



# LIGHTING GAS MIXTURES

**Description** Linde is the world's largest manufacturer of halogen, hydride, and rare gas mixtures for incandescent, fluorescent, and high intensity discharge (HID) lamps.

Linde manufactures and exports daily the highest accuracy and purity halogen, hydride and rare gas mixtures in a full range of cylinder sizes and volumes.

Quality, consistency, and purity are always incorporated throughout Linde's production and laboratory facilities during the creation of each multi-component gas mixture.

The components of any lighting gas mixture are dependent on the specific lighting application. Halogen and hydride gas mixtures are usually multi-component gas mixtures with either an inert and/or rare gas as the second or third component within the gas mixture or as the balance gas itself.

Below you will find a list of typical lighting gas mixtures. Linde manufactures over 1000 different lighting gas mixtures with various combinations of gas components and levels of concentrations.

If you have any inquiries regarding specific lighting gas mixtures please contact your nearest Linde facility for information.

## Lighting Gas Mixtures

Bromodichloromethane (CHCl <sub>2</sub> BR)	Krypton/Argon	Neon/Argon	Xenon/Argon
Dibromomethane (CH <sub>2</sub> BR <sub>2</sub> )	Krypton/Helium	Neon/Helium	Xenon/Helium
Hydrogen bromide (HBR)	Krypton/Neon	Neon/Nitrogen	Xenon/Neon
Methylbromide (CH <sub>3</sub> BR)	Krypton/Nitrogen	Neon/Halogen	Xenon/Nitrogen
Methyliodide (CH <sub>3</sub> I)	Krypton/Halogen	Neon/Hydride	Xenon/Halogen
Hydride Gas Mixtures	Krypton/Hydride		Xenon/Hydride

Krypton-85 Gas Mixtures in Argon, Xenon, Neon, and other gases

## Cylinder Information

Cylinder Volume:	Linde can provide lighting gas mixtures in cylinder volumes as low as twenty (20) liters and as high as 10,000 liters per cylinder. Please note that any gaseous cylinder volume is dependent on the gases within the mixtures.
Cylinder Valves:	Linde can provide cylinder with either CGA, DIN, JIS or BS cylinder valve connections (country dependent).
Cylinders:	Linde can provide lighting gas mixtures in either steel, aluminum or non-refillable gas cylinders.

Linde manufactures and exports pure gases and gas mixtures for:

- Automobile Headlights
- Fluorescent Lamps
- Germicidal Lamps
- Halogen Lamps
- HID Lamps
- Incandescent Lamps
- Medical Specialty Lamps
- Metal Halide Lamps
- Miniature Lamps
- Photographic & Projection Bulbs
- Stroboscopes
- Subminiature Lamps
- UV Lamps
- Xenon Flash tubes
- And More!

### Linde Electronics and Specialty Gases

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