

Electrical & Electronics Laboratory

Testing Facilities

Product Testing

a) Electric Appliances

No	Products	Sri Lanka Standard	International Standards
1	Appliances for heating liquids	SLS 1501:2019	IEC 60335-2-15 : 2018
2	Electric fans and regulators	SLS 814: Part 1: 1988 AMD No. 1: 2021 SLS 814: Part 2: 2016	IEC 60879: 1988 IEC 60335-2-80: 2015
3	Grills, toasters and similar portable cooking appliances	SLS 1495: 2022	IEC 60335-2-9: 2019
4	Electric immersion water heaters	SLS 1193: 2015	IEC 60335-2-74: 2009

b) Electric Cables & Wiring Accessories

No	Products	Sri Lanka Standard	International Standards
1	PVC insulated and PVC sheathed cables for voltages up to and including 300/500 V, for electric power and lighting.	SLS 733: 2016	BS 6004: 2012
2	Low voltage energy cables of rated voltages up to and including 450/750 V (U ₀ /U) - Flexible cables with thermoplastic PVC insulation	SLS 1504-2-11: 2015	BS EN 50525-2-11: 2011
3	Low voltage energy cables of rated voltages up to and including 450/750 V (U ₀ /U) - Single core non-sheathed cables with thermoplastic PVC insulation	SLS 1504-2-31:2015	BS EN50525-2-31 :2011
4	Armoured electric cables having thermosetting insulation 600/1000 V and 1900/3300 V	SLS 1186: 2021	BS 5467: 2016
5	PVC insulated electric cables - Armoured cables for voltages of 600/1000V and 1900/3300 V	SLS 987: Part 1: 2010	BS 6346: 1997: AMD No. 1: 2004
6	PVC insulated electric cables - Non armored cables for voltage upto and including 600/1000V	SLS 987: Part 2: 2010	BS 6346: 1997: AMD No. 1: 2004
7	Cables for road vehicles – 60 V and 600 V single core cables copper conductor cables	SLS 412-Part 1-Sec.1 :2020	ISO 6722-1: 2011
8	Cables for road vehicles 60 V and 600 V single core cables aluminium conductor cables	SLS 412-Part 1-Sec.2 :2020	ISO 6722-2: 2013

9	Aluminium conductors for overhead power transmission purposes	SLS 750: 2017 (Reaffirmed)	BS 2627: 1970
10	Cable trunking made of insulating material	SLS 1206: 2000	BS 4678 Part 4: 1982
11	Conduit systems for cable management – General Requirements	SLS 993 Part 1: 2018	IEC 61386-1: 2008 + AMD 1: 2017
12	Conduit systems for cable management - Rigid conduit systems	SLS 993 Part 2: 2013	IEC 61386-21: 2002
13	Conduit systems for cable management - Pliable conduit systems	SLS 993 Part 3: 2013	IEC 61386-22: 2002
14	Conduit systems for cable management - Flexible conduit systems	SLS 993 Part 4: 2013	IEC 61386-23: 2002
15	Bayonet lampholders	SLS 138: 2021	IEC 61184: 2019
17	Circuit breakers for overcurrent protection for household and similar installations	SLS 1175: 2021	IEC 60898-1: 2015 AMD 1: 2019
18	Residual current operated circuit – breakers without integral overcurrent protection for household and similar uses (RCCB's)	SLS 1099-1: 2015	IEC 61008-1: 2013
19	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	SLS 1022-1:2015	IEC 61009-1: 2010 +A1: 2012 + A2: 2013
20	Switches for household and similar fixed electrical installations- General Requirements	SLS 1000 Part 1: 2021	IEC 60669-1: 2017
21	13 A fused plugs (Rewirable and non-Rewirable)	SLS 734: Part 1: 2017 + AMD 518	BS 1363-1: 2016
22	13A Switched and unswitched socket-outlets	SLS 734: Part 2: 2017 + AMD 519	BS 1363-2: 2016
23	Adaptors	SLS 734: Part 3: 2017 + AMD 520	BS 1363-3: 2016

c) Energy Efficiency Rating Tests

No	Products	Sri Lanka Standard	International Standards
1	Energy efficiency rating for fluorescent lamp ballasts	SLS 1200: 2012	
2	Energy efficiency rating for self- ballasted integral type CFL lamp	SLS 1225: 2016	
3	Minimum energy performance for self-ballasted integral type led lamps	SLS 1530: 2016	
4	Energy efficiency rating for electric ceiling fans with regulators (1400 mm)	SLS 1600: 2011	

d) Energy Storage Devices

No	Products	Sri Lanka Standard	International Standards
1	Primary cells and batteries - General requirements	SLS 1198: Part 1: 2016	IEC 60086-1: 2015
2	Primary cells and batteries - Specification sheets	SLS 1198: Part 2: 2016	IEC 60086-2: 2015

e) Lighting Products

No	Products	Sri Lanka Standard	International Standards
1	Self-ballasted LED lamps by voltage > 50 V (safety requirements)	SLS 1458: Part 1: 2013 AMD No 1: 2016	IEC 62560: 2015
2	Self-ballasted LED lamps by voltage > 50 V (Performance requirements)	SLS 1458: Part 2: 2014 AMD No 1: 2016	IEC 62612: 2018
3	Self-ballasted CFL lamps (Performance requirements)	SLS 1231: Part I: 2021	IEC 60969: 2016
4	Self-ballasted CFL lamps (safety requirements)	SLS 1231: Part 2: 2016	IEC 60968: 2015
5	Tungsten filament lamps For domestic	SLS 984: Part 1: 2018 SLS 984: Part 2: 2018	IEC 60432-1: 2012 IEC 60064: 2005
6	Glow starters for tubular fluorescent lamps	SLS 1260: 2003 + AMD 1: 2007	IEC 60155: 1993 + AMD 1: 1995 + AMD 2: 2006
7	Ballasts for tubular fluorescent lamps - General and safety requirements	SLS 1150: Part 1: 2009	IEC 61347-2-8

The laboratory is Accredited for Self – Ballasted LED lamps and Self – Ballasted Integral Type Compact Fluorescent Lamps and LED lamps.



ISO/IEC 17025

TL 016 - 04

Certificate of Accreditation

(<https://slsi.lk/web/wp-content/uploads/2023/01/FinalCertificate-TL-016-04-SLSI-Electric-photometric.pdf>)

Scope of Accreditation

(https://slsi.lk/web/wp-content/uploads/2023/01/Scope_TL-016-04-Photometry-Unit-of-Electrical_Electronic-Lab-SLSI.pdf)

