



Example of Reference Rational

Taken from a proposal submitted by Layne Wood, OTS Jane Krentel, OTS Hon Yuen, PhD, OTR/L Gavin R Jenkins, PhD. OTR/L. ATP presented at the 2021 ALOTA Fall Conference & Retreat (September 12, 2021)

The references were selected after a thorough literature review of what is currently written on the effects of lighting within a classroom environment. The most dated reference is a paper published in 1977. It is an article from the Journal of Research in Personality written by Russel and Mehrabian. We selected this article because it focused on the three independent dimensions, pleasure, arousal, and dominance, that are used to properly define emotional states. These are the same three key outcome measures of focus that we employed to investigate the effect of filtered lighting on students' emotions. The major recurring themes from other selected references included studies on the most optimal classroom environment, elementary schools and classroom lighting, cognitive effects on classroom lighting, and emotional evaluation of how lighting impacts college students in a classroom. Although the references included within the paper seem diverse in nature, they have one common underlying factor: lighting. When conducting our literature review, we found that there was a plethora of data on lighting, classroom environments, and conditions in which students most optimally perform. However, there was a substantial lack of research done in students' emotional responses with filtered lighting in a classroom setting. Most of the literature involving "emotional responses" looked only at fluorescent versus LED lighting. None of the studies took into consideration students' emotional responses of pleasure, arousal, and dominance with different light filters.