

OSRAM SYLVANIA Products Inc. High Intensity Discharge Lamp Use and Care

The following instructions must be complied with to avoid risk of personal injury, property damage and poor lamp performance.

1. Rupture risks:

This Metal Halide lamp is constructed of an outer glass bulb with an internal arc-tube. Metal Halide arc-tubes operate at high pressure and at very high temperatures and can unexpectedly rupture due to internal causes or external factors such as ballast failure or misapplications. An arc-tube rupture can burst and shatter the outer glass bulb resulting in the discharge of glass fragments and extremely hot particles. In the event of such rupture, there is a risk of personal injury, property damage, burns and fire.

To reduce these risk:

1. Only operate with compatible ballast and fixture.
2. Only operate lamp in designated operation positions.
3. Never expose operating lamp to moisture (such as rain, sleet or snow).
4. Replace lamp if outer glass bulb is scratched, cracked or damaged in any way.
5. Electrically insulated any metal support in contact with the outer glass bulb to avoid glass decomposition.
6. Replace lamp at or before the end of rated life. This lamp is intended for use in open fixtures since it contains a special shield which was designed to contain a ruptured arc-tube and thereby minimize the resultant risks of personal injury, property damage, burns and fire. As an additional measure of safety for continuous-operation applications (24 hour 7 days a week), lamps may be cycled for a minimum of 15 minutes at least once a week. This lamp may also be used in an enclosed fixture with a lens/diffuser material able to contain hot lamp fragments (up to 2192 degrees F, 1200 degrees C for a ceramic arc tube and 2012 F, 1100 C for quartz). If you are uncertain, contact your fixture manufacturer.

II. Electrical shock and burn hazard:

Do not remove or insert lamp while power is on. If outer glass bulb is broken, shut off power immediately and remove lamp after it has cooled.

III. Ultraviolet radiation exposure:

Warning: This lamp can cause serious skin burn and eye inflammation from shortwave ultraviolet radiation if the outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available. This product conforms to the following federal regulations: U.S.A.:21 CFR 1040.30 and CANADA: SOR/80-381.

IV. Installation

1. Screw lamp firmly but not forcibly into socket to avoid breakage.
2. All pulse start lamps require a socket rated to withstand a 4000 volt pulse.
3. Never install the lamp into an ordinary household socket.

V. Broken ARC-Tube:

Take Care in handling and disposing of this lamp. If arc-tube is broken, avoid skin contact with any of the contents and fragments.