

COLD CATHODE LIGHTING SPECIFICATIONS

System BNP-EX (standard-output ballast-operated cold cathode for export)

LAMPS: Shall be 50,000-hour, 25mm triphosphor-coated cold cathode, operating at 90 mA and producing 1274 lumens per meter (warm white 30TC). Manufacturer shall submit ITL photometric reports to substantiate.

LAMP HOLDERS: Shall be type BL (surface mounted) or type BL-R (recess mounted), white electrical porcelain in 20-gauge, white, powder-coated enclosures. Phosphor bronze clips within the lampholders shall serve to electrically connect and retain the lamp.

BALLASTS: Shall be CE approved, electronic type and be the models designated on the shop drawings. Ballasts shall be located within one meter of the lamps and shall be installed either within the cove or an accessible location. Ballast locations shall not exceed 40 degrees C. To avoid any electrical noise interfering with computer, public address, or telecommunication systems, all cold cathode ballasts shall be supplied from distribution transformers dedicated to lighting only. If distribution or isolation transformers are not available, cold cathode ballasts must be fed from a dedicated circuit with separate neutral wiring. Additionally, all cold cathode ballasts and associated conduits and wiring shall maintain a one-meter separation from any computer, public address, or telecommunications wiring and equipment. If ballast enclosures are mounted to a metallic surface, installing contractor may be required to provide a 4mm neoprene pad between the ballast enclosure and the mounting surface to avoid any potential harmonics.

WIRING AND CONDUIT: Cathode Lighting Systems Inc. shall provide 1000-volt ballast wire to be installed in strict accordance with the instructions on the shop drawings. Installing contractor shall provide conduit, conduit fittings, and earth wire. All components and installation methods provided by the installing contractor shall comply with all applicable national and local electrical codes.

SHOP DRAWINGS: Shall be CAD generated and shall be submitted for approval and future maintenance. Drawings shall show lighting layout, method of installation, and a complete bill of materials. Installing contractor is responsible for furnishing "as built" dimensions or full-sized patterns, as requested on the shop drawings.

DIMMING: System BNP-EX shall be furnished in a standard dimmable version, and specifier or contractor must verify with dimmer manufacturer that dimming gear is compatible for use with cold cathode ballasts.

MANUFACTURER: Cathode Lighting Systems Inc., Gaithersburg, MD, USA; (800) 551-5012.
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