

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