Electricians

There is no formal colour vision standard for electricians in New South Wales, however, individual employers may have their own requirements.

It is recommended that prospective electricians are tested to see if they have colour vision sufficient to distinguish the colours of cables before entering training. The cable colours are red, green, green/yellow, black and light blue.

It has been shown that a person can still perform electrical work in a suitable and safe manner while possessing a certain degree of colour confusion. However, it is important that a reduced ability to discern colours be detected as early as possible in a person's career, in order to avoid unreal expectations.

People with moderate to severe CVD should and be advised of the difficulties they will encounter because of their colour vision deficiencies and counselled to consider another career.

The D-15 test has generally been shown to predict safe performance with the gross colour codes used in electrical work however the Ishihara test may be applied.