



PURPOSE

This document provides instructions for maintaining and reporting projector light levels.

PROCEDURES

Managers must use the steps below to ensure proper light levels on screen.

Maintaining Proper Light Levels

- **Check** each auditorium's light level monthly, after xenon bulbs are changed, when a guest reports a dark image, and anytime low light level is suspected.
- **Check** DSSP daily for LSS alerts, *if LSS monitors are installed* (as described below).
- **Clean** the light path including the port glass, lens, and filter.
- **Ensure** 3D filters are not in place on 2D showingsⁱ.
- **Ensure** the 2D lens is in place, if projector is equipped with a lens tableⁱⁱ.
- **Perform** the luminance/light level adjustment, on Sony projectors (as outlined below).
- **Verify** the lamp is getting enough power to provide adequate light (typically 75-100%).
- **Change** the lampⁱⁱⁱ if lamp still does not reach appropriate level.
- If the lamp change does not improve light levels to necessary degree, **open** a DSSP ticket.

DSSP LSS Alerts

Theatres equipped with LSS monitors in each auditorium also have affiliated alerts in DSSP. These alerts provide specific suggestions for light level improvement. To review these, **click** on the **LSS Alerts** in the top Issue section when it is in **Red**. The appropriate messages will appear below – listed by auditorium.

Issues (08/24/17 03:29:58 PM)		
Issue		Cou
LSS Alerts		8
Digital Cinema HDD Space Issues		0
Digital Cinema Lamp Hours Issues		0
Tickets LSS Alerts Monitor ×		
DC LSS Alerts (08/24/17 03:30:01 PM)		
Auditorium	Problem	TS
= Level: LSS (8 Alerts)		
1	4200W lamp should be used in a 3D Sony auditorium. Change lamp. (Reading: 8.56; Lamp Hours: 328)	8/24/2017 12:25:00 PM
2	Low lamp hours. Low light. Try re-running the lamp calibration. (Reading: 6.34; Lamp Hours: 790)	8/24/2017 12:25:00 PM
4	Low lamp hours. Low light. Try re-running the lamp calibration. (Reading: 3.89; Lamp Hours: 70)	8/24/2017 12:25:00 PM
6	Low lamp hours. Low light. Try re-running the lamp calibration. (Reading: 8.22; Lamp Hours: 645)	8/24/2017 12:25:00 PM
9	Lamp hours fairly high. Try checking lamp. (Reading: 6.36; Lamp Hours: 657)	8/24/2017 12:25:00 PM
10	Verify light readings and check lamp (Reading: 8.93; Lamp Hours: 1159)	8/24/2017 12:25:00 PM
11	Low lamp hours. Low light. Try re-running the lamp calibration. (Reading: 7.21; Lamp Hours: 746)	8/24/2017 12:25:00 PM
12	Verify light readings and check lamp (Reading: 7.12; Lamp Hours: 600)	8/24/2017 12:25:00 PM



Projection Light Levels

AMC ☒ AMC Classic ☒ AMC Dine In ☒

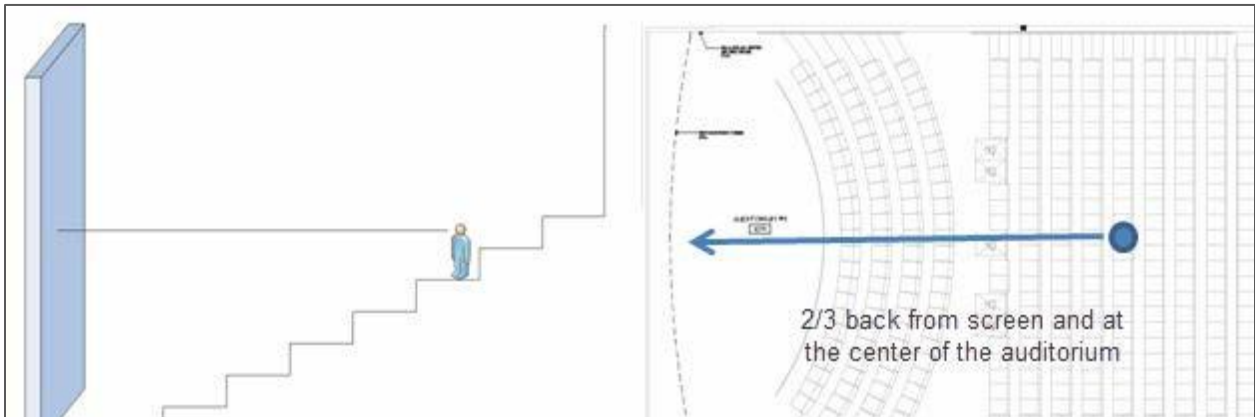
Light Level Adjustments (Weekly)

1. **Log** into the PJT under the projection account.
2. **Click** Menu > Maintenance > Projector.
3. Under Luminance Adjustment, **click** the “Adjust” button. Light level calibration will take approximately 5 to 10 minutes. No light will be shown on screen.



Auditorium and projector preparation

1. **Ensure** that the Xenon lamp is on for at least 15 minutes prior to taking light readings.
2. **Download** the Light Reading SPL using the [DSC White Light DCP](#).
3. **Record** lamp power percentages for flat and scope as well as bulb hours.
4. **Ensure** that theatre lights are at feature level.
5. **Ensure** consistent positioning in auditorium for each light reading. Light readings must take place from the row approximately 2/3 back from the screen that allows aim at the checker at the vertical and horizontal center of the screen. Readings must be taken from the middle of that row.



Sony SRX Projector Systems Procedures

1. **Log** in to the PJT.
 - a. **Username:** SHOWMGR
 - b. **Password:** 4151
2. **Select** Prepare Auditorium to turn on the lamp.
3. **Wait** 15 minutes to allow lamp to reach optimum brightness.
4. **Move/rotate** Real D filters from in front of the lens for 3D projectors.
5. **Select** Menu > Maintenance > Projector > Adjust. A popup menu will state “Luminance calibration will take some time, do you want to continue?”. **Click** Yes.
6. **Wait** approximately 5 minutes for the calibration to complete.
7. **Start** the light reading SPL.
8. **Lower** the house lights to feature level and proceed to the designated position in the auditorium.
9. **Press** Power On located below the digital readout.



10. **Align** the top and bottom of the screen figure within the inside corners of the optical view finder as shown.



11. **Record** the light value for each format as reported on the Luminance LED window. The SPL will change between formats and function automatically (Flat and Scope).
12. **Reinstall** 3D lens for 3D projectors.
13. **Hold** a lens from a pair of 3D glasses in front of the Digital Screen Checker; **hold** the glasses in the same orientation they would be worn.
14. **Repeat** procedure (steps 9 and 10).

Christie CP2220/CP2230 Projector Systems

1. **Select** the green power button in the upper right corner of the Touch Panel.
2. **Wait** 2-3 minutes for the system to come out of standby mode.
3. **Select** the yellow lamp button to strike the lamp.
4. **Wait** 15 minutes to allow the lamp to reach optimum brightness.
5. **Move** the polarizer from in front of the lens.
6. **Start** the light reading SPL.
7. **Lower** the house lights to feature level and proceed to the designated position in the auditorium.
8. **Press** Power On located below the digital readout.
9. **Align** the top and bottom of the screen figure within the inside corners of the optical view finder.



10. **Record** the light value for each format as reported on the Luminance LED window. The SPL will change between formats and function automatically (Flat and Scope).
11. **Move** the polarizer box back in front of the lens.
12. **Hold** a lens from a pair of 3D glasses in front of the Digital Screen Checker; **hold** the glasses in the same orientation they would be worn.
13. **Repeat** procedure (steps 7 and 8).

ⁱ [SS-6-20, 3D Filter Operation](#)

ⁱⁱ [SS-6-15, Lens Table Operation](#)

ⁱⁱⁱ [SS-6-05, Xenon Bulb Procedures](#)