

LIGHTING ON CONSTRUCTION SITES IN VICTORIA

This alert has been developed to ensure that all construction sites are aware of the lighting requirements from AS/NZS 3012 Electrical Installation - Construction and Demolition sites.

Recently a number of instances have arisen where inappropriate lighting fixtures have appeared on building sites.

PICTURE 1

1. The light fitting has a 160watt globe installed in a 150watt maximum fitting.
2. The mechanical protection AS/NZS 3012 Clause 2.7.2 Mechanical Protection, also fails to adequately protect the lamp as the bottom is exposed.
3. The light also has the ability to be wired in a festoon arrangement and AS/NZS 3012 2.7.6 Festoon Lighting (b2), requires that the fitting be extra low voltage.

PICTURE 2

1. This light fitting is a 1500watt that was installed at a height of approximately 1.6 metres. AS/NZS 1680.1-2006 Section 8, talks about placing lights where glare does not cause discomfort.
2. The mounting of this light at this low height may also pose a risk of burns if touched.
3. AS/NZS 3012-2010 Clause 2.7.7(c) also talks about portable luminaries having adequate stability.

RECOMMENDED MINIMUM LIGHTING LEVELS AS/NZS 3012 ARE;

- 40 lx walkways
- 160 lx general areas
- 20 lx battery backup for 1 hour emergency lighting.

(see table 3.1 AS/NZS 1680:1 for further advice).

It is the position of the ETU that these recommendations should be followed in the interest of safety and these lights be removed from site.



PICTURE 1



PICTURE 2