



*Solid State Lighting  
an Owners Perspective*



# Office Overview

- NC State Construction Office provides:
  - FCAP - Facilities Condition Assessment Program
    - *What do you need and what will it cost*
  - Contract Administration
    - *Lets find a qualified designer*
  - Design Review
    - *Design must meet codes*
    - *Design must be in budget*
    - *Consider 1<sup>st</sup> cost and maintenance*
  - Construction Administration
    - *Monitor the expenditure of the funding*



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  - Colors are changing
  - Maintenance issues



*Did we create the problem?*



# *Interaction Consideration of LED lighting systems*

## The Problem:

- A number of facilities in the state have large LED lighting systems. The state has experienced what appears to be an abnormally high failure rate of LED luminaires in a few of these facilities.

## Questions:

- Are there standards for warranty protection?
- Who should provide the deconstruction review of the failed LED drivers from the facilities?
- Are there standards for system surge protection?
- Are there specific recommendations for facilities that are looking to deploy large LED lighting loads? Is there a difference for a new building vs renovation?





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