REQUIREMENTS:

1. GENERAL:
   A. INTERPRET DRAWING IN ACCORDANCE WITH THE STANDARDS PRESCRIBED BY MIL-D-70327.
   B. SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS CONTAINED IN MIL-STD-4, CLASS 2.
   C. UNITS SHALL BE CAPABLE OF MEETING ALL QUALIFICATION REQUIREMENTS OF MIL-10020.
   D. PART MARKINGS: PARTS SHALL BE PERMANENTLY AND LEGIBLY MARKED, IN ACCORDANCE WITH MIL-4010, TERMINAL IDENTIFICATION AND MSA PART NUMBER (DRAWING NUMBER AND REVISION LETTER).
   E. PREPARATION FOR DELIVERY SHALL BE IN ACCORDANCE WITH MIL-100215, CLASS 1, CODE 4.

2. ACCEPTANCE AND INSPECTION (ION):
   A. MECHANICAL PROPERTIES:
      (1) DIMENSION: SHALL BE AS SHOWN.
      (2) SURFACE ROUGHNESS: 1.25 UNLESS OTHERWISE SPECIFIED.
      (3) LEGENDS: TO BE 1.25 IN BLACK CHARACTERS (Futura D1c1-bold) PER MIL-100210.
   B. ELECTRICAL CHARACTERISTICS:
      (1) LIGHT INTENSITY: 15 ± 3 FOOT-LAMBERTS MINIMUM INITIALLY WHEN EXCITED WITH 250 ± 10 V RMS, 800 ± 5 CPS.
      (2) POWER FACTOR: 0.35 MAXIMUM WHEN EXCITED PER 2.B.(1).
      (3) TOTAL CURRENT (ALL AREAS ENERGIZED PER 2.B.(1)): 11.0 MA MAXIMUM.
   C. DESIGN REQUIREMENTS:
      A. OPERATING LIFE: 2000 HOURS MINIMUM WITH A LOSS OF NOT MORE THAN 60% OF ORIGINAL LIGHT INTENSITY WHEN EXCITED PER 2.B.(1) AT 25°C.
      B. STORAGE LIFE: 1 YR MINIMUM WITHOUT LOSS OF ELECTRICAL PERFORMANCE AT 0°C TO +40°C.
      C. OPERATING TEMPERATURE RANGE: -55°C TO +45°C.
      D. ELECTROLUMINESCENT DISPLAYS SHALL BE HERMETICALLY SEALED.
      E. MATERIAL: ALUMINUM ALLOY.
      F. RATINGS:
         (1) LIGHT OUTPUT WAVELENGTH: 5100 ANGSTROMS (NOMINAL).
         (2) PEAK CONTINUOUS VOLTAGE: 420V MAX.
         (3) PEAK TRANSIENT VOLTAGE: 500V MAX.
   G. FINISH:
      (1) CHROMICATE TREAT PER MIL-C-5541 (AL CASE).
      (2) PAINT SURFACES MARKED "A" BLACK EPOXY ENAMEL MIL-P-27316.

PRODUCE ONLY FROM APPROVED SOURCES LISTED IN MIL-100234 FOR THIS DRAWING.