AS200FF Xenon

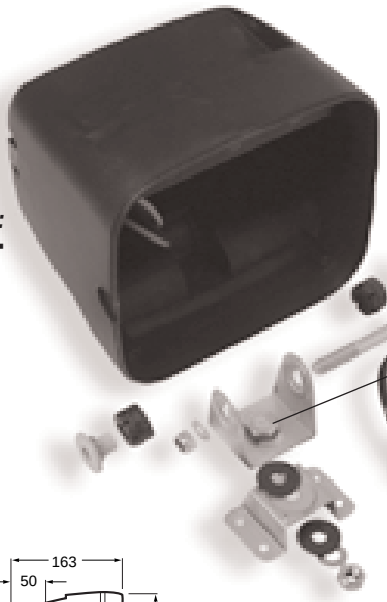
GDL Worklamp

Mounting instructions

Please retain for future reference

Hella Part No.

HM1536-24V
HM1536-12V
HM1538-24V
HM1538-12V
HMASX35WBD
HMASX35WBD-12V
HMASX35NBD
HMASX35NBD-12V



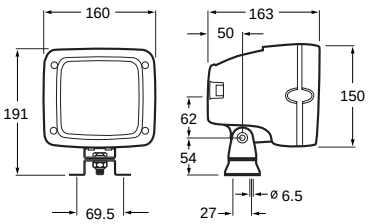
Note:
Top terminal +

Torque settings for bolt
20Nm

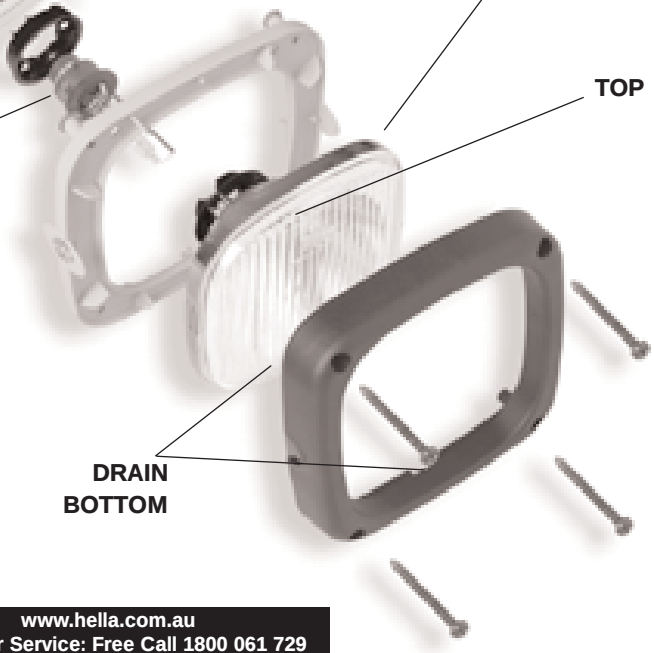
Note:
Do not cut or damage this cable.

Ballast Spare Parts:
9.HMASXB24
9.HMASXB12

Optic Spare Part:
Insert - Wide Optic 9.HMASXWB
Insert - Narrow Optic 9.HMASXNB



Globe Spare Part:
XN4000



TOP

DRAIN
BOTTOM

DEUTSCH PLUG
Pin Configuration

+ Blue **Brown -**
Bulb Ground

AMP PLUG
Pin Configuration

- **+**

www.hella.com.au
Customer Service: Free Call 1800 061 729
custservice@ha.hella.com

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Technical data

Ballast to combine with Xenon HID bulb D2S / 35W

Specifications	12 VDC	24 VDC
Nominal voltage	13.2V	26.4V
Lower switch-on	9V	18V
Operating voltage range	9V to 16V	18V to 32V
Below this voltage the operating time is limited	< 9V for 10min. at TG < 85˚C	< 12V for 10min. at TG < 85˚C
Power consumption	c.42W	c. 41W
Peak current	20 A	10 A
Activation current	< 17 A for max. 10 s	< 8.5 A for max. 10 s
Nominal current	3.18 A	1.59 A
Preconnected fuse	15 A (16 A)	7.5 A
Power output	35W +/- 1W at TG 25˚C	
No-load ignition voltage	c. 20kV (max.23kV)	
Lamp voltage range	67V to 112V	
Housing temperature range	-40˚C to + 105˚C (enclosure 2)	
Mass	1.7kg	
Exceeds Hella requirments	Class 4	
Lamp type	D2S	
Protection code (with suitable plug)	IP6K7	

		Ballast input voltage (Xenon)
		12 VDC / 24 VDC
Maximum Impedance		300 milli-Ohms
Lead Cross section	**US Cable size Gauge no. (Copper)**	**Total lead length (power and ground lead) for supply of 1 ballast**
1.0 mm²	16 Ga.	7.2 m
1.5 mm²		10.9 m
2.0 mm²	14 Ga.	14.5 m
2.5 mm²	12 Ga.	18.1 m
4.0 mm²		29.0 m
5.0 mm²	10 Ga.	36.3 m
6.0 mm²		43.6 m
8.0 mm²	8 Ga.	58.1 m

Mounting instructions:

- The worklamp is suitable for upright or pendant mounting. In case of pendant mounting please open the lamp and assemble the reflector unit turned 180˚ (see Exchange of the D2S bulb).
- Take care of the correct lens position ***("TOP" upwards, "HELLA" visible, drain hole downwards).***
- **When operating the lamp, please observe the following:**
- Do not operate in small, closed spaces.
- Distance between lens and combustible materials at least 0.5 metre.
- Do not look directly into the bright light.

Warning! When the lamp is switched on and the lens is hot, do not clean with liquid. **Danger of Breakage.**

Connection of ballast to power supply:

- The ballast generates high voltage. Do not touch the connection lead to the xenon bulb or other parts of the ballast when turning the power on.
- The ballast is fully potted and therefore has very good humidity resistance characteristics. However, do not expose the ballast to water, humidity or condensation.
- Always use the ballast in combination with the D2S xenon-bulb.
- Adhere to the maximum temperature requirements of the ballast.
- All power supply and charging systems must adhere to the voltage limits specified. A battery or accumulator must be connected in series with the ballast input or +24V / 12V.
- Use the wiring harness supplied for electrical connection.
- 10 amp fuse (slow blow type) at 24V / 20 amp fuse (slow blow type) at 12V must be added in series with the ballast input, or Hella circuit breaker.
- To assure proper starting characteristics, the complete lead (power and ground lead) between the battery or accumulator and the ballast shall not have an impedance more than 300 milli-ohms (including battery, teminals, fuse and holder contacts, relay and any connector resistances). Make sure not to extend the supplied wiring harness more than the specified maximum length (see technical data).
- Do not start more than 3 ballasts at once. After 20 seconds additional 3 ballasts can be started, Hella also supplies waterproof relays.
- The ballast is equipped with a "Reverse polarity protection", but will operate at correct connection only.
- As this product converts frequency, it can be a source of electric noise.

Exchange of the D2S bulb

- Always switch off the worklamp ballast before exchanging the D2S bulb and disconnect from the power supply.
- Allow the xenon-bulb to cool off.
- The glass body of the xenon-bulb is filled with various gasses and metal gasses under pressure (danger of splintering).
- Wear saftey goggles and gloves when exchanging xenon-bulb.
- Dispose of used xenon bulbs as hazardous waste.
- Always use the ballast in combination with the D2S bulb which is placed inside the closed work lamp.
- Never touch the glass of the xenon-bulb, touch the xenon-bulb at it base only. Use a clean cloth and alcohol to remove any fingerprints from the glass bulb carefully.
- Connect the D2S bulb securely in the connector. Incomplete connection of the D2S bulb can result in damage to the product or other equipment, or electric shock.
- The ballast operation is stopped within 1 second if the D2S bulb is not connected properly

- Hella shall be absolved from all responsibility for any modifications performed on the luminaire
- Use only certified original equipment for replacement purposes