

AS500® FF Halogen H3 Heavy Duty Work Lamps



AS500® FF Halogen is a compact and highly versatile, ultra heavy-duty work lamp for use on mining machinery; suitable for 24V and 12V electrical systems.

Good lighting is essential to create a safe and productive work area where machine operators can clearly see their work environment and identify any hazards in time to take the required action. The AS500 FF is engineered to deliver excellent lighting under continuous use in the extreme environmental conditions encountered in mining applications.

AS500 FF lamps employ Hella Free-Form optics to deliver an homogenous spread of light, enabling operators to see comfortably for long periods of time. The light distribution of the beam ensures an absence of sharp transitions from light to dark in the operator's visual field, thus significantly reducing adaptation-related eye fatigue and stress.

The optical modules comprise of a precision-moulded specular reflector, permanently assembled to a corrosion-resistant hardened glass refractor lens and machined lamp holder, ensuring perfect focus of each unit. A choice of wide and narrow asymmetric beam types is available to suit different applications. (See technical section for more information on Hella's applications engineering service.)

The integrated, patented Hella MustADD® filter in the AS500 FF ensures optimum optical performance is maintained over the product's life in the adverse atmospheres typically encountered in mining. (See technical section for more information.)

Product features

- Modular die cast aluminium alloy body
- Integral "non-snap" handle
- Multiple mounting options
- Stainless steel trunnion bracket with quad bolt fastening
- Draco® suspension
- Free-Form wide and narrow beam optics
- MustADD® filter
- Captive Allen bolts
- Double insulated silicone supply cable with DT or AMP plug
- O-ring seals
- Components tested over a -40°C to +105°C temperature range
- H3 Halogen 70W 24V supplied
- H3 Halogen 55W 12V can be fitted
- IP6K7K
- 50G shock resistant lamp
- Protective clear covers available
- Consumable spares interchangeable with Hella AS200FF® Xenon range

Safe and reliable electrical connection is facilitated via a short length of highly flexible double insulated cable, terminated as standard in DT or AMP connectors; other connector options can be supplied as special orders.

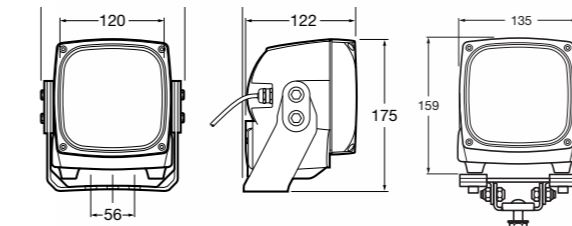
An ergonomic heavy-duty cast aluminium body with an integral "non-snap" adjustment handle is the basis of all AS500 FF lights. A robust lens retaining ring with captive M4 Allen bolts enables rapid routine service access from the front, while high temperature O-ring seals ensure effective sealing. A UV resistant multi-stage powder coating process ensures optimal corrosion protection.

Accurate and stable aiming in a high vibration environment in all assembly positions is a vital aspect of good lighting. The AS500 FF offers a range of secure mounting options to suit almost any requirement. The standard trunnion bracket can be fitted to the body in six different mounting positions; all of which locate the axis of rotation in the centre of gravity to minimize mechanical stress. Four M6 Allen bolts, in arced slots and fixed pivot points, ensure that the aiming angle can be locked securely. Secondary mounting holes in the base of the AS500 FF enables direct mounting onto equipment, or the use of an optional pedestal bracket. The supplied heavy gauge stainless steel hardware is non-resonant and highly corrosion resistant. The AS500 FF features integral DRACO® dampers that eliminate all metal-to-metal contact between the lamp and bracket to reduce the intensity of shock and vibration communicated to the light. (See technical section for more information.)

Sustainable use of resources and high ownership value is ensured through the modular system design, enabling AS500 FF users to re-use, repair or recycle their lights into new applications. Both beam types and mounting bracket positions and options can be changed. Halogen models can also be upgraded to Xenon and other future options.



Multi-adjustable trunnion bracket ensures accurate and stable aiming in a high vibration environment in all assembly positions. Bracket locates the axis of rotation in the centre of gravity

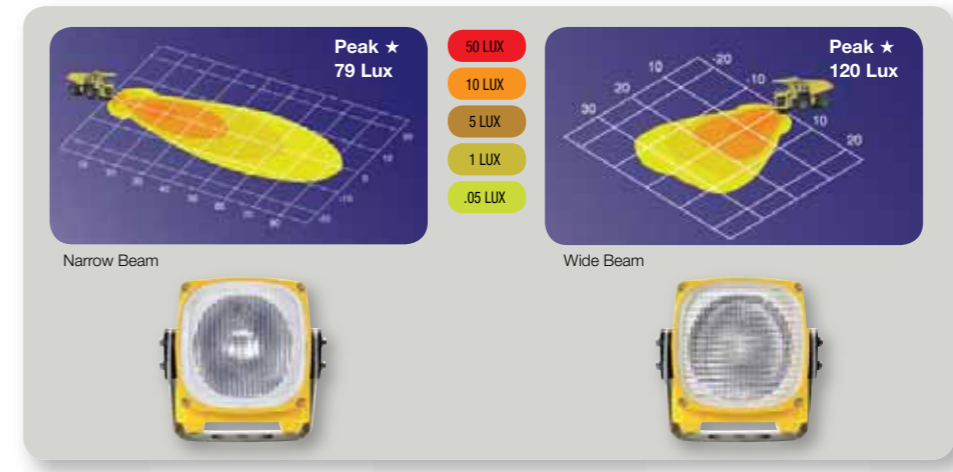
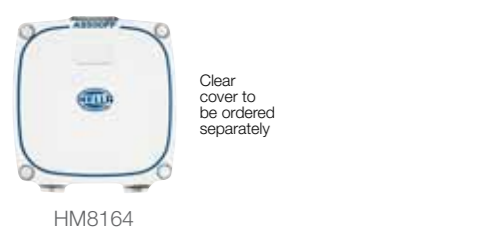


Trunnion Bracket Optional Pedestal Bracket

Description	Part No.
Wide Beam DT Plug	HMADH70WBD
Narrow Beam DT Plug	HMADH70NBD
Wide Beam	HMADH70WBA
Narrow Beam	HMADH70NBA

Spare Parts

Part No.	Description
HM8164	Clear Protective Cover
9.HMAPEDL	Pedestal Mounting Bracket Assembly
9.HMATRUN	Trunnion Mounting Bracket Assembly
9.HMAWHKD	Cable harness kit AS500
9.HMASHWB	Insert - Wide Optic - AS200/500 H3
9.HMASHNB	Insert - Narrow Optic - AS200/500 H3
YC2470	Globe - H3 24V
YC1255LL	Globe - H3 12V



AS500® FF Halogen - Pedestal Mount



Ultra heavy-duty AS500® FF Work Lamps now available with pedestal bracket.

AS500® FF work lamps create a safe and productive work area in which potential hazards can be identified fast. AS500® FF provides superior lighting under continuous use in the extreme environmental conditions encountered in heavy-duty mining applications.

Our range of highly versatile, ultra heavy-duty AS500® FF work lamps has been extended to include halogen lamp versions pre-assembled with non-resonant and highly corrosion-resistant stainless steel pedestal brackets.

Accurate and stable aiming in a high-vibration environment in all mounting positions is a vital aspect of good and safe work lighting.

Each AS500® FF pedestal mount work lamp is equipped with Hella's unique DRACO® vibration dampers. The mounting system eliminates all metal-to-metal contact between the lamp base and bracket to effectively reduce the intensity of shock and vibration passing from the mounting surface to the lighting equipment itself.

As with all other previous AS500® FF models, safe and reliable electrical connection is facilitated with a short length of highly flexible double insulated cable, terminated with either DT or AMP connectors.

Product Features

- Durable corrosion-resistant stainless steel pedestal bracket
- DRACO® Suspension
- Free-form wide and narrow beam options
- MustADD® multi air-filter
- IP6K7
- Double insulated silicone supply cable with DT or AMP plug
- O-ring seals
- Integral 'non-sag' handle
- Extremely robust die-cast aluminium alloy body

Specifications

Voltage	24V
Power Consumption	70W Max.
Peak Current	2.9A
Temperature Range	-40°C to 105°C
Lamp Type	H3
Protection	IP6K7

Description	Part No.
AS500® FF Halogen H3	
Wide Beam AMP Plug 24V	HMPDH70WBA
Narrow Beam AMP Plug 24V	HMPDH70NBA
Wide Beam DT Plug 24V	HMPDH70WBD
Narrow Beam DT Plug 24V	HMPDH70NBD



Spare Parts

HM8164	Clear Protective Cover
9.HMAPEDL	Pedestal Mounting Bracket Assembly
9.HMATRUN	Trunnion Mounting Bracket Assembly
9.HMAWHKD	Cable Harness Kit
9.HMASHWB	Halogen Wide Beam Insert
9.HMASHNB	Halogen Narrow Beam Insert



Clear cover to be ordered separately

HM8164

