

PART 1 - GENERAL

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| <u>1.1 REFERENCES</u> | .1 | Canadian Standards Association (CSA International)
.1 CSA C22.2 No.141-10, Emergency Lighting Equipment.
.2 CSA C860-07, Performance of Internally-Lighted Exit Signs. |
| | .2 | National Fire Protection Association (NFPA)
.1 NFPA 101-2009, Life Safety Code. |
| | .3 | International Organization for Standardization (ISO)
.1 ISO 3864-1, Graphical symbols - Safety colours and safety signs - Part 1: Design principles for safety signs in workplaces and public areas.
.2 ISO 7010, Graphical symbols - Safety colours and safety signs - Safety signs used in workplaces and public areas. |
| <u>1.2 ACTION AND INFORMATIONAL SUBMITTALS</u> | .1 | Provide submittals in accordance with Section 01 33 00. |
| | .2 | Product Data:
.1 Submit manufacturer's printed product literature, specifications and datasheet and include product characteristics, performance criteria, physical size, finish and limitations. |
| | .3 | Submit WHMIS MSDS - Material Safety Data Sheets in accordance with Section 01 35 29.06. |
| | .4 | Quality Assurance Submittals: submit following in accordance with Section 01 45 00.
.1 Instructions: submit manufacturer's installation instructions and special handling criteria, installation sequence, cleaning procedures and re-lamping procedures. |
| <u>1.3 WASTE MANAGEMENT AND DISPOSAL</u> | .1 | Separate waste materials for reuse and recycling in accordance with Section 01 74 20. |
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PART 2 - PRODUCTS

- 2.1 STANDARD UNITS
- .1 Exit lights: to CSA C22.2 No.141, ISO 3864-1 and ISO 7010.
 - .2 Housing: extruded aluminum housing.
 - .3 Face and back plates: extruded aluminum.
 - .4 Lamps: multiple - LED less than 1.8W 120 V over 500,000 hours.
 - .5 Operation: designed for over 100,000 hours of continuous operation without relamping.
 - .6 Graphics: Green pictogram and white graphical symbol and directional arrows in accordance with ISO 3864-1. Dimensions in accordance with ISO 7010.
 - .7 Face plate to remain captive for relamping.
- 2.2 DESIGN X1
- .1 Wall mounting.
 - .2 Single face with extruded aluminum face plate to remain captive for relamping.
 - .3 Arrow: direction as indicated.
- 2.3 DESIGN X2
- .1 Ceiling mounting.
 - .2 Double face with extruded aluminum face plate to remain captive for relamping.
 - .3 Arrow: direction as indicated.
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PART 3 - EXECUTION

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| <u>3.1 MANUFACTURER'S INSTRUCTIONS</u> | .1 | Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets. |
| <u>3.2 INSTALLATION</u> | .1 | Install exit lights to manufacturer's recommendations, listing requirements, NFPA standard and local regulatory requirements. |
| | .2 | Connect fixtures to exit light circuits. |
| | .3 | Ensure that exit light circuit breaker is locked in on position. |
| <u>3.3 CLEANING</u> | .1 | Proceed in accordance with Section 01 74 11. |
| | .2 | On completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, tools and equipment. |