bolt M10 Single Bolt M10 Single Bolt M8 Shock: D 60G Vibration: D Built-in: Hardened Glass Body: Polyamide Weight: 0.4kg IP Rating: ISO 9227 240H	Nominal Current at:		
36V 2.0A 24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Built-in Deutsch 2-pin Fly Leads Grommet Pigtail Deutsch 2-pin Pigtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M10 Single Bolt M8 Shock: D 60G Vibration: D 8.57Grms 18-600Hz Lens: Hardened Glass Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H			
24V 2.7A 12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Built-in Deutsch 2-pin Fly Leads Grommet Pigtail Deutsch 2-pin Pigtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M10 Single Bolt M8 Shock: D 60G Vibration: D 8.57Grms 18-600Hz Lens: Hardened Glass Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H			
12V 4.6A Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Fly Leads Grommet Pigtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M3 Shock: D 60G Vibration: D 8.57Grms 18-600Hz Lens: Hardened Glass Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H			
Connector: Built-in AMP Built-in Deutsch 2-pin Fly Leads Grommet Pigtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M10 Single Bolt M8 Shock: D 60G Vibration: D 8.57Grms 18-600Hz Lens: Hardened Glass Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H			
Built-in Deutsch 2-pin Fly Leads Grommet Pigtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M10 Single Bolt M8 Shock: D D 60G Vibration: D Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H	Connector:		
Fly Leads Grommet Pigtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M10 Single Bolt M8 Shock: D 0 8.57Grms 18-600Hz Lens: Hardened Glass Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H			
Grommet Pigtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M10 Single Bolt M8 Shock: D 60G Vibration: D 8.57Grms 18-600Hz Lens: Hardened Glass Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H			Fly Leads
Pigtail Deutsch 2-pin Mount: Single Bolt M10 Single Bolt M8 Shock: D Ø 60G Vibration: D 8.57Grms 18-600Hz Lens: Hardened Glass Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H			
Mount: Single Bolt M10 Single Bolt M8 Shock: D OB 60G Vibration: D 8.57Grms 18-600Hz Lens: Hardened Glass Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H			
Single Bolt M8 Shock: D 60G Vibration: D 8.57Grms 18-600Hz Lens: Hardened Glass Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H	Mount:		Single Bolt M10
Shock: D 60G Vibration: D 8.57Grms 18-600Hz Lens: Hardened Glass Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H			Single Bolt M8
Vibration: D 8.57Grms 18-600Hz Lens: Hardened Glass Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H	Shock:	D	
Lens: Hardened Glass Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H			
Body: Polyamide Weight: 0.4kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H			
Weight: 0.4kg IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H			
IP Rating: IP67 (not Grommet) Salt Mist: ISO 9227 240H			
Salt Mist: ISO 9227 240H			
	Salt Mist:		ISO 9227 240H
Uperating lemperatures: -40°C +85°C	Operating Temperatures:		-40°C +85°C



17°

20 lx 10 lx 5 lx 2 lx

N25 Halogen Reverse y 25-

1 0

N25 HALOGEN R 450lm, Reverse

Light Patterns



20 lx 0 lx

RAID:		M3
Power Consumption:	12V	55W
	24V HD Bulb	65W
	24V	70W
Nominal Current at:	80V	0.7A
	48V	1.4A
	36V	2.0A
	24V	2.7A
	12V	4.6A
Connector:		Built-in AMP
		Built-in Deutsch 2-pin
		Fly Leads
		Grommet
		Pigtail Deutsch 2-pin
Mount:		Single Bolt M10
		Single Bolt M8
Lens:		Hardened Glass
Body:		Polyamide
Weight:		0.4kg
IP Rating:		IP67 (not Grommet)
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		36 pce / Box

12V 24V 12V 24V

24V 36V 48V 80V

12V

ECE R23 1450lm 1750lm 1100lm 3200K 16-32V 28-44V 33-68V 56-110V 8-16V

† 0 m⇒ 100



N25 HALOGEN D I Indicator, Dampening

Specifications

Approvals:		ECE
Nominal / Input Voltage DC:	24V	16-32
	12V	8-16V
Bulb:	12V	12V P
	24V	24V P
Nominal Current at:	24V	0.9A
	12V	1.8A
Connector:		Built-ii
		Built-iı
		Pigtail
Mount:		Single
		Single
Shock:	D	TBD
Vibration:	D	TBD
Lens:		РС
Body:		Polyan
Weight:		0.4kg
IP Rating:		IP68
		IP6K9
Salt Mist:		ISO 92
Operating Temperatures:		-40°C
Packing:		12 pce

ECE 16-32V 8-16V 12V P21W (BA15s) 24V P21W (BA15s) 0.9A 1.8A Built-in AMP Built-in Deutsch 2-pin Pigtail Deutsch 2-pin Pigtail Deutsch 2-pin Single Bolt M10 Single Bolt M10 Single Bolt M8 TBD PC Polyamide 0.4kg IP68 IP68 IP68 IP68 ISO 9227 240H -40°C ... +85°C 12 pcc / Box



N25 HALOGEN I

Specifications

		Paralleline.	10 52
Approvals:		ECE	
Nominal / Input Voltage DC:	24V	16-32V	
	12V	8-16V	
Bulb:	12V	12V P21W (BA15s)	
	24V	24V P21W (BA15s)	
Nominal Current at:	24V	0.9A	
	12V	1.8A	
Connector:		Built-in AMP	
		Built-in Deutsch 2-pin	
		Pigtail Deutsch 2-pin	
Mount:		Single Bolt M10	
		Single Bolt M8	
Vibration:		5G 9-500Hz	
Lens:		PC	
Body:		Polyamide	
Weight:		0.4kg	
IP Rating:		IP68	
		IP6K9K	
Salt Mist:		ISO 9227 240H	
Operating Temperatures:		-40°C +85°C	
Packing:		12 pce / Box	

HALOGEN Work Lights



NORDIC KL13XX LED FLUSHMOUNT SERIES

The Nordic KL13XX LED F work light is a compact Flushmount LED work lamp with the cooling lamellas placed inside the application body.

The KL13XX LED F matches the basic introduction level needs for heavy duty lighting and is a suitable light when replacing halogen Flushmount work lights.



Features

low

Maintenance

Reverse Voltage

Protected

Waterproof

EMC

C EMO

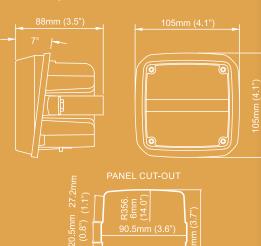
Long Lifetime

Heavy Duty

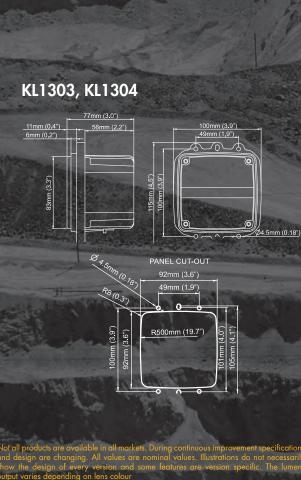
Construction

co

Drawings KL1301, KL1302



88mm (3.5")





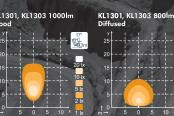
KL1301 LED F7°

Light Patterns

Specifications

operinternons	Sell - "	
Theoretical Lumens Output:		1600lm
Operational Lumens Output:		1000lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		24W
Nominal Current at:	24V	1.0A
	12V	2.0A
Electronics:		Integrated / Isolated
Connector:		Fly Leads
		Pigtail AMP
		Piatail Deutsch 2-pin
		Pigtail PGJ19-5
Mount:		Integrated
Shock:		60G
Vibration:		8Grms 24-2000Hz
Lens:		PC
Body:		Aluminium
Weight:		0.45kg
IP Rating:		IP68
		IP6К9К
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 5
		EN12895
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box
8		

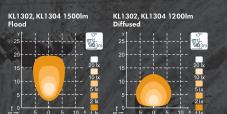




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11	12		
	No.		
15	44	5	

KL1302 LED F7° 1500lm, Dimmable, Flushmount F7°

Light Patterns



Specifications

Specifications	1200	
Theoretical Lumens Output:		2400lm
Operational Lumens Output:		1500lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		24W
Nominal Current at:	24V	1.0A
	12V	2.0A
Electronics:		Integrated / Isolated
Connector:		Fly Leads
		Pigtail AMP
		Pigtail Deutsch 2-pin
		Pigtail PGJ19-5
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:		CISPR 25 Class 5
		EN12895
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box

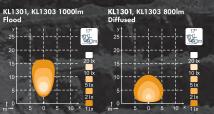


KL1303 LED FO° 1000lm, Dimmable, Flushmount F0°

Light Patterns

Specification

specifications		
Theoretical Lumens Output:		1600lm
Operational Lumens Output:		1000lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		24W
Nominal Current at:	24V	1.0A
	12V	2.0A
Electronics:		Integrated / Isolated
Connector:		Fly Leads
		Pigtail AMP
		Piatail Deutsch 2-pin
		Pigtail PGJ19-5
Mount:		Integrated
Shock:		60G
Vibration:		8Grms 24-2000Hz
Lens:		PC
Body:		Aluminium
Weight:		0.45kg
IP Rating:		IP68
		IP6К9К
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 5
		EN12895
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box



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KL1304 LED FO°

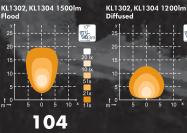
1500lm, Dimmable, Flushmount F0°

Light Patterns

Specifications

opecifications	The Bellin Boy	The Providence of the second second
Theoretical Lumens Output:		2400lm
Operational Lumens Output:		1500lm
Colour Temperature:		5700K
Nominal / Input Voltage DC:	12-24V	9-32V
Power Consumption:		24W
Nominal Current at:	24V	1.0A
	12V	2.0A
Electronics:		Integrated / Isolated
Connector:		Fly Leads
		Pigtail AMP
		Pigtail Deutsch 2-pin
		Pigtail PGJ19-5
Mount:		Integrated
Shock:		60G
Vibration:		8Grms 24-2000Hz
Lens:		РС
Body:		Aluminium
Weight:		0.45kg
IP Rating:		IP68
		IP6K9K
		SAE J1455
Salt Mist:		ISO 9227 240H
EMC:		CISPR 25 Class 5
		EN12895
		ISO 13766
		ISO 14982
		ISO 7637-2
Operating Temperatures:		-40°C +85°C (Overheat protected)
Packing:		12 pce / Box

KL1302, KL1304 1500lm Flood







1.2



Features



Twin Power

Non-dazzling

AMP Terminal

Lenses

Transparent

Connectors

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Heavy Duty Glass Fibre Reinforced Housing

Suitable and Easy Fit for Many Applications



Integrated Into Application

Light Weight

g



Very Good Light Pattern for Work around the Application

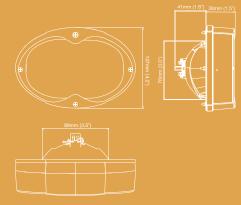
h

NORDIC N300 HALOGEN

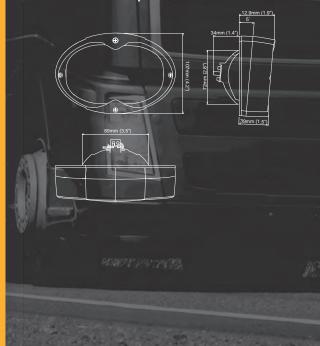
The Nordic N300 Halogen Flushmount is



N300 F0° TP, N300 F0°



N300 F5° TP, N300 F5°



s are version specific. The lume



N300 HALOGEN F0° 1400lm, Flushmount F0°

Light Patterns

Specifications

Theoretical Lumens Output:	12V	1450lm
	24V	1750lm
Operational Lumens Output:	12V	1100lm
	24V	1400lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	55W
	24V HD Bulb	65W
	24V	70W
Nominal Current at:	80V	0.7A
	48V	1.4A
	36V	2.0A
	24V	2.7A
	12V	4.6A
Connector:		AMP Terminal
Mount:		Integrated
Lens:		Hardened Glass
Body:		Glass Fibre Reinforced Polyamide
Weight:		0.7kg
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		24 pce / Box

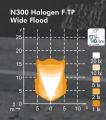
N300 Halogen F SI Wide Flood

17°

N300 HALOGEN FO° TP 2800lm, Twin Power, Flushmount F0°

	Specifications		
	Theoretical Lumens Output:	12V	2900lm
		24V	3500lm
	Operational Lumens Output:	12V	2200lm
		24V	2800lm
	Colour Temperature:		3200K
	Nominal / Input Voltage DC:	24V	16-32V
		36V	28-44V
		48V	33-68V
		80V	56-110V
		12V	8-16V
	Bulb:		H3
	Power Consumption:	12V	2 x 55W
		24V	2 x 70W
and the second second	Nominal Current at:	80V	1.4A
		48V	2.8A
		36V	4.0A
1 the she is		24V	5.4A
A BL CALLER AND		12V	9.2A
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Connector:		AMP Terming
	Mount:		Integrated
	Lens:		Hardened Glass
Salar marshess	Body:		Glass Fibre Reinforced Polyamide
	Weight:		0.7kg
	Salt Mist:		ISO 9227 240H
M. T. M. S. S. S. S. S. S.	Operating Temperatures:		-40°C +85°C
	Packing:		24 pce / Box
1. COV			





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N300 HALOGEN F5° 1400lm, Flushmount F5°

Light Patterns

Specifications

Specifications

specifications		
Theoretical Lumens Output:	12V	1450lm
	24V	1750lm
Operational Lumens Output:	12V	1100lm
	24V	1400lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	55W
	24V HD Bulb	65W
	24V	70W
Nominal Current at:	80V	0.7A
	48V	1.4A
	36V	2.0A
	24V	2.7A
	12V	4.6A
Connector:		AMP Terminal
Mount:		Integrated
Lens:		Hardened Glass
Body:		Glass Fibre Reinforced Polyamide
Weight:		0.7kg
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		24 pce / Box

N300 Halog Wide Flood 17° 20 |>



N300 HALOGEN F5° TP

Light Patterns



† 0 m.⇒

Theoretical Lumens Output:	12V	2900lm
	24V	3500lm
Operational Lumens Output:	12V	2200lm
	24V	2800lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	2 x 55W
	24V	2 x 70W
Nominal Current at:	80V	1.4A
	48V	2.8A
	36V	4.0A
	24V	5.4A
	12V	9.2A
Connector:		AMP Terminal
Mount:		Integrated
Lens:		Hardened Glass
Body:		Glass Fibre Reinforced Polyamide
Weight:		0.7kg
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		24 pce / Box

FLUSHMOUNT WORK LIGHTS 109



Features



Interchangeable Light Unit







g



Light Weight



F

Twin Power Integrated Into Application

Hardened Glass

Connectors

AMP Terminal

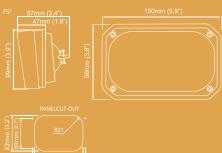
Lenses Transparent

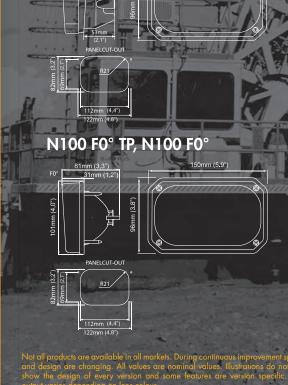
NORDIC N100 HALOGEN

Drawings



N100 F5° TP, N100 F5°





N100 FB5° TP, N100 FB5°

1400lm, Flushmount F0°

N100 HALOGEN FO°

Light Patterns

Specifications

Specifications	101/	
Theoretical Lumens Output:	<u>12V</u>	1450lm
	24V	1750lm
Operational Lumens Output:	<u>12V</u>	1100lm
	24V	1400lm
Colour Temperature:		3200K
<u>Nominal / İnput Voltage DC:</u>	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	55W
	24V HD Bulb	65W
	24V	70W
Nominal Current at:	80V	0.7A
	48V	1.4A
	36V	2.0A
	24V	2.7A
	12V	4.6A
Connector:		AMP Terminal
Mount:		Integrated
Lens:		Hardened Glass
Body:		Polyamide
Weight:		0.5kg
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		12 pce / Box



17° 25· 20· 15· 20 lx 10 lx 5 lx 2 lx

N100 Halogen F SP Flood

17°

0 |x 0 |x 5 |x



Light Patterns

BUCYRUS

N100 HALOGEN FO° TP

2800lm, Twin Power, Flushmount F0°

Specifications

specifications	al alles	12 12 100	
Theoretical Lumens Output:	12V	2900lm	
	24V	3500lm	
Operational Lumens Output:	12V	2200lm	
	24V	2800lm	
Colour Temperature:		3200K	
Nominal / Input Voltage DC:	24V	16-32V	
	36V	28-44V	
	48V	33-68V	
	80V	56-110V	
	12V	8-16V	
Bulb:		H3	
Power Consumption:	12V	2 x 55W	
	24V	2 x 70W	
Nominal Current at:	80V	1.4A	
	48V	2.8A	
	36V	4.0A	
	24V	5.4A	
	12V	9.2A	
Connector:		AMP Terminal	
Mount:		Integrated	
Lens:		Hardened Glass	
Body:		Polyamide	
Weight:		0.5kg	
Salt Mist:		ISO 9227 240H	
Operating Temperatures:		-40°C +85°C	
Packing:		12 pce / Box	

111

N100 Halogen F TP	
Vide Flood	1.00



N100 Halogen F TP Flood

17°

0 |× 5 |x 2 |x



N100 HALOGEN F5°

Light Patterns

Specifications

12V	1450lm
24V	1750lm
12V	1100lm
24V	1400lm
	3200K
24V	16-32V
36V	28-44V
48V	33-68V
80V	56-110V
	8-16V
	H3
12V	55W
	65W
	70W
80V	0.7A
	1.4A
	2.0A
	2.7A
	4.6A
	AMP Terminal
	Integrated
	Hardened Glass
	Polyamide
	0.5kg
	ISO 9227 240H
	-40°C +85°C
	12 pce / Box
	24V 12V 24V 24V 36V



N100 Halog Wide Flood

n F SF

17°

20 |x 10 |x 5 |x 2 |x

N100 HALOGEN F5° TP

2800lm, Twin Power, Flushmount F5°

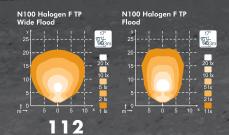
Light Patterns

N100 Ha Flood oaen F SF

17°

Specifications

	the second second			
Theoretical Lumens Output:	12V	2900lm		
	24V	3500lm		
Operational Lumens Output:	12V	2200lm		
	24V	2800lm		
Colour Temperature:		3200K		
Nominal / Input Voltage DC:	24V	16-32V		
	36V	28-44V		
	48V	33-68V		
	80V	56-110V		
	12V	8-16V		
Bulb:		H3		
Power Consumption:	12V	2 x 55W		
	24V	2 x 70W		
Nominal Current at:	80V	1.4A		
	48V	2.8A		
	36V	4.0A		
	24V	5.4A		
	12V	9.2A		
Connector:		AMP Terminal		
Mount:		Integrated		
Lens:		Hardened Glas	SS	
Body:		Polyamide		
Weight:		0.5kg		
Salt Mist:		ISO 9227 240)H	
Operating Temperatures:		-40°C +85°		
Packing:		12 pce / Box		
		and the second second second second second second second second second second second second second second second		





N100 HALOGEN FB5°

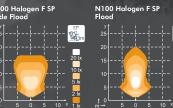
1400lm, Housing, Flushmount FB5°

Light Patterns

Specifications

opecifications		
Theoretical Lumens Output:	12V	1450lm
	24V	1750lm
Operational Lumens Output:	12V	1100lm
	24V	1400lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	<u>33-68V</u>
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	55W
	24V HD Bulb	65W
	24V	70W
Nominal Current at:	80V	0.7A
	48V	1.4A
	<u>36V</u>	2.0A
	24V	2.7A
	12V	4.6A
Connector:		AMP Terminal
Mount:		Integrated
Lens:		Hardened Glass
Body:		Polyamide
Weight:		<u>0.5kg</u>
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		12 pce / Box





C			
0	16		
	-	2	/

Light Patterns

BUCYRUS

N100 HALOGEN FB5° TP

2800lm, Twin Power, Housing, Flushmount FB5°

17°

0 |× 0 |× 5 |x 2 |x

Specifications

		MALL N		
	Theoretical Lumens Output:	12V	2900lm	
		24V	3500lm	
	Operational Lumens Output:	12V	2200lm	
		24V	2800lm	
	Colour Temperature:		3200K	
	Nominal / Input Voltage DC:	24V	16-32V	
2		36V	28-44V	
2		48V	33-68V	
		80V	56-110V	
8		12V	8-16V	
	Bulb:		H3	
	Power Consumption:	12V	2 x 55W	
	•	24V	2 x 70W	
	Nominal Current at:	80V	1.4A	
		48V	2.8A	
		36V	4.0A	
		24V	5.4A	
2		12V	9.2A	
Ċ	Connector:		AMP Terminal	
	Mount:		Integrated	
	Lens:		Hardened Glass	
3	Body:		Polyamide	
ŝ	Weight:		0.5kg	
	Salt Mist:		ISO 9227 240H	
	Operating Temperatures:		<u>-40°C +85°C</u>	
- 5	Packing:		<u>12 pce / Box</u>	

		Halog	jen F Ti	P	-
1.0	Flood				



N100 Halogen F T



N100 HALOGEN F27°

Light Patterns

Specifications

Theoretical Lumens Output:	12V	1450lm
	24V	1750lm
Operational Lumens Output:	12V	1100lm
	24V	1400lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	55W
	24V HD Bulb	65W
	24V	70W
Nominal Current at:	80V	0.7A
	48V	1.4A
	36V	2.0A
	24V	2.7A
	12V	4.6A
Connector:		AMP Terminal
Mount:		Integrated
Lens:		Hardened Glass
Body:		Polyamide
Weight:		0.5kg
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		12 pce / Box



N100 Hal Flood

logen F SP



N100 Halog Wide Flood

n F SP

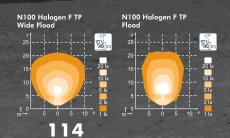
N100 HALOGEN F27° TP

2800lm, Twin Power, Flushmount F27°

Specifications

		the second second	
	Theoretical Lumens Output:	12V	2900lm
		24V	3500lm
	Operational Lumens Output:	12V	2200lm
		24V	2800lm
	Colour Temperature:		3200K
	Nominal / Input Voltage DC:	24V	16-32V
		36V	28-44V
		48V	33-68V
		80V	56-110V
		12V	8-16V
	Bulb:		H3
	Power Consumption:	12V	2 x 55W
		24V	2 x 70W
	Nominal Current at:	80V	1.4A
		48V	2.8A
		36V	4.0A
		24V	5.4A
ł		12V	9.2A
	Connector:		AMP Terminal
	Mount:		Integrated
	Lens:		Hardened Glass
	Body:		Polyamide
	Weight:		0.5kg
	Salt Mist:		ISO 9227 240H
	Operating Temperatures:		-40°C +85°C
	Packing:		12 pce / Box
-	- withing.		









Features









Connectors











Compact

Interchangeable Light Unit



Light Weight

Suitable and Easy Fit for Many Applications

g

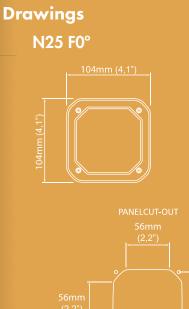
1

Pigtail Deutsch 2-pin

Lenses Transparent

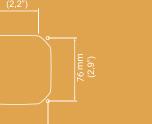
AMP Terminal

NORDIC N25 HALOGEN

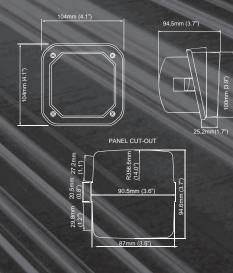








N25 FB12° SNAP-IN



ing continuous imp nal values. Illustrati ign are changing. All v e design of every versi



Light Patterns

20 |x 10 |x 5 |x 2 |x

17°

20 |x 10 |x 5 |x 2 |x N25 Halogen F Flood

y 25

N25 Halogen F Low Beam

N25 Halogen F Wide Flood

25

5+-

200

150

Specifications

	Theoretical Lumens Output:	12V	1450lm
		24V	1750lm
	Operational Lumens Output:	12V	1100im
		24V	1400im
	Colour Temperature:		3200K
	Nominal / Input Voltage DC:	24V	16-32V
		36V	28-44V
		48V	33-68V
		80V	56-110V
		12V	8-16V
	Bulb:		H3
	Power Consumption:	12V	55W
		24V HD Bulb	65W
		24V	70W
	Nominal Current at:	80V	0.7A
		48V	1.4A
		36V	2.0A
		24V	2.7A
		12V	4.6A
	Connector:		AMP Terminal
			Pigtail Deutsch 2-pin
	Mount:		Integrated
	Lens:		Hardened Glass
	Body:		Glass Fibre Reinforced Polyamide
	Weight:		0.7kg
	Salt Mist:		ISO 9227 240H
	Operating Temperatures:		-40°C +85°C
	Packing:		45 pce / Box
D _{1m}			
20 ix			
10 Ix			
5 lx			
2 Ix			



Light Patterns

2 lx 1 lx $m \rightarrow -$

N25 HALOGEN FB12° SNAP-IN

20 lx 10 lx 5 lx 2 lx

1400lm, Housing, Snap-In, Flushmount FB12°

N25 Halogen F High Beam

300

17° 17° 250

201x 150 101x 100 51x 50 21x 50

Specification

N25 Halogen F Low Beam		
350		
300		
250 IIII IIII IIII		
200		
150 20 lx		
		-
50 2 lk		
1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
		N25 Halogen F High Beam
N25 Halogen F	N25 Halogen F	350
Wide Flood	Flood	300
25	25 17 25	250
20	20 201x	200
		150
	10 51x	100

21x 11x m→

Specifications		
Theoretical Lumens Output:	12V	1450lm
	24V	1750lm
Operational Lumens Output:	12V	1100lm
	24V	1400lm
Colour Temperature:		3200K
Nominal / Input Voltage DC:	24V	16-32V
	36V	28-44V
	48V	33-68V
	80V	56-110V
	12V	8-16V
Bulb:		H3
Power Consumption:	12V	55W
	24V HD Bulb	65W
	24V	70W
Nominal Current at:	80V	0.7A
	48V	1.4A
	36V	2.0A
	24V	2.7A
	12V	4.6A
Connector:		AMP Terminal
		Pigtail Deutsch 2-pin
Mount:		Integrated
Lens:		Hardened Glass
Body:		Glass Fibre Reinforced Polyamide
Weight:		0.7kg
Salt Mist:		ISO 9227 240H
Operating Temperatures:		-40°C +85°C
Packing:		36 pce / Box

SPARE PARTS

NORDIC LIGHTS® offers a range of spare parts for their lights. Even with the best HID (Xenon) or Halogen light the bulb finally wears down and needs to be replaced. Here you will find bulbs, harnesses and light units. NORDIC LIGHTS® only uses quality bulbs from one of the biggest producers in the world.

Р	Products		
	Part Nr Harness	Model	Pcs/Box
Q	906-248	Harness Deutsch/Stripped 1m	6
	LED Brackets		
1 m	906-265B	CENTAURUS LED N460 Bracket Assembly	1
	906-273B	SCORPIUS LED N44XX Damp Bracket Assembly	1
3	906-274B	SCORPIUS LED N44XX Undamp Bracket Assembly	1
<u>.</u>	906-372B	SCORPIUS LED N44XX Raked Undamp Bracket Assembly	1
	Brackets		
r	906-278	Bracket Omega 10mm Black	12
5	906-282	Bracket Omega 8mm Black	12
Щ.	906-288	Bracket Assembly 30/8D + M8x25	12
	Connector Pa	rts	
癜	906-246	AMP 2-Pin Receptacles Housing 180923	10
	906-247	Gasket AMP Protection	10
A	906-194	Deutsch Connector Assembly DT06-25 NORDIC	10
	HID Bulbs		
4	906-934	Bulb HID 35W D1S	10
-	906-935	Bulb HID 35W D2S	10
	Halogen Bulb	s	
Ż	906-250B	Bulb H3 80V 55W PK22s	48
Â.	906-249B	Bulb H3 48V 50W PK22s LL	48
Å	906-255B	Bulb H3 24V 65W PK22s	48

Products

	Part Nr Halogen Bulbs	Model	Pcs/Box
1	906-256B	Bulb H3 24V 70W PK22s	48
3	906-254B	Bulb H3 12V 55W PK22s	48
-	906-287B	Bulb H3 12V 55W PK22s LL	48
	LED Lenses		
٩	906-260B	CENTAURUS LED N460 Lens Assembly Wide Flood	1
	906-261B	CENTAURUS LED N460 Lens Assembly Flood	1
	906-161B	CENTAURUS LED N460 Lens Assembly Low Beam	1
	906-263B	CENTAURUS LED N460 Lens Assembly High Beam	1
1	906-268B	SCORPIUS LED N44XX Lens Assembly Wide Flood	1
1	906-269B	SCORPIUS LED N44XX Lens Assembly Flood	1
1	906-270B	SCORPIUS LED N44XX Lens Assembly Low Beam	1
1	906-271B	SCORPIUS LED N44XX Lens Assembly High Beam	1
	906-305B	SPICA LED N24XX Lens Assembly Wide Flood	1
	906-306B	SPICA LED N24XX Lens Assembly Flood	1
	906-307B	SPICA LED N24XX Lens Assembly High Beam	1
0	906-364B	VIRGO LED N31XX Lens Assembly Wide Flood	1
0	906-365B	VIRGO LED N31XX Lens Assembly Flood	1
9	906-366B	VIRGO LED N31XX Lens Assembly High Beam	1
0	906-367B	VIRGO LED N31XX Lens Assembly Low Beam	1
0	906-368B	ANTARES LED N33XX Lens Assembly Wide Flood	1
0	906-369B	ANTARES LED N33XX Lens Assembly Flood	1
0	906-370B	ANTARES LED N33XX Lens Assembly High Beam	1
0	906-371B	ANTARES LED N33XX Lens Assembly Low Beam	1

Products

	Part Nr LED Lenses	Model	Pcs/Box
1	906-982	CANIS LED N2001 Lens Assembly Wide Flood	1
Ľ	906-985	CANIS LED N2001 Lens Assembly Flood	1
Ľ	906-986	CANIS LED N2001 Lens Assembly Super Wide	1
L	906-987	CANIS LED N2001 Lens Assembly High Beam	1
	906-308B	CAPELLA LED N10 Lens Assembly Wide Flood	1
	906-309B	CAPELLA LED N10 Lens Assembly Flood	1
	HID (Xenon)	Light Units	
0	906-909B	N200HID/N400HID Light Unit Amber	12
0	906-950B	N200HID/N400HID Light Unit Low Beam Yellow NORDIC	12
	906-902B	N200HID/N400HID Light Unit High Beam	12
	906-901B	N200HID/N400HID Light Unit Low Beam	12
0	906-928B	N400HID Light Unit Flood NORDIC	12
0-	906-927B	N400HID Light Unit Wide Flood NORDIC	12
0-	906-925B	N200HID Light Unit Wide Flood NORDIC	12
0=	906-926B	N200HID Light Unit Flood NORDIC	12
¢	906-922B	N45HID Light Unit Wide Flood NORDIC	12
¢	906-921B	N45HID Light Unit Flood NORDIC	12
¢	906-949B	N45HID Light Unit High Beam NORDIC	12
¢	906-971B	N45HID Light Unit Low Beam NORDIC	12
0	906-968B	N45HID Bezel Assembly	12
	Halogen Ligh	t Units	
6	906-180B	N300SP Light Unit	12
0	906-174B	N300TP Light Unit	24
6	906-289B	N300 Light Unit Reverse ECE NORDIC	12

Products

	Part Nr Halogen Ligł	Model 11 Units	Pcs/Box
0	906-021B	N200 Light Unit High Beam	12
0	906-079	N200 Light Unit Low Beam	12
0	906-229B	N200 Light Unit Wide Flood NORDIC	12
0	906-230B	N200 Light Unit Flood NORDIC	12
0	906-257B	N200 Light Unit Low Beam Yellow NORDIC	12
0	906-043	N200 Light Unit Flood Amber	12
	906-056	N200 Light Unit Flood Red	12
0	906-231B	N100 Light Unit Wide Flood NORDIC	12
0	906-232B	N100 Light Unit Flood NORDIC	12
0	906-251B	N100TP Light Unit Wide Flood NORDIC	12
0	906-252B	N100TP Light Unit Flood NORDIC	12
0	906-233B	N25 Light Unit Wide Flood NORDIC	24
0	906-234B	N25 Light Unit Flood NORDIC	12
0	906-212B	N25 Light Unit Reverse ECE NORDIC	12
0	906-210B	N25 Light Unit High Beam NORDIC	12
	HID (Xenon)	Ballast	
10	906-956	HID Ballast D1 12V 35W Gen5	12
T	906-957	HID Ballast D1 24V 35W Gen5	12
	Magnet Brad	ket	
H	906-988	Bracket Magnet Assembly	6

Notes

Warranty

For full details of warranty terms please refer to Herrmans Oy Ab NORDIC LIGHTS® General Terms and Conditions of Sale and Delivery 2016.



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