



AS3000 RFCCommSafe™ Work Lamp - 24V DC

MOUNTING INSTRUCTIONS

Please retain for future reference

Operating Instructions

PLEASE OBSERVE THE FOLLOWING:

Adhere to the maximum temperature requirements of the work lamp.

The lamp may not be operated in small enclosed spaces.

The distance between the lens and any combustible materials must be at least 1 metre.

Avoid looking directly into the intensive light.



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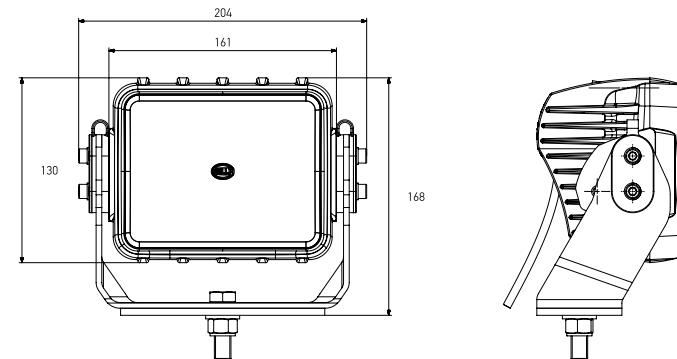
HELLA LED lighting offers many advantages over conventional bulb lamps. Significantly reduced power consumption, ultra long life and high tolerance to shock and vibration make HELLA LED lamps the ideal choice for the harsh automotive and mining environments.

Technical Data

Housing Material	Die cast aluminium body. Non-stick surface coating	
Lens Material	Heavy duty Grilamid®	
Bracket Material	316 stainless steel	
Colour Temperature	Daylight White: 5000K	Warm White: 3000K
Cable	Pre-wired with 2.5 m of sheathed multi-core cable	
Operating Voltage	20 - 33V DC	
Power Consumption	Full Output Mode: 45 W	Dimmed Output Mode: 12 W *
Operating Temperature	-40°C to +50°C	
Degree of Protection	IP6K7 IP6K9K - Completely Sealed	
Weight	2.6 kg (including cable)	
Light Output	Daylight White: 3000 lumens	Warm White: 1900 lumens

* Dimming function not installed on all models

Dimensions



RFCCommSafe™ Electromagnetic Compatibility (EMC)

Every LED lamp contains electronic circuitry. It is essential that this circuitry does not cause harmful interference to other devices and at the same time is not susceptible to radiation from other devices.

RFCCommSafe™ products were developed in recognition that some radio communication equipment can self-tune to be very sensitive in remote areas. In these situations the limits prescribed by regulatory requirements and as defined in international standards such as CISPR15 or relevant UNECE Standards may not be sufficient to ensure there is no interference with very sensitive radio communication equipment.

Lamps marketed as RFCCommSafe™ are designed to go well beyond the requirements of CISPR15, CISPR25 and UNECE Standards.



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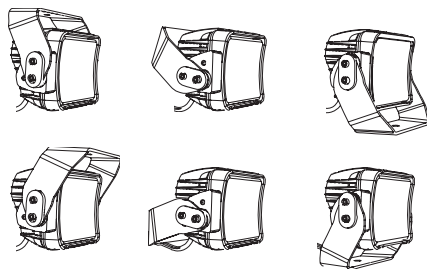
Please retain for future reference

Installation Instructions

The 316 stainless steel multi-adjustable trunnion bracket ensures accurate and stable aiming in a high vibration environment in all assembly positions.

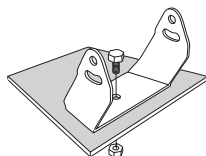
The bracket locates the axis of rotation in the centre of gravity.

When using the trunnion bracket, ensure that the mounting surface area is even and flat and has a greater surface area than the bracket surface.

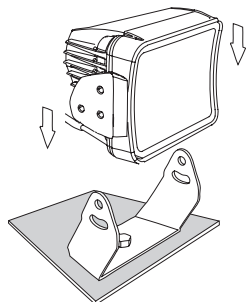


1.
The floodlight is suitable for upright or pendant mounting.

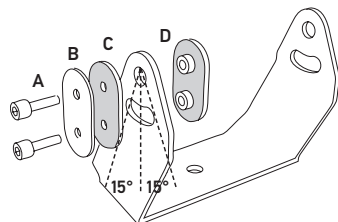
2.
Position the trunnion bracket on the desired mounting surface and fasten bolt. The maximum thickness of the mounting material is 15mm using the supplied bolt.



3.
Place the lamp into bracket and adjust aiming angle.



4.
Once the desired angle is achieved, fasten into place. Tighten bolts to 7Nm making sure the order of the bracket system is followed as illustrated to ensure no metal-to-metal contact.



5.
Once fastened, plug in and switch on.



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Wiring Instructions

This LED work lamp is polarity conscious. Reverse polarity will not damage this product but will inhibit its function. HELLA recommends wire connections be soldered and heat shrink tubing applied to seal the joint.

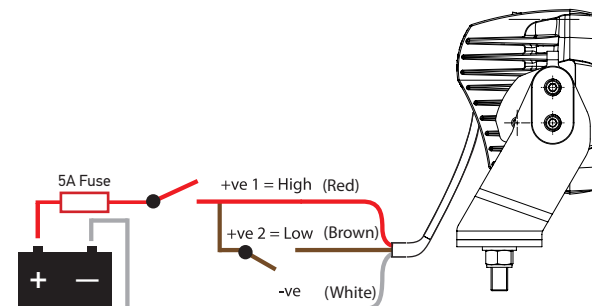
To switch the work lamp to Full Output Mode, connect Red (+ve) cable to positive and White (-ve) cable to negative. To switch the work lamp to Dimmed Output Mode *, connect both Red (+ve) and Brown (+ve) cables to positive and the White (-ve) cable to negative.

Cable Colour	Connect to	Power Consumption
White	Negative (-)	-
Red	Full Output Mode (+)	45 W
Red & Brown	Dimmed Output Mode (+) *	12 W

* Dimming function not installed on all models

If the work lamp is required to switch between Full Output and Dimmed Modes then a headlamp type switch (such as HELLA P/N 4056) may be used. Use the switch for Full Output Mode (position lamp feed on switch) and Dimmed Output Mode (headlamp feed which includes position lamp).

Alternatively, a combination of two switches may be used as per schematic below.



All power supply and charging systems must adhere to the DC voltage limits specified. A battery or accumulator must be connected in series with the DC voltage source.

HELLA recommends that each work lamp be protected by a fuse rated at 5 amperes.

Protection against damage due to voltage spikes

This LED work lamp is protected against damage from positive voltage spikes caused by events such as load dump conditions specified in ISO 7637. This lamp is protected against overvoltage, voltage spikes, reverse polarity connection and negative voltage spikes.