

# Photosensitive Notification Recommendations

## Show-Light® Entertainment System

Musco's Show-Light® entertainment system brings excitement to games and events at your facility – helping to celebrate big plays and community pride. This system is enhancing the game day experience at installations around the world. While light shows and theatrical lighting displays enhance events at your facility, they must be programmed and used responsibly to reduce the risk to individuals with photosensitive medical conditions.

## Photosensitive Medical Conditions

Musco takes the safety of our lighting solutions seriously and conducts ongoing research into areas of potential concern. Our entertainment light shows are designed to minimize factors like flicker, glare, intensity of the light source, and flash rate. These factors can trigger photosensitive epilepsy for about 3% of people with epilepsy according to the Epilepsy Foundation (<https://www.epilepsy.com/what-is-epilepsy/seizure-triggers/photosensitivity>).

Current medical research suggests the flash rate most likely to cause potential issues is between 5 to 30 flashes per second. However, there are rarer occurrences where a broader range of 3 to 60 flashes per second may cause a seizure. Our standard programming for a Show-Light system operates each luminaire at less than 3 flashes per second, which is below the frequency most likely to trigger a seizure. For Musco lights which connect into a DMX system provided by others, please share this information with the light show programmer.

## Recommendations

To help ensure the experience at your facility is enjoyable to all fans and players, please consider the following recommendations. You should review all notifications with your legal representative to ensure you're meeting local guidelines:

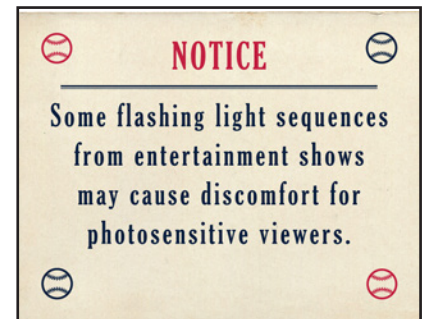
1. Post notices on your website and signage where it's visible to fans and players with wording such as:

*Some flashing light sequences from entertainment shows may cause discomfort for photosensitive viewers*

or

*Please be advised that with each home team goal a coordinated music & light show will follow. It does contain bright, flashing lights that may cause discomfort and/or seizures for photosensitive viewers*

2. Make announcement prior to or during the event
3. Direct people to their doctor and the Epilepsy Foundation for coping guidelines for those with sensitivity <https://www.epilepsy.com/what-is-epilepsy/seizure-triggers/photosensitivity>



## Further Research and Questions

Musco takes the safety of our lighting solutions very seriously and we'll continue to work with our partners to research areas of concern.

If you have a specific issue or question, please contact [lighting@musco.com](mailto:lighting@musco.com) or 800-825-6030.