

**WVU DESIGN GUIDELINES & CONSTRUCTION STANDARDS**  
**DIVISION 26 – ELECTRICAL**

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**SECTION 265100 – INTERIOR LIGHTING**

**PART 1 - GENERAL**

- 1.1 Any deviance from the following instructions must be approved during design by WVU Facilities Management.

**PART 2 - PRODUCTS**

- 2.1 The 4' Sylvania T8 FO32/741/ECO lamp is not allowed for use at WVU due to these lamps not meeting upcoming energy standards.
- 2.2 The Sylvania T8 U-bend, FBO32/741/6/ECO is not allowed for use at WVU due to these lamps not meeting upcoming energy standards.
- 2.3 All fluorescent lamps shall be: T-5's or T-8's with electronic ballasts, a Correlated Color Temperature, (CCT) in the range of 4100 to 6500 K, a Color Rendering Index, (CRI) of no less than 80, and a minimum 25,000 hour life at 12 hours/start. The Scotopic/Photopic ratio shall not be less than 1.75. Dimmable electronic ballasts will be used in classrooms, lecture halls, and conference rooms.
- 2.4 CTEC Classrooms
- A. Use vacancy sensors versus occupancy sensors.
  - B. Use Day-Brite Lighting, Arioso line, direct/indirect style of lighting fixture. Use of the CF55 lamp is preferred.
- 2.5 The use of occupancy sensors is encouraged if sensor is specified by manufacturers and models. For safety, in public areas, a minimum number of fixtures to provide 5 foot candles will not be controlled by occupancy sensors. Sensor types will be scheduled.
- 2.6 Generator rooms and main electrical rooms shall have emergency lighting powered by battery packs.
- 2.7 Battery packs will not be used in buildings with generators unless required by code or as noted above.
- 2.8 Usage of incandescent lamps is greatly discouraged while usage of fluorescents and LED's are encouraged.

**PART 3 - EXECUTION**

- 3.1 Light fixture location and height shall consider ease of replacement and maintenance.

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3.2 A reflected ceiling plan is required on all projects.

END OF SECTION 265100