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.
3.2 A reflected ceiling plan is required on all projects.

END OF SECTION 265100