D Cinema Screen Checker

The New D Cinema Screen Brightness Meter

- Measure screen brightness during lamp installation
- Take periodic readings to confirm DCI screen compliance
- Check screen consistency throughout the cinema.
- Displays instant accurate readings for both 2D and 3D screens
- Hand held and easy to use
- Battery powered
- Simple optical screen alignment viewer
- Calibrated within a screen brightness range of 0ft/L to 30 ft/L

The new D-Cinema Screen Checker is a low cost alternative for measuring foot Lamberts in both 2D and 3D. The D-Cinema Screen Checker is calibrated to be very accurate even in the lower ranges used in 3D projection. The foot Lambert reading is shown via a two digit LED digital display and is expressed to two decimal places.

Such a unit is ideal for service engineers who need a fast accurate light reading and for personnel operating the projectors. Traditional projectionists are often no longer employed in digital cinemas so the D-Cinema Screen Checker can give management or other operators a quick way of confirming the correct DCI light levels.

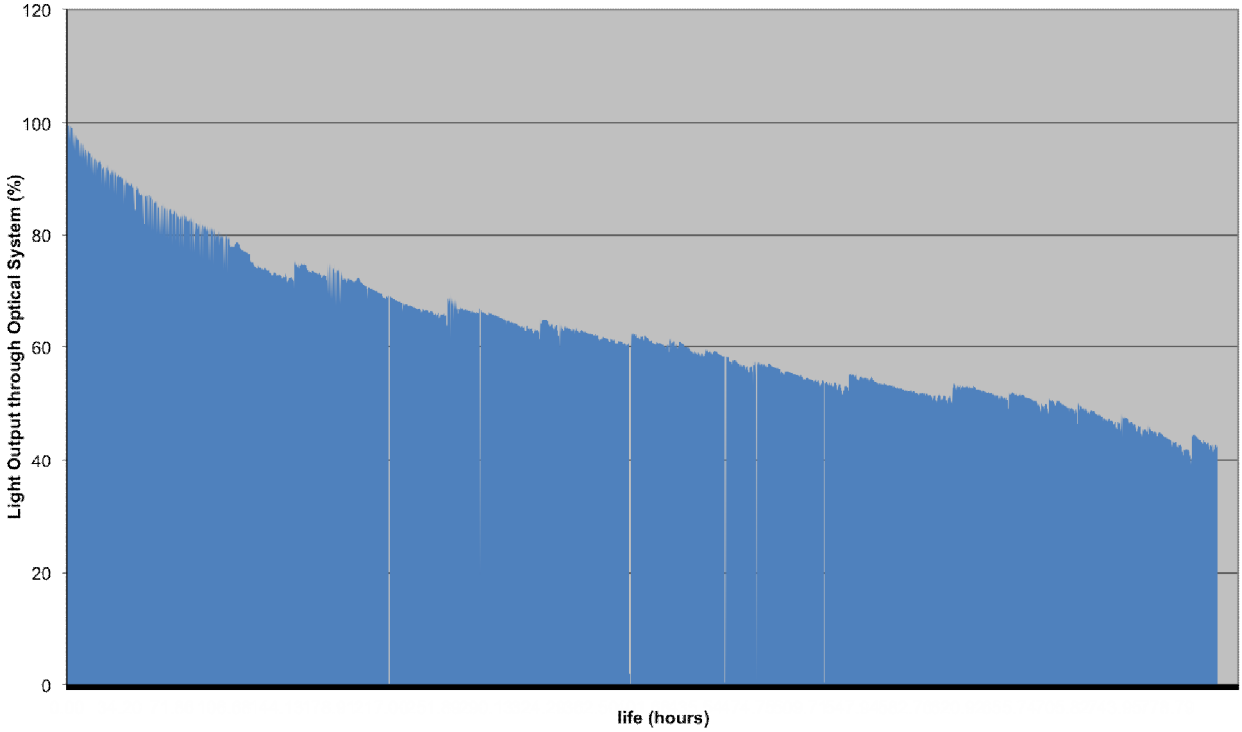
It must not be forgotten that while modern Theatre Management Systems can feed back a lot of information about the projector, they cannot determine the light output reflected from a screen.

The light output from Xenon lamps does degrade over time, so it is essential that the digital projectors lamp current is increased periodically to maintain light output. The D-Cinema Screen Checker is an easy way to confirm this. D-Cinema Screen checker can also be used to calibrate older 35mm screens.

To Take a Screen reading:

- Switch off all house lights and side lights, Screen Checker can detect stray light
- Project white light (test pattern) on screen
- Position yourself centrally in the auditorium and ¾ back from the screen
- Align the units optical viewer with the centre of the screen
- Press the front panel button and record the reading
- Adjust the projector lamp output to give the required light levels on 2D and 3D
- If measuring 3D you must have any polarization filters in place on the projector and take measurements through the 3D glasses

Typical Xenon Lamp Degradation Curve, all Xenon lamps degrade over time



Specification

Size:	170 x 85 x 35mm
Weight:	300g
Battery life:	4 hours
Viewing angle:	4 degree
Tripod fixing	¼ inch
Auto shut down	2 minutes
Battery	9 Volt
Range	0 to 30ft/l (calibrated)
Turn on	touch button until display comes on
Turn off	hold down button until display goes out