

# GUIDE TO **SPECIFYING** EKTOR'S NEW GENERATION EMERGENCY **LUMINAIRES**

This document is a guide only and should be used in conjunction with a comprehensive Emergency Lighting and Exit Specification. This specification is not intended to completely replace an existing specification and should only be used to complement your detailed specification.

## GENERAL REQUIREMENTS

Emergency luminaires shall be Ektor branded and comply with the requirements of AS2293.3:2005.

## EMERGENCY LUMINAIRE SPECIFIC REQUIREMENTS

All emergency luminaires shall:

- Be of the self-contained type.
- Provide a green charge indicator LED (Light Emitting Diode).
- Provide a status indicator LED (Light Emitting Diode) which shall provide battery and lamp feedback.
- The emergency luminaire shall be Ektor Branded, or other approved manufacture, and be designed for a 10 year lifetime including the electronics and Light emitting diodes.
- Incorporate Lithium batteries with a design life of ten (10) years when operated in accordance with manufacturer's directions and specification.
- Be tested to comply by a mutually recognised testing laboratory to the relevant scope of AS/NZS 60598.2.22:2005.
- Be tested to comply by a mutually recognised testing laboratory to the relevant scope of AS/NZS CISPR 15:2011.
- Be tested to comply by a mutually recognised testing laboratory to the relevant scope of AS/NZS IEC 61347.2.13:2013.
- Be classified by a mutually recognised tested laboratory in accordance with AS 2293.3-2005.
- Be tested in accordance with AS 2293.3-2005 with respect to Thermal/Duration, and Photometry.
- Plastic parts such as cases, diffusers and bodies shall be made of polycarbonate plastic.
- Manufactured by a ISO 9001:2008 certified facility.
- Incorporate a soft start charger function.

## BATTERY SPECIFIC REQUIREMENTS

- Batteries for single point Emergency luminaries shall be of a Lithium Ion Phosphate type with a maximum cell temperature not less than 60°C.
- The design life of the batteries and their application in the emergency and exit luminaire shall be ten (10) years at a cell temperature of 45°C.
- Battery packs must incorporate battery protection (for over voltage in charge, low voltage protection and over current in discharge) and shall be labelled with date of manufacture, amp hour (Ah) rating and replacement part number