

PRODUCT: All VARI*LITE Luminaires

SUBJECT: Safety Precaution & Operational Information for High-Wattage Luminaires

OVERVIEW

Philips Vari-Lite would like to remind all owners and users of the following extremely high-wattage luminaires of specific safety and operational parameters pertaining to these products:

- VL3015 Spot Luminaire
- VL3015LT Spot Luminaire
- VL3515 Spot Luminaire
- VL3500 Wash Luminaire
- VL3500 Wash FX Luminaire
- VL4000 Spot Luminaire
- VL4000 BeamWash Luminaire

The light intensity and power density of the of these luminaires exceeds that of other typical fixtures. The warnings and cautions that follow are critically important to the safe operation of these fixtures for the safety of the users, operators, and audience.

These products are for commercial use only by trained professionals only.

This technical notice is for informational purposes only. If you have any questions about the safe installation and operation of your luminaire, please contact Vari-Lite customer service at 1-877-VARI-LITE (1-877-827-4548), +1-214-647-7880, or entertainment.service@philips.com.

SAFETY AND OPERATIONAL INFORMATION



Light Beam Projects Intense Heat

Do not illuminate objects within the specified limits as outlined in each luminaire user's manual. Objects within the specified range can scorch, melt, or ignite from the heat projected by the light beam.



High Intensity Light Output

Do not look directly into the light beam. Avoid looking at nearby surfaces illuminated by the beam. It is hazardous to operate luminaires without lens or shield. Shields, lenses, or ultraviolet screens must be changed if they have become visibly damaged to such an extent that their effectiveness is impaired. For example, by cracks, deep scratches, or coating breakdown.



Hot Exterior Surfaces

The exterior surfaces of the luminaire can get extremely hot - in some cases up to 195°C (383°F). Do not touch any surface of the luminaire while it is operating. Keep all combustible materials a minimum of 200 mm (8 inches) away from the luminaire.



Proper Cooling After Dousing

To maintain cooling fan operation after the lamp is doused, keep the luminaire powered on for at least 5 minutes. Wait an additional 5 minutes before touching the luminaire.



Operating Environment

Do not operate the luminaire when the ambient temperature exceeds the luminaire's specified ambient temperature range. Refer to the luminaire's user's manual for more information. Do not attempt to bypass thermostatic switches.



Approved Lamp Types

Use only approved lamp types in the luminaire. Refer to the luminaire user's manual for specific lamp type.

The following lamps are approved for use in the VL3015 Spot Luminaire, VL3015LT Spot Luminaire, VL3515 Spot Luminaire, VL3500 Wash Luminaire, and VL3500 Wash FX Luminaire:

- Osram SharXS® HTI® 1500 W/D7/60 metal halide lamp (specified lamp, shipped with units)*
- Philips / MSR 1510 Gold™ SA/DE Lamp (approved for use in these fixtures)*
- GE CSR 1500/S/DE/60 96800 Lamp (approved for use in these fixtures)*

The following lamp is approved for use in the VL4000 Spot and VL4000 BeamWash Luminaires:

- Philips MSR Gold FastFit 1200W (specified lamp, shipped with units)*



WARNING: *Installing any other lamp types can be hazardous. Users can check the latest version of Vari-Lite Technical Notice TN-248, on the Vari-Lite web site, for all approved lamps.

Note: When replacing lamps, please dispose of used lamps properly.



Affecting Lamp Life & Performance

To help get the most of lamps used in the aforementioned luminaires, users and operators of the products are encouraged to follow these best practices:

- When the fixture is not in use (for two hours or more), the luminaire should be put in standby (dimmer set to zero) or lamp doused.
- When operating fixtures in their highest-wattage mode, do not run the lamp with more than 50% dimmer and full-color saturation for prolonged periods of time. While the lamp housing is protected by a cooling system and UV/IR glass, the lamp is subject to extreme heating by reflected energy that can reduce the service life of the lamp. Vari-Lite recommends that is this

type of application is desired, the Luminaire be set to 1200W mode through the unit's menu system or the luminaire's control channel.

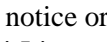
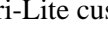
- Proper seasoning of lamps should be done according to lamp manufacturer's recommendations.
- Lamps should never be handled by bare hands. Wear cotton gloves or other covering while installing lamp. Fingerprints, oils, containments, etc. should be removed from lamps according to lamp manufacturer's cleaning instructions before the lamp is put into service**. In absence of a lamp manufacturer's cleaning instructions, Vari-Lite recommends to use isopropyl alcohol and cotton cloth to thoroughly clean glass portion of lamp.



WARNING: **Failure to properly clean fingerprints, oils, contaminants, etc. from lamps may cause the lamp to explode or reduce lamp life.

- Due to the reshaping of the electrodes inside of lamps each time lamps are stuck, realignment the lamp should be done each time the luminaire is routinely serviced for optimum performance.

CONTACT INFORMATION

For more information on this technical notice or on VARI*LITE products, please contact your Authorized VARI*LITE Dealer or Vari-Lite customer service.