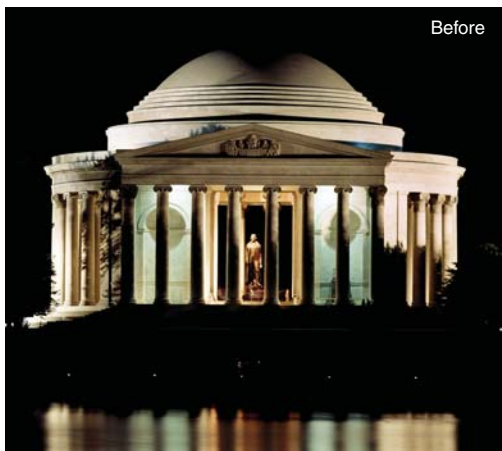


SYLVANIA METALARC® POWERBALL® Ceramic Metal Halide Lamps

“Don’t just illuminate, captivate”

Designed and built between 1939-1943, the Thomas Jefferson Memorial was opened to the public in 1943, and is visited by more than 2 million people each year. The original lighting design used high-wattage incandescent lamps and high-pressure sodium lamps for the interior illumination—with virtually no exterior lighting.

In 2001, OSRAM SYLVANIA teamed up with the National Parks Service for a complete relighting of the memorial. SYLVANIA METALARC POWERBALL ceramic lamps were chosen as the primary light source for this project. The dramatically improved exterior illumination resulted in the memorial being viewable all the way from the White House. The facade was now evenly illuminated, bathed in bright, white light. Equally important, the new light sources consumed 78% less energy than before.



Incandescent



POWERBALL®

Life



Energy Used

200W

vs.

39W

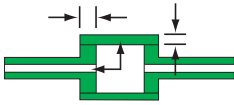
**Significantly reduce the cost of light
while improving the lighting**

Experience

the benefits

The round shape fosters more light output.

Cylindrical ceramic arc tube



Loss of light due to:

- Thick walls swallow light
- Uneven spacing between center of arc and walls

Round POWERBALL ceramic arc tube

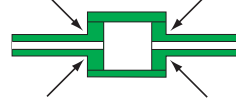


More light due to:

- Uniform wall thickness
- Equivalent distance between center of arc and walls

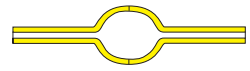
The round shape provides mechanical stability.

Cylindrical ceramic arc tube



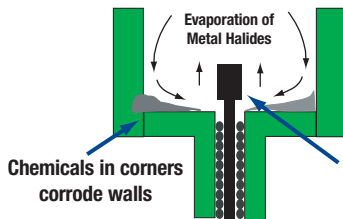
These corners are cracking points

Round POWERBALL ceramic arc tube

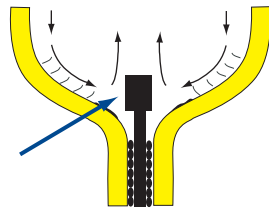


More stable, therefore less susceptible to cracks

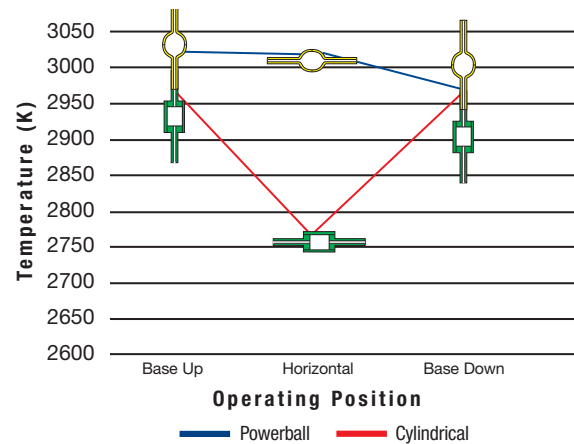
Greater corrosion resistance due to round shape.



Heat Source



Consistent performance in any burning position.



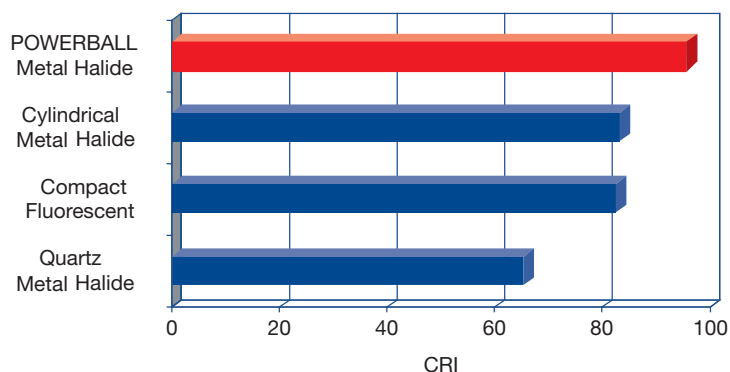
Enhance the colors, textures,
and impact of retail merchandise



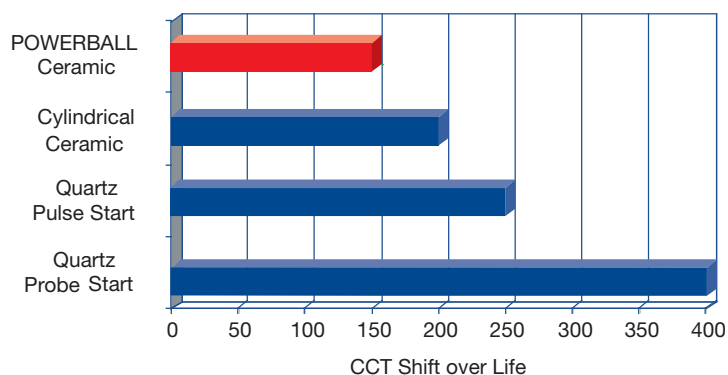
POWERBALL®
*has high color
rendering...*

Premium performance

*...Better color rendering
than many other
light sources*



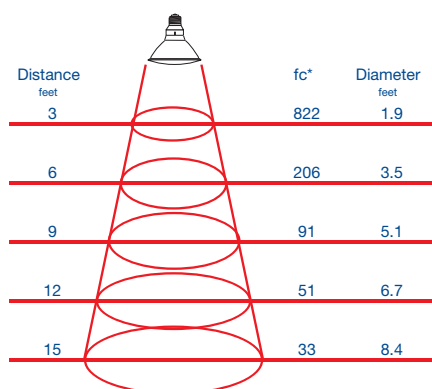
*Less color shift
through life; lowest
of any SYLVANIA
Metal Halide Source*



More beam for your buck

39W PAR30 POWERBALL

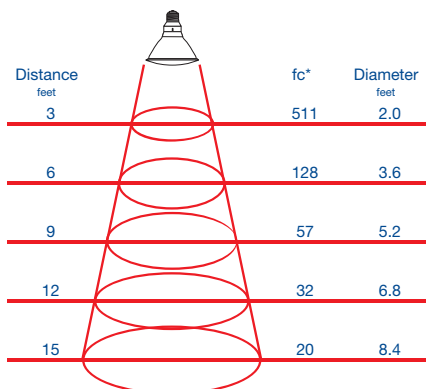
2300 Lumens 7400 CBCP @ 30°
Average Life = 12,000 hrs



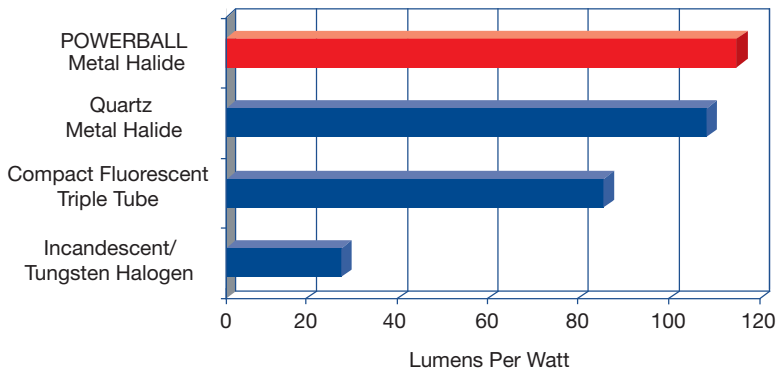
* Approximate values

120W PAR38 Halogen

1800 Lumens 4600 CBCP @ 30°
Average Life = 3,000 hrs



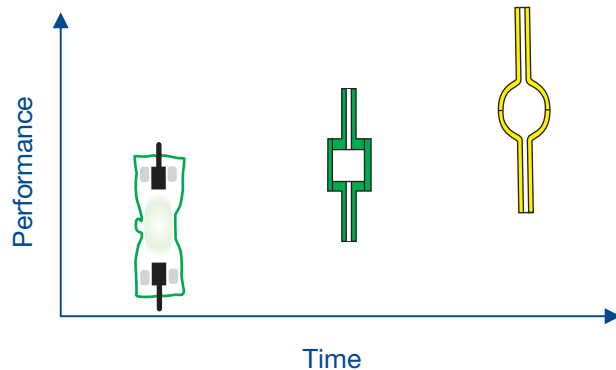
The future is **POWERBALL®**



Select the right light for your application. High Intensity Discharge (HID) lighting is one of the most energy efficient and long lasting sources of light.



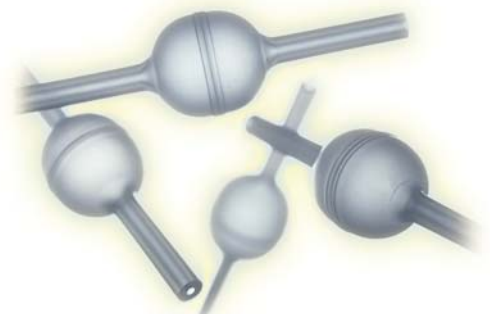
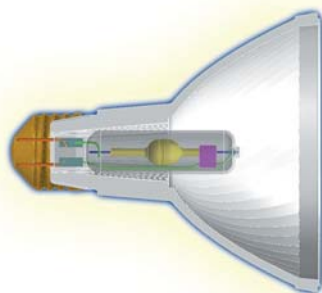
POWERBALL is the latest advance in HID lighting; the next generation of the Metal Halide family:



Round Ceramic Arc Tube

The patented technology of POWERBALL is its innovative round ceramic arc tube, which allows the lamp to exceed customer expectations over traditional cylindrical and quartz arc tube technologies.

POWERBALL technology is available in wattages ranging from 20W to 320W and in an assortment of bulb configurations including tubular (T4.5, T6, T7.5), ellipsoidal (E17, BT28, or BT37), and parabolic (PAR20, PAR30, PAR38) shapes.



United States

OSRAM SYLVANIA

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Danvers, MA 01923
1-800-LIGHTBULB
www.sylvania.com

Canada

OSRAM SYLVANIA LTD./LTÉE

2001 Drew Road
Mississauga, Ontario L5S 1S4
1-800-LIGHTBULB
www.sylvania.com

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.

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HID038R3

SEE THE WORLD IN A NEW LIGHT

SYLVANIA

