

**SURFACE AND LIGHTING FIXTURE RACEWAYS****PART 1      GENERAL****1.1            RELATED SECTIONS**

- .1            Section 01 33 00 – Submittal Procedures.

**1.2            REFERENCES**

- .1            Canadian Standards Association (CSA)
  - .1            CAN/CSA-C22.2 No. 62, Surface Raceway Systems.

**1.3            SUBMITTALS**

- .1            Indicate types of raceways with terminology similar to that used in this Section.
- .2            Provide manufacturer's printed product literature, specifications and datasheet and include product characteristics, performance criteria, physical size, finish and limitations.
- .3            Manufacturer's Instructions: submit manufacturer's installation instructions and special handling criteria, installation sequence and cleaning procedures.

**PART 2      PRODUCTS****2.1            SURFACE RACEWAY SYSTEM (WIRING PULLED IN)**

- .1            Steel: to CSA C22.2 No. 62, one piece, free of sharp edges.
- .2            Corners, pull boxes, elbows, tees, two piece assembly to facilitate site wiring.
- .3            Finish: buff enamel.
- .4            Necessary switch, receptacle, extension boxes, adapters and utility fittings required for complete installation.

**2.2            SURFACE RACEWAY SYSTEM (WIRING LAID IN)**

- .1            Steel: to CSA C22.2 No. 62, two piece.
  - .1            Finish: buff enamel.
- .2            Necessary switch, receptacle, extension boxes, adapters and utility fittings required for complete installation.

**2.3            SURFACE FLOOR RACEWAY SYSTEM**

- .1            Steel: to CSA C22.2 No. 62, two pieces, manufactured as lay-in type raceway.
- .2            Finish: buff enamel.

**SURFACE AND LIGHTING FIXTURE RACEWAYS****2.4 CHANNEL RACEWAY**

- .1 Channel type raceway: to CSA C22.2 No. 62, steel, perforated.

**2.5 PLASTIC RACEWAY**

- .1 Plastic raceway: to CSA C22.2 No. 62, rigid extruded polyvinyl chloride with slots on either side of raceway for exit of wiring.
- .2 Channel: with solid snap-on cover throughout entire length.

**2.6 LIGHTING FIXTURE RACEWAY**

- .1 Fluorescent fixture support system using channel type raceway with snap-on cover.
- .2 Channel: minimum 1.6 mm thick.
- .3 Clamp hangers with threaded rod.

**2.7 FITTINGS**

- .1 Elbows, tees, couplings and hanger fittings: to CSA C22.2 No. 62, manufactured as accessories to raceway supplied.

**PART 3 EXECUTION****3.1 INSTALLATION**

- .1 Install raceways before installation of wiring. Install covers for raceways and fittings after installation or wiring.
- .2 Install supports, elbows, tees, connectors, fittings, bushings, adaptors as required.
- .3 Keep number of elbows, offsets, connections to minimum.
- .4 Use wiring with mechanical protection in channel raceways.
- .5 Install barriers in raceways where different voltage systems are indicated.

**END OF SECTION**