



Xenon – HID

High Intensity Discharge also known as Gas Discharge offers many technological advantages over conventional halogen lights, such as – higher colour temperature, reduced heat, and considerably longer life.

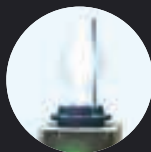
With halogen bulbs up to 70% of the power input is wasted in heat. With the unique no filament gas discharge lamp less power is required and less heat is generated.



One 35W GDL produces as much luminous flux as two standard 100W halogen bulbs, meaning twice the illumination of a 100W halogen for only 1/3 of the power consumption.

This is because the light is produced by an arc in a small gas filled quartz tube, as opposed to passing an electric current through a filament to make it glow. Due to the fact there is no filament to break, the average life of a gas discharge lamp is 5000 hours (*depending upon switching cycle), about 10 times that of a standard halogen bulb.

HID technology also produces a light very similar to daylight in it's colour rendering, making it easier to see and more comfortable on your eyes, reducing strain & increasing safety.



Xenon



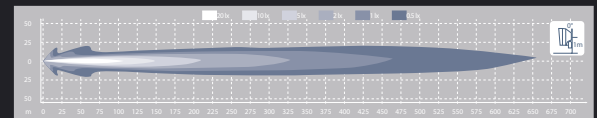
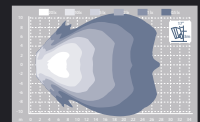
Halogen

Free-Form Optics

Nordic Lights through their expertise in lens and reflector technology offer a range of light patterns to satisfy the varied and specialist lighting requirements of the mining, heavy duty and commercial industries.

Utilising the latest in free-form optics technology Nordic Lights has created a range of HID and Halogen flood and wide flood patterns of greater depth, width and evenness than ever before.

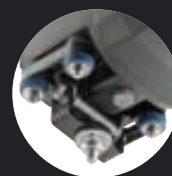
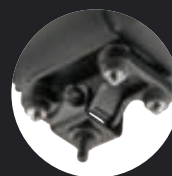
Whatever your lighting requirement, there is a Nordic Lights worklamp to suit your application.



Heavy Duty Mounts

All Nordic HID worklamps are supplied with vibration dampening mounts as standard.

These heavy duty mounting systems absorb vibration & shocks preventing damage to the worklamp and prolonging bulb life.





Nordic Heavy Duty HID

N200 HID	50
N400 HID	52
N45 HID	54

Nordic Heavy Duty HID

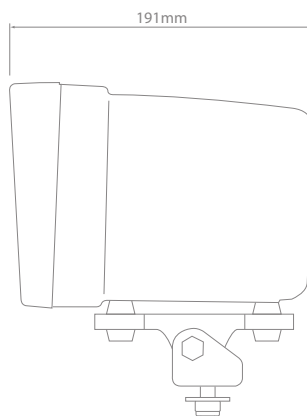
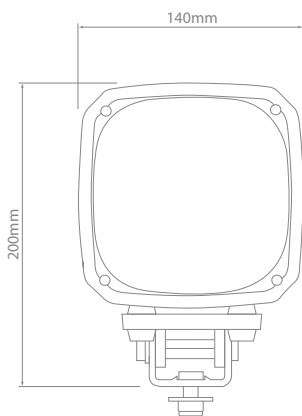
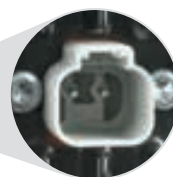
N200 HID



- Heavy duty Xenon discharge bulb.
- Low current draw.
- Over voltage, over temperature, spike & polarity protected.
- Heavy duty anti-vibration mounting system.
- Extreme shock resistance.
- Free-Form optics for superior light dispersion.
- Close to daylight colour temperature for reduced eye strain & increased safety.
- Replaceable lens.
- Rotate lens for pendant or side mount.
- Environmentally sealed cast alloy body.
- Hermetically sealed ballast.
- Deutsch DT connector encapsulated in body.

Voltage :	24V
Start Up :	2.9A
Input Current :	1.7A
Ballast :	35W Integrated – Epoxy Encapsulated
Connector :	Deutsch DT Series 2 Pin
Mount :	Single Bolt M10
Shock :	60G
Vibration :	20G rms 24 – 2000Hz
Lens :	Hardened Glass
Body :	Aluminium
Weight :	2.4kg
Ingress Protection :	IP68
Salt Mist :	ISO 9227
EMC :	ISO 13766
Operating Temperature :	-40°C to 85°C
Colour Temperature :	4250K
Tube :	35W D2S

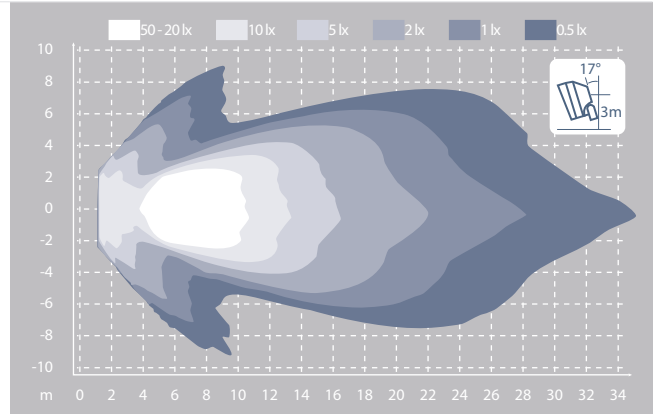
IP68



Nordic Heavy Duty HID

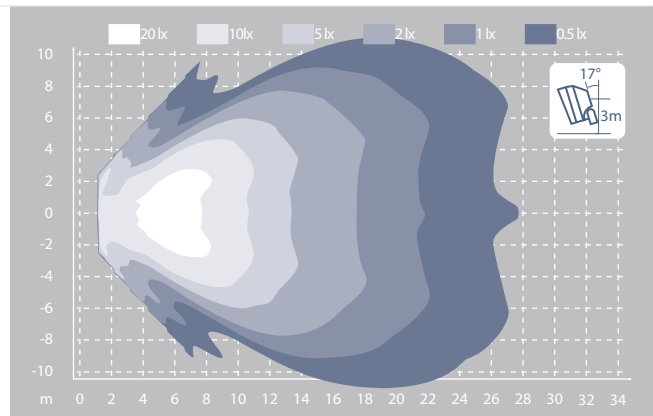
N200 HID – Flood

Part No. Voltage
991-204 **24**



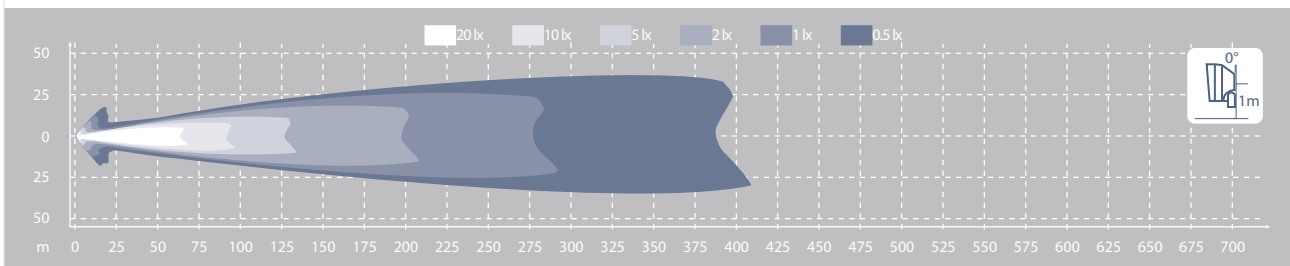
N200 HID – Wide Flood

Part No. Voltage
991-203 **24**



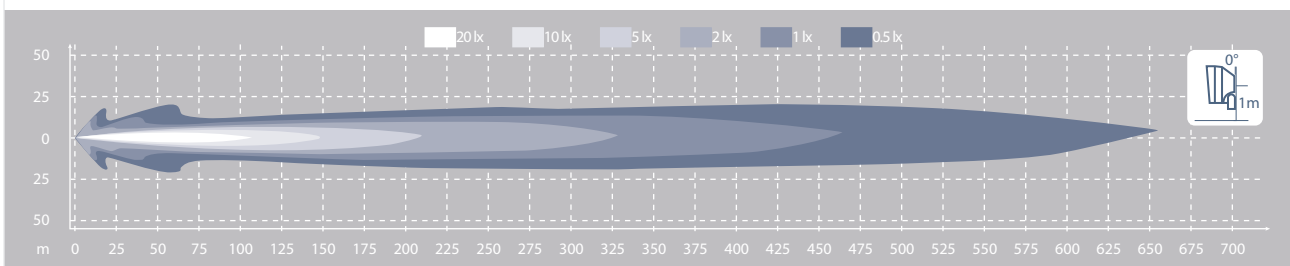
N200 HID – Low Beam

Part No. Voltage
991-201 **24**



N200 HID – High Beam (Spot)

Part No. Voltage
991-202 **24**



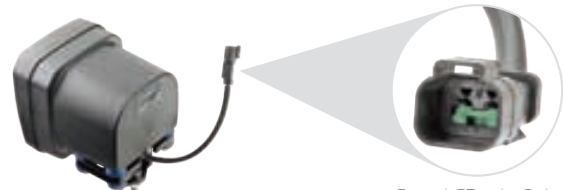
Nordic Heavy Duty HID

N4000 HID

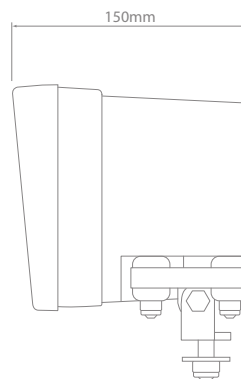
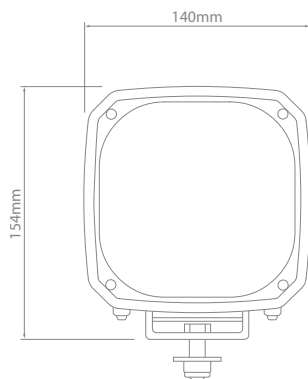


- Heavy duty Xenon discharge bulb.
- Low current draw.
- Over voltage, over temperature, spike & polarity protected.
- Heavy duty anti-vibration mounting system.
- Free-Form optics for superior light dispersion.
- Close to daylight colour temperature for reduced eye strain & increased safety.
- Replaceable lens.
- Rotate lens for pendant or side mount.
- Environmentally sealed body.
- Gore filter technology to prevent ingress.
- Ballast encapsulated in body.
- Deutsch DT connector on fly lead.

Voltage :	12V	24V
Start Up :	6A	2.9A
Input Current :	3A	1.5A
Ballast :	35W Integrated	
Connector :	Deutsch DT Series 2 Pin	
Mount :	Single Bolt M10	
Shock :	50G	
Vibration :	15.3G rms 24 – 2000Hz	
Lens :	Hardened Glass	
Body :	Glass Fibre Reinforced Polyamide	
Weight :	1.3kg	
Ingress Protection :	IP68, IP6K9K	
Salt Mist :	ISO 9227	
EMC :	ISO 13766	
Operating Temperature :	-40°C to 85°C	
Colour Temperature :	4250K	
Tube :	35W D1S	



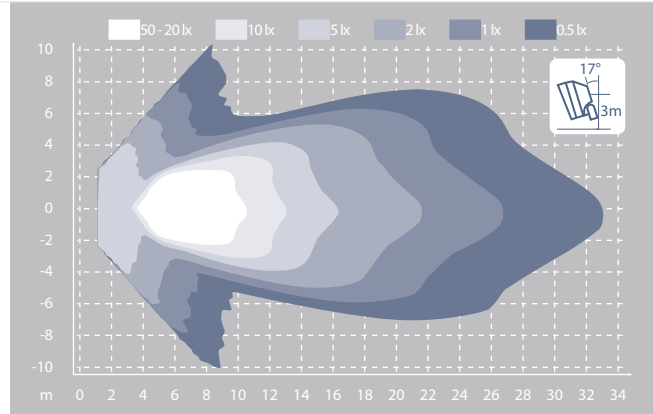
Deutsch DT series 2 pin connector on fly lead



Nordic Heavy Duty HID

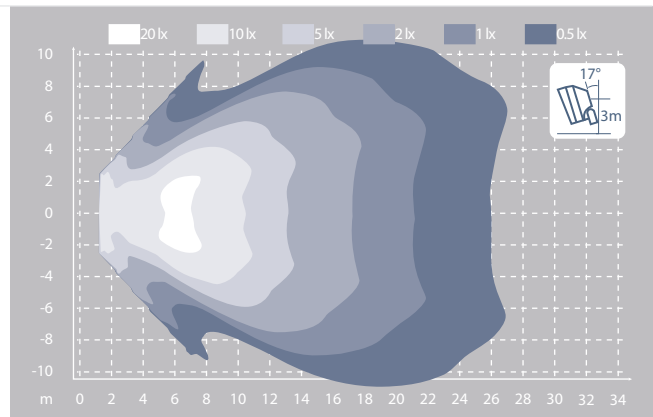
N400 HID – Flood

Part No.	Voltage	Lens Colour
994-004	12	Clear
994-204	24	Clear
994-208	24	Amber
994-249	24	Red



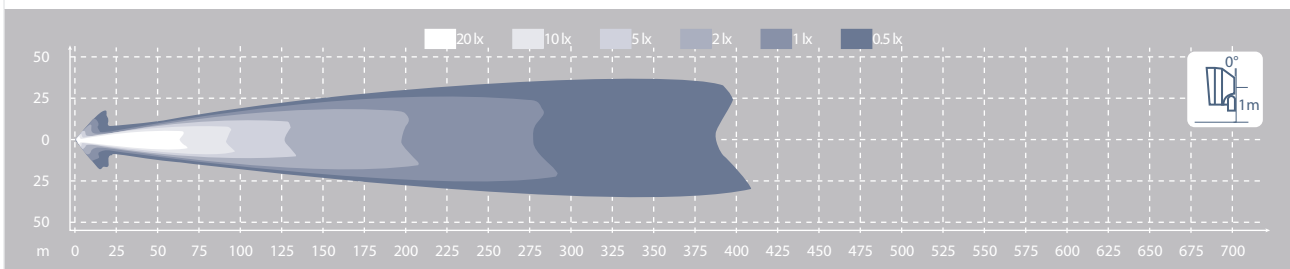
N400 HID – Wide Flood

Part No.	Voltage
994-003	12
994-203	24



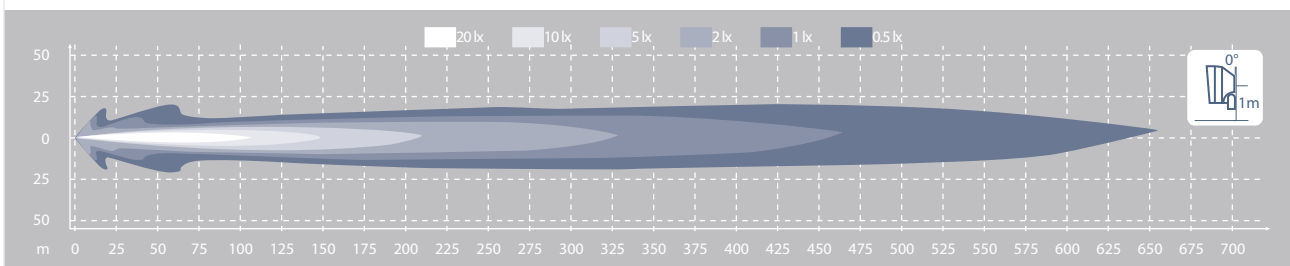
N400 HID – Low Beam

Part No.	Voltage
994-001	12
994-201	24



N400 HID – High Beam (Spot)

Part No.	Voltage
994-002	12
994-202	24



Nordic Heavy Duty HID

N45 HID



- High output 45W ballast produces 60% more light compared to standard ballasts.
- Heavy duty Xenon discharge bulb.
- Low current draw.
- Over voltage, over temperature, spike & polarity protected.
- Heavy duty anti-vibration mounting system.
- Free-Form optics for superior light dispersion.
- Replaceable lens.
- Rotate lens for pendant mount.
- Environmentally sealed cast alloy body.
- Gore filter technology to prevent ingress.
- Ballast encapsulated in body.
- Deutsch DT connector encapsulated in body.

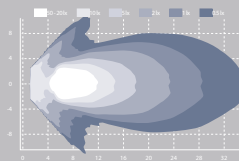
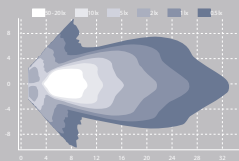
Voltage :	12V	24V
Start Up :	8A	3.5A
Input Current :	3A	1.5A
Ballast :	45W Integrated	
Connector :	Deutsch DT Series 2 Pin	
Mount :	Single Bolt M10	
Shock :	50G	
Vibration :	15.3G rms 24 – 2000Hz	
Lens :	Hardened Glass	
Body :	Aluminium	
Weight :	1.1kg	
Ingress Protection :	IP68, IP6K9K	
Salt Mist :	ISO 9227	
EMC :	ISO 13766	
Operating Temperature :	-40°C to 85°C	
Colour Temperature :	4250K	
Tube :	35W D1S	



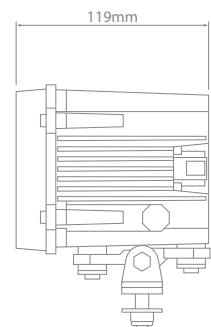
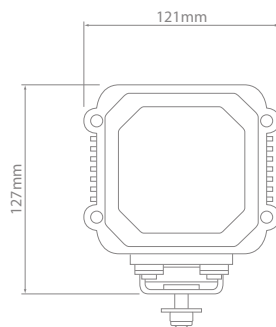
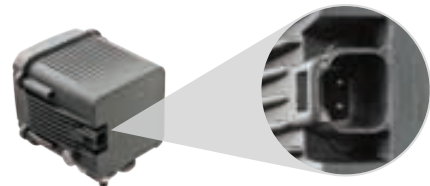
Small Lamp, Big Output

N400 HID

N45 HID



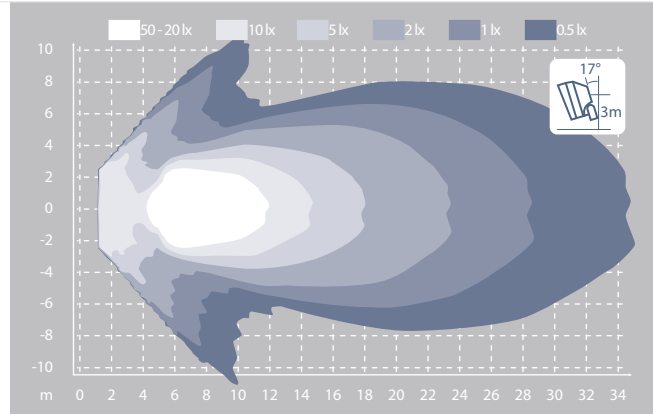
Although substantially smaller in size than the N400 HID, the N45 HID manages to produce a comparable light pattern due to the boosted 45W ballast.



Nordic Heavy Duty HID

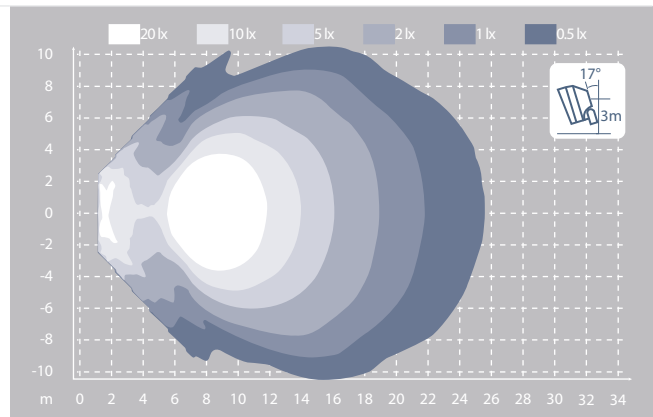
N45 HID – Flood

Part No.	Voltage
990-058	12
990-039	24



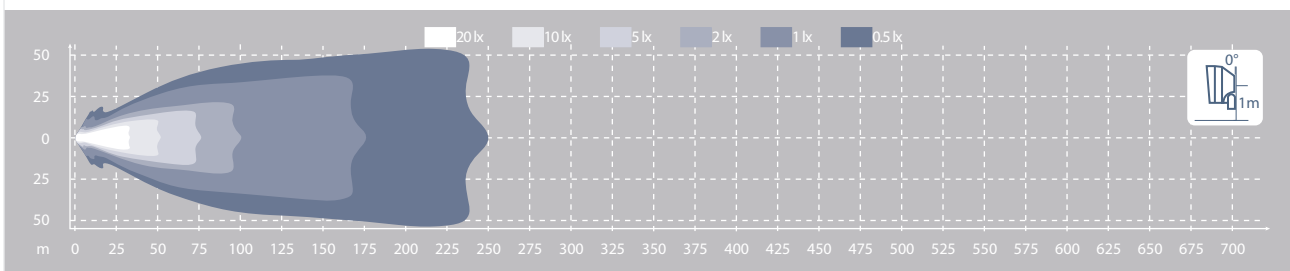
N45 HID – Wide Flood

Part No.	Voltage
990-054	12
990-040	24



N45 HID – Low Beam

Part No.	Voltage
990-086	12
990-087	24



N45 HID – High Beam (Spot)

Part No.	Voltage
990-059	12
990-038	24

