

PART 1 - General

1.1 RELATED SECTIONS

- .1 Section 26 05 01 – Common Work Results – Electrical.
- .2 Section 26 05 34 - Conduits, Conduit Fastenings and Conduit Fittings.
- .3 Section 26 99 99 – Commissioning.

1.2 REFERENCES

- .1 Canadian Standards Association (CSA International)
 - .1 CSA C22.2 No.141-10, Emergency Lighting Equipment

1.3 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit product data in accordance with Section 26 05 01, Item 1.6 Submittal.
- .2 Data to indicate system components, mounting method, source of power and special attachments.

1.4 WASTE MANAGEMENT AND DISPOSAL

- .1 See Section 01 74 21 Construction Demolition Waste Management.
- .2 Collect and separate plastic, paper packaging and corrugated cardboard in accordance with Waste Management Plan.
- .3 Fold up metal banding, flatten and place in designated area for recycling.

PART 2 - Products

2.1 SELF-CONTAINED BATTERY UNITS

- .1 Emergency lighting equipment: to CSA C22.2 No.141.
- .2 Supply voltage: Universal 120V to 347 V, AC.
- .3 Output voltage: 12V DC.
- .4 Operating time: 30 min.
- .5 Battery: sealed, maintenance free with ten year life warranty.

- .6 Charger: solid state, three stage, self diagnostic circuitry, voltage/current regulated, inverse temperature compensated, short circuit protected with regulated output of plus or minus 0.01V for plus or minus 10% input variations.
- .7 Solid state transfer circuit.
- .8 Low voltage disconnect: solid state, modular, operates at 87.5% battery nominal voltage.
- .9 Signal lights: solid state, for 'AC Power ON' and 'High Charge'.
- .10 Lamp heads: integral on unit or remote as indicated on the drawings, 345° horizontal and 180° vertical adjustment. Lamp type: MR16 LED, 12V, 6W.
- .11 Cabinet: suitable for direct to wall mounting and c/w knockouts for conduit termination, fully gasketed, cast aluminum back plate with clear heavy duty UV resistant polycarbonate cover, suitable for installation in high abuse and wet areas.
- .12 Finish: White.
- .13 Auxiliary equipment:
 - .1 Test switch.
 - .2 Battery disconnect device.
 - .3 AC input and DC output terminal blocks inside cabinet.
 - .4 Automated self diagnostic circuitry.

2.2 WIRING OF UNIT EQUIPMENT

- .1 Conduit: Type EMT, to Section 26 05 34 Conduits, Conduit Fastenings and Conduit Fittings.
- .2 Conductors: RW90 Type to Section 26 05 21 Wires and Cables 0 - 1000V, sized as indicated and in accordance with manufacturer's recommendations.

PART 3 - Execution

3.1 INSTALLATION

- .1 Install unit equipment.
- .2 Direct heads on to egress path.
- .3 Connect battery terminals.

END OF SECTION