



OVAL 100FF DOUBLE BEAM

H3 Halogen Worklamp

Mounting instructions

Please retain for future reference

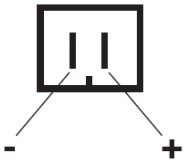


Hella Part No.
HMPV270WBA
HMPV270NBA
HMPV270WBD
HMPV270NBD
HMPV1X1WBD
HMPV1X1NBD

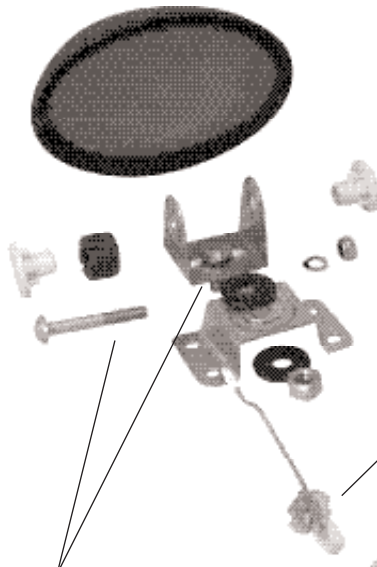
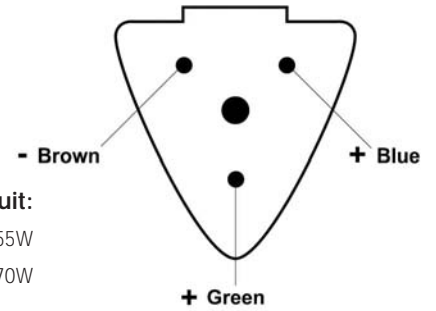
Voltage

12V Globes included
24V Globes to be ordered separately (optional)

AMP PLUG Pin Configuration



DEUTSCH PLUG Pin Configuration



Globes to suit:

- 2 x H3 12V 55W
- 2 x H3 24V 70W

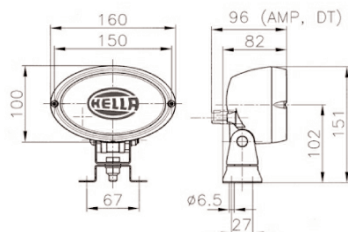
Torque settings for bolt
20Nm

TOP

DRAIN
BOTTOM

Optic Spare Part:

- Insert - Wide Optic 9.HMPU2WB
- Insert - Narrow Optic 9.HMPU2NB



Note: 10A fuse or circuit breaker



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Technical data

Specifications	Voltage	
	12 V	24 V
Rated voltage	12 V	24 V
Operating voltage	12 V	24 V
Input current (Single)	55W 4.6A	70W 2.9A
Input current (Twin)	55W 9.2A	70W 5.8A
Required fuse or circuit breaker in series to input	10 A (Twin)	10 A (Twin)
Mass	1kg	
Exceeds Hella requirements	Class 4	
Lamp type	H3	
Protection code	IP6K7	

-Installation and Operation Instructions for Double Beam Worklamps:

Warning!

Use only heat-resistant, silicone-insulated cables and connectors inside the housing.

Mounting:

- After ascertaining desired position on front of vehicle, allowing enough space for adjustment, ensure that the lamps are fitted to rigid point of the vehicle.
This minimises vibration, transmission and possible adverse effects on beam alignment and globe life.
- Drill an 11mm hole for the lamp mounting bolt. Tighten bolts firmly, Use template.
- When mounting relay ensure cable between battery, relay and lamps is kept as short as possible.
Relay should be protected from water, dust and heat and mounted with the terminals pointing down.
- Take care of the correct lens position (**"TOP" upwards, "HELLA" visible, drain hole downwards**).

Wiring procedure:

- (✓) Tick as completed.
- Disconnect the earth cable from the vehicle battery.
 - Connect a 3mm cable from the high beam terminal 56A of the headlight dipper switch.
 - Connect a 3mm cable from a fused active supply (vehicle fuse box) to one side of the on/off control switch.
 - From the remaining terminal of the on/off control switch connect to terminal 86 of the relay.
 - Using the 4mm cable connect terminal 30 of the relay via fuse to a major active supply (starter solenoid, alternator or battery).
 - Connect terminal 87 of the relay to both lights (globes) using 4mm cable and screw connector.
 - Connect terminal 85 of the relay to the vehicle earth using 3mm cable.
 - SEE NOTE. Connect the earth terminal on the globe holder to the earth cable inside the lamps (where fitted) or run back to the chassis earth or negative battery terminal.
 - Thoroughly check all connections and wiring. Only then re-connect earth cable to battery.
 - Test and align lights, then finally tighten all mounting bolts.

Note:

Use a separate earth cable for best results.

The use of a Hella relay is recommended.

Recommended Hella Relay	Fused	Unfused
	3076 12Volt	3078 12Volt
	3077 24Volt	3079 24Volt

Waterproof relay HMWPR001 12 volt

When using the lamp please note the following:

- The lamp may not be operated in small enclosed spaces.
 - The distance between the lens and any combustible materials has to be at least 1m (40").
 - Avoid looking directly into the intensive light.
 - Only touch the worklamp after it has cooled down.
 - The lens may occasionally be cleaned.
 - No aggressive or abrasive cleaners may be used.
 - Beware! Do not wash the lens with liquid substances while switched on or while the lens is still warm, as the lens might crack!
- Hella shall be absolved from all responsibility for any modifications performed on the luminaire
 - Use only certified original equipment for replacement purposes

