

# Performance Specification for Class Pack CPES8<sup>1</sup>

## Instant Start/Step Dim

- Classroom lighting system in instructional mode shall deliver an average of 59 FC average maintained horizontal illuminance on student desk surface, an average of 24 FC minimum maintained vertical illuminance on front whiteboard, and shall consume less than (678/660) watts at 120/277Volts. Max/Min lighting variation shall be 1.8:1 or less on horizontal and 1.4:1 or less on vertical.
- Classroom lighting system in A/V mode shall deliver an average of 27 FC average maintained horizontal illuminance on student desk surface, maximum of 6 FC maintained vertical illuminance on projection screen, and shall consume less than (272 Watts). Max/Min lighting variation shall be 3.6:1 or less on horizontal and 1.6:1 or less on vertical.
- Classroom lighting system shall be based on 2-lamp fixture, with (two step dimming capability). Lighting fixture shall be fabricated of code gauge steel coated with 93% reflective white polyester powder coat material. Mechanical shielding is provided with angled length blades, and linear faceted cross baffles. Contoured housing efficiently directs light downward. Lamp cutout maximizes shielding even in shallow plenum applications and softens light distribution to deliver a balanced amount of light to both vertical and horizontal surfaces. Louver shall be configured with 12 cells.
- Fluorescent lamps shall be rated High-Performance T8, CEE Qualified, 3100 lumen, 85 CRI, (3500K or 4100K), (25,000) hour or greater average lamp life based on 3 hours per start, provided with a 3 year replacement warranty for all lamps that fail.
- Fluorescent ballasts shall be NEMA premium, CEE Qualified, (instant start) type , UL listed type CC for arcing protection, anti-striation for flicker free operation, with (step dim capability for multi-level switching without switching lamps off ).
- Lamps shall be covered with a (3 year) replacement warranty. Ballast shall be provided with 5 year replacement warranty.
- Factory configured wiring system shall be allowed to be used for field labor and material reduction.

<sup>1</sup> Assumes 9 fixture 30x30 Classroom