Part 1 – General

- Provide lighting fixtures, lamps and ballasts as indicated.
- Reference: The University Lighting Master Plan for design intent, performance metrics and standards, and LEED/Sustainability Principles.
  - The specific fixture recommendation included in the Lighting Master shall be used only after confirming with the University, as many of the recommendations in the Plan have since been updated and modified.

Part 2 – Product

- Fluorescent Fixtures:
  1. The University preference is 4’ long T8 fixtures. 2’ fixtures shall not be used in the project.
  2. T5 fixtures shall be used only with prior written approval from the University Energy Office.
  3. Ballasts for Linear Fluorescent Fixtures:
     a. Ballasts for 4’ T8 lamps must meet the requirements for high efficiency T8 system as specified by the Consortium for Energy Efficiency.
     c. Dimming: Use of dimming ballasts is not allowed without prior written approval from the University Energy Office.
  4. Lamps:
     a. Lamps must have longer life, higher lumens, and low mercury levels and meet the requirements for high efficiency T8 system as specified by the Consortium for Energy Efficiency.

- Solid State Lighting Fixtures: The campus standard for exterior pedestrian pathway fixtures is Cooper Mesa Invue LED Fixture model MSA-B02-LED-xx-Tx-BZ. The University encourages the use of LED fixtures for interior and exterior applications. However, such fixtures must be approved by the University Energy Office.

- Incandescent Lamps: Incandescent lamps including tungsten halogen lamps shall not be used in the project.

- Submittals: Provide photometric layout and lighting power density calculations for interior and exterior spaces.

Part 3 – Execution

- Match existing system including fixtures, ballast and lamps for the following spaces:
  - Lighting in classrooms and offices with vaulted ceiling shall match existing lighting in classrooms and offices that were installed as part of the NYPA Lighting Upgrade project in 2011-12 unless otherwise directed by the campus. Fixtures shall be custom made.
  - Building mounted exterior lighting shall match the box lights with LED lamps installed on the Podium buildings.
• All exterior lighting fixtures including pedestrian pathway, roadway, parking lot and building-mounted exterior lighting must be controlled via Siemens PXC controller and report to the existing Siemens head end for remote scheduling.