

**OVAL 100FF Xenon Heavy Duty Work Lamp - 24V DC**



**OVAL100 FF Xenon is a low profile, 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 OVAL100 FF is engineered to deliver excellent lighting in the extreme environmental conditions encountered in mining applications.

OVAL100 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.)

Hella integrated a basic version of the patented MustADD® filter into the

OVAL100 FF to ensure the optical system remains virtually dust free over the product's life in the adverse atmospheres typically encountered in mining. (See technical section for more information.)

35W Xenon gas discharge lighting systems pioneered by Hella, have set the standard across the world for delivering optimum visual acuity and comfort to professional work lamp users. The compact electronic ballast fitted internally to the OVAL100 FF range operates a D1S lamp with integral ignitor.

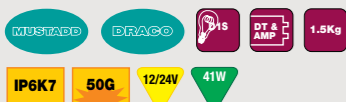
Safe and reliable electrical connection is facilitated via a short length of highly flexible double insulated cable, terminated with either DT or AMP connectors; other connector options can be supplied as special orders.

OVAL100 FF lights use a highly corrosion-resistant, heavy-duty, UV-resistant polymer body with a lens-retaining ring to enable easy routine service access from the front, while high temperature O-ring seals ensure effective sealing.

The supplied stainless steel mounting hardware is non-resonant and highly corrosion resistant. OVAL100 FF features integral DRACO® dampers in the bracket system 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 OVAL100 FF users to repair, or recycle their lights into new applications. Ballasts can be replaced or exchanged to suit different supply voltage values and beam-spread types can be changed.

Description	Part No.
Wide Beam	<b>HMPVX35WBA</b>
Narrow Beam	<b>HMPVX35NBA</b>
Wide Beam DT Plug	<b>HMPVX35WBD</b>
Narrow Beam DT Plug	<b>HMPVX35NBD</b>

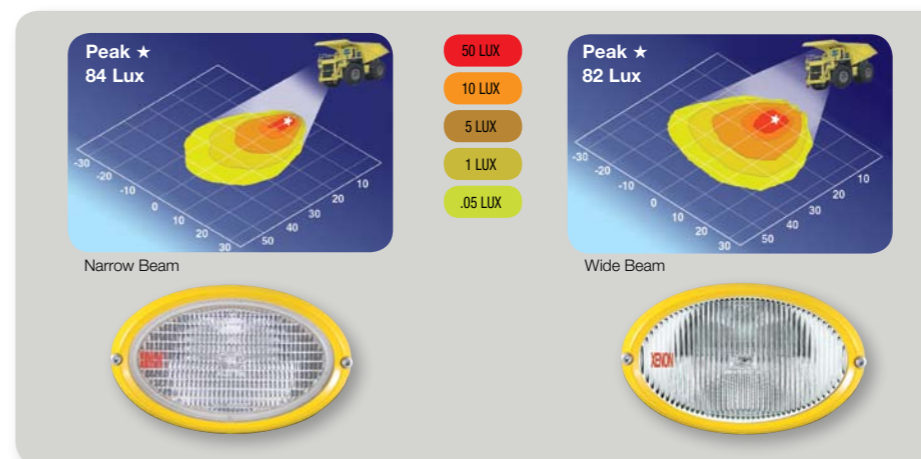
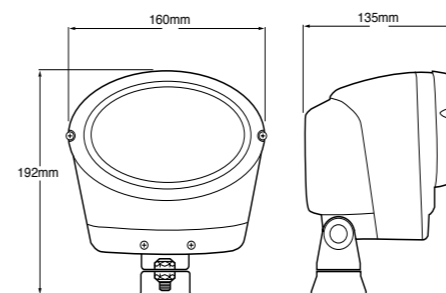


**Spare Parts**

Part No.	Description
9.HMPUXWB	Insert – Wide Optic – GDL
9.HMPUXNB	Insert – Narrow Optic – GDL
9.HMPUXB24	Ballast – OVAL100 FF
HMXN4001	Globe – Xenarc D1S

**Product features**

- UV-resistant polymer body
- Low profile Oval shape
- Stainless steel bracket
- Draco® suspension
- Free-Form wide and narrow beam optics
- MustADD® filter
- Double insulated silicone supply cable with DT or AMP plug
- Replaceable Xenon ballast
- O-ring seals
- Components tested over a -40°C to +105°C temperature range
- High efficiency & long life D1S 35W Xenon light
- 12V DC & 24V DC options
- IP65
- 50G shock resistant lamp
- CE compliant



Front View