

**Body Protected Electrical Area - Routine Inspection Checklist**
**Address:** 123 High Street, Lilydale VIC 3140

Clause	Requirement	Pass	Fail	N/A
8.2.1.1	<p><b>INSPECTION</b></p> <p>All electrical equipment and fittings in good condition</p>	✓		
8.2.1.2	<p><b>LABELLING</b></p> <p>Circuit identification visible and intact on each</p> <p>Protected points labelled as to which RCD protects them</p> <p>Circuit identification visible and intact on each LIM</p> <p>Protected points labelled as to which LIM monitors them</p> <p>Overload monitors labelled with alarm setting</p> <p>Socket-outlets protected by RCD labelled 'RCD PROTECTED'</p> <p>Socket-outlets protected by isolating transformers labelled 'ISOLATING TRANSFORMER PROTECTED'</p> <p>Socket-outlets intended for cleaning purposes labelled 'CLEANING PURPOSES ONLY'</p> <p>Body-protected electrical area sign:</p> <p>    a) Still visible</p> <p>    b) Labelled with current inspection date</p> <p>    c) Labelled with identity of authorised person</p> <p>    d) Labelled with next test date</p>	<p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p>		<p>✓</p> <p>✓</p>
8.2.1.3	<p><b>SOCKET OUTLETS</b></p> <p>8.2.1.3.1 Socket-outlets coloured according to type of supply</p> <p>8.2.1.3.2 If RCD protected, power-available indicator operational</p> <p>Number of socket-outlets and permanently wired electrical equipment protected by RCD does not exceed 12</p>	<p>✓</p> <p>✓</p> <p>✓</p>		

	<p>On/Off luminous indicators operational, if applicable</p> <p>Socket-outlets double-poled if protected by a transformer-isolated supply</p> <p>All socket-outlets below 2.3m protected by LPD</p> <p>Confirm that when a fault is applied to each socket-outlet within patient area or within 2.0m of entrance of the patient area, the RCD trips</p> <p>Confirm that when a fault is applied to each socket-outlet within patient area or within 2.0m of entrance of the patient area causes a response on LIM</p>	<p>✓</p> <p>✓</p> <p>✓</p>		<p>✓</p> <p>✓</p>
8.2.2	<p><b>EARTHING</b></p> <p>Confirm that the earth pins on all socket-outlets below 2.3m are earthed to less than 1.0 <math>\Omega</math></p> <p>Confirm that the earth pins on all socket-outlets within 2.0m of entrance to patient area are earthed to less than 1.0 <math>\Omega</math></p> <p>Confirm that all socket-outlets used by medical electrical equipment accessible above 2.3m are earthed to less than 1.0 <math>\Omega</math></p> <p>Confirm that all permanently wired electrical equipment with conductive parts below 2.3m are earthed to less than 1.0 <math>\Omega</math></p>	<p>✓</p> <p>✓</p> <p>✓</p>		<p>✓</p>
8.2.3.2	<p><b>RCD SENSITIVITY FOR AUSTRALIA</b></p> <p>Confirm that the RCD trips between 4.5-10.5mA</p> <p>Record the RCD sensitivity: Refer Test report DW191120</p>	<p>✓</p>		
8.2.3.3	<p><b>RCD TRIPPING TIMES FOR AUSTRALIA</b></p> <p>Confirm this by carrying out at least two such tests</p> <p>Record the worst case: Refer Test Report DW191120</p>	<p>✓</p>		
8.2.3.5	<p><b>RCD SUPPLY AVAILABLE INDICATOR LIGHTS</b></p> <p>If applicable, confirm that they are operational</p>	<p>✓</p>		

8.2.3.6	<b>AUDIOVISUAL RCD TRIP INDICATORS</b>  If applicable, confirm that they are operational	✓		
8.2.4.1	<b>PROSPECTIVE HAZARD CURRENT</b>  Confirm that the hazard current is below 2.00mA  Record hazard current ..... mA  For routine testing, the PHC under normal conditions of operation shall be verified by applying the following process to each transformer Line Isolation Overload Monitor (LIOM):  (a) All electrical equipment are disconnected from the supply. (b) The current flowing through a low impedance ammeter connected between one isolated supply and conductor is noted, The test is repeated for the other isolated supply conductor. The larger of the noted values is the prospective hazard current. It shall be less than 2mA. (c) The prospective hazard current of the supply is recorded in the commissioning checklist.			✓
8.2.5	<b>OVERLOAD MONITORS</b>  Confirm that a load of 110-120% of transformer rated current causes the alarm to activate in 3-5 s			✓
8.2.6	<b>UNINTERRUPTIBLE POWER SUPPLIES</b>  Confirm that the UPS status indicator performance is routinely verified			✓

**Date of inspection:** 19<sup>th</sup> November 2020

**Name of organisation:** Illumination Systems Australia Pty Ltd

**Name of person undertaking test:** John Smith