OSRAM SYLVANIA	Industry Relations & Standards	Document No.: DQ4-144-074 Revision No.: B Issue Date: 01/16/2003

Subject: Warning – Metal Halide, E-Type, Rated for Enclosed Fixtures

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Rev:	Description of Last Change:
B	Removed redundant temperature values – added "E" rating – updated ANSI warning icon. E. De Franco, J. Fichera

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⚠WARNING

ANSI Luminaire Code **E**
ENCLOSED FIXTURE

THE FOLLOWING INSTRUCTIONS MUST BE COMPLIED WITH TO AVOID RISK OF PERSONAL INJURY, PROPERTY DAMAGE AND POOR LAMP PERFORMANCE.

I. 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 a ballast failure or misapplication. 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 RISKS:

1. **Only operate lamp in an enclosed fixture with a lens/diffuser material able to contain hot lamp fragments (up to 2192°F, 1200°C for a ceramic arc tube and 2012°F, 1100°C for quartz). If you are uncertain, contact your fixture manufacturer.**
2. **Only operate lamp with compatible ballast and fixture. (See catalog for specific information.)**
3. **Only operate lamp in designated operating positions. (See catalog for illustration.)**
4. **Lamp must be turned off for a minimum of fifteen minutes at least once a week.**
5. **Never expose an operating lamp to moisture (such as rain, sleet or snow).**
6. **Replace lamp if outer glass bulb is scratched, cracked or damaged in any way.**
7. **Electrically insulate any metal support in contact with the outer bulb to avoid glass decomposition.**
8. **Replace lamp at or before the end of rated life. (See catalog for rated life.)**

FOR APPLICATIONS WHERE AN ADDITIONAL MEASURE OF SAFETY IS DESIRED, LAMPS USING AN INTERNAL SHIELD DESIGNED TO CONTAIN AN ARC-TUBE RUPTURE ARE AVAILABLE.

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. LAMP INSTALLATION:
1. Screw lamp firmly but not forcibly into socket to avoid breakage.
2. All horizontal lamps with position-oriented mogul (POM) bases (with locating pin) require a POM socket. Do not remove pin from base.
3. All pulse start lamps require a socket rated to withstand a 4000 volt pulse.
4. 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. See Product Safety Data Sheet for further details.