

# HD DOME LENS

## Lens for BARCO 8000/9000 Series Projectors

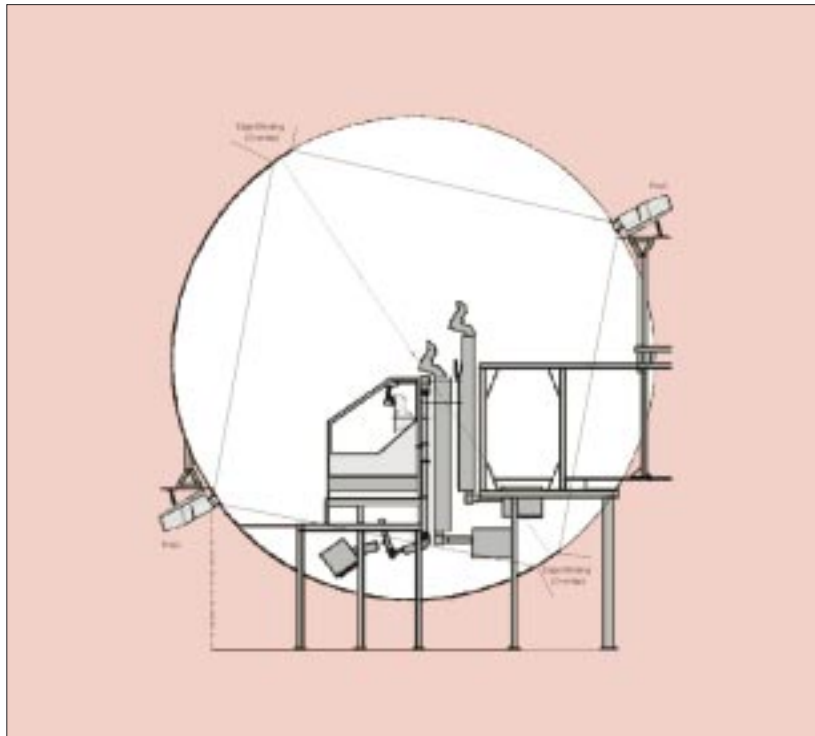
The HD dome lens is designed for use with the 8000/9000 Series Projectors to project simulation images on a dome hemisphere. The diameter of the hemisphere can vary between 1 and 12 meter (4 and 40 feet).

### Features

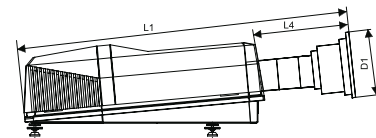
- Special HD dome lens which transforms the image for projection on a dome hemisphere.
- Special lensholder and particular testpatterns and menus facilitate installation and set-up of the projector on a dome.
- Digital video decoder and built-in proprietary scan convertor allows to accept nearly all computer graphics formats including VGA and MAC (640 x 480 pixels), SuperVGA (800 x 600 pixels), XGA (1024 x 768), SGI (1280 x 1024) and special settings for the dome applications.
- The special design makes the BarcoData 8100 Dome a powerful display device for dome hemisphere projections, simulation applications, planetarium or omnimax® theaters.



# Technical specifications



The front of the lens coincides the surface of the dome. Each projector can display an image on one half of a dome.



Dimensions	mm	inch
L1	1294	50.9
Length of the lens	439	17.3
L4	351	13.8
D1	197	7.8

## Overall light output

Base Mode: 880 Lumen  
 Boost Mode: 1000 Lumen  
 > 90% brightness uniformity for the total screen area.

## Lens specifications

Lens aperture: F/4.5  
 Focal length EFL: 59.06 mm  
 Max geometric distortion: -5.9% mm/deg

## Resolution

18 arcmin/pixel

## Sphere diameter

Minimum: 1 m - 4 ft  
 Maximum: 10 m - 40 ft

## Peripherals and options

- Compatible with 800 peripherals: RCVDS05, RCVDS800, VS05 and IR Remote Control
- Ceiling Mount Kint CM100 with integral pulley adapts the projector to local mounting requirements (with adaptor plate)

## Special Features

- On-axis hemisphere projection
- Special fixed lensholder
- Internal Circular test patterns
- External auto-diagnostics with LED display
- Special blanking for inset
- Specific settings downloaded for a picture generator
- On-screen displays: installation and service screens, barscale display of user settings, on-screen display of selected source adapted for dome projection

## Mains

Power factor pre-regulated SMPS, auto-ranging from 85 to 255 Vac

## Net weight

Projector: 70 kg - 154 lbs  
 Dome lens: 8.5 kg - 19 lbs

## Order information

HD Dome Lens R9829460  
 Retrofitted kit off->on-axis R808459K

If the projector is equipped with an adjustable lensholder additional components are needed:

Screw R3631649  
 Sideplate R810396

BARCO Projection Systems is an ISO 9001 registered company.

The information and data given are typical for the equipment described. However any individual item is subject to change without any notice.



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