

HydroLUX® Submersible Driving Lamp 12/24V



Description	Part No.
Submersible Driving Lamp – Yellow	HM1358
Mining Yellow Pencil Beam	HM1374HD
Mining Yellow Spread Beam	HM1375HD
Submersible Head Lamp H4 – Yellow RHD	HM1002
Submersible Head Lamp H4 – Yellow LHD	HM1002ECE



HydroLUX® ultra-heavy duty submersible driving lamps feature advanced engineering, focused on the requirements of mining and emergency vehicles that operate on and off public roads. Suitable for 24V and 12V electrical systems.

Good lighting is essential to create a safe and productive illumination of the road, enabling drivers to clearly see and identify any hazards in time to take the required action. The HydroLUX is not only engineered to deliver excellent lighting but also to withstand regular submersion or continuous under water operation, as well as the extreme environmental conditions encountered in mining applications.

Hella's patented isobaric system prevents water ingress into the optical module, whilst enabling easy service access and reliable long-term operation of the seals under mining conditions. To ensure correct operation of the isobaric system and perfect focus, each optical module unit comprises a precision-moulded specular reflector, with integral lamp holder permanently assembled to a corrosion resistant hardened clear lens seated into a die cast alloy frame. Each HydroLUX is individually pressure tested and certified. (See technical section for more information.)

HydroLUX lamps are available with Free-Form spread and pencil beam auxiliary driving beam distribution types, in addition to a wide range of ECE and SAE approved high/low beam versions

Product features

- Wide selection of optics available
- Die cast alloy body and bracket
- MustADD® filter
- Double insulated silicone supply cable
- O-ring seals
- H1, H3 and H4 versions available
- Suitable for 12V or 24V globes (24V supplied)
- IP6K9K
- 50G shock resistant lamp
- ECE and SAE compliant options
- Right and left hand traffic options
- Protective clear covers available



Shown with H3 Insert



Shown with H4 Insert

for use as headlamps in left and right hand public road traffic. (See technical section for more information on Hella applications engineering service.)

All HydroLUX optical modules feature a fully integrated, patented Hella MustADD® filter to ensure that optimum optical performance is maintained over the product's life in the adverse atmospheres typically encountered in mining. (See technical section for more information.)

An ergonomic, heavy-duty cast aluminium body with an integral "non-sag" adjustment handle is the basis of all HydroLUX 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 is a vital aspect of safe and legal road lighting. The non-resonant and corrosion resistant cast alloy bracket fitted to the body shape minimizes mechanical stress, and a rubber damper between the lamp and bracket eliminates metal-to-metal contact to reduce the intensity of shock and vibration communicated to the light. Two M6 Allen bolts ensures that the critical vertical aiming can be locked securely, and a M8 bolt in the base enables direct mounting onto equipment.

Safe and reliable electrical connection is facilitated via a 2m length of highly flexible double insulated cable, factory sealed into the body, eliminating the requirement for water-proof connections at the lamp. Other connector options can be supplied as special orders.



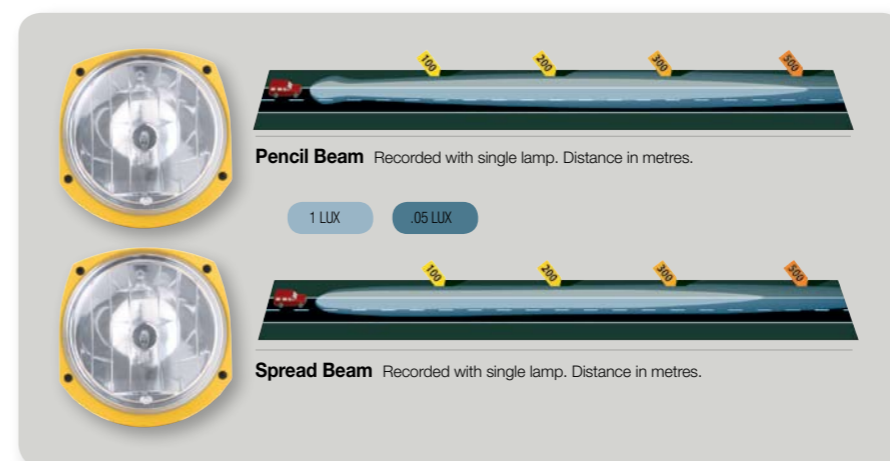
Note: Spread Beam Lamp is ECE compliant with 12V/55W or 24V/70W globe.

Spare Parts & Options

Part No.	Description
8151	Clear Protective Cover
HM9.1374.08	Mounting Bracket Assembly
HM9.1374HD.01	Pencil Beam Insert Assembly (H1 Version)
HM9.1375HD.01	Spread Beam Insert Assembly (H1 Version)
9.HM1002ECE.01	Insert HM1002ECE (LHD, H4 ECE Version)
9.HM1002.01	Insert HM1002 (RHD, H4 Version)
9.HM1385.05	Insert HM1358 (H3 Version)
YC24...	Globe H3
C24...	Globe H1
XD24...	Globe H4



Clear cover to be ordered separately



Front View