



Valid from 12 February 2023
To 11 February 2026
Issued on 21 July 2023

As an accredited laboratory, this laboratory is entitled to use the following accreditation symbol.



ISO/IEC 17025
TL 016-04

Schedule of Accreditation

Accreditation Scheme for Testing Laboratories
Sri Lanka Accreditation Board for Conformity Assessment
Accreditation Number: TL 016-04

**Photometry Unit of Electrical and Electronic laboratory
Sri Lanka Standards Institution
No 02, Kynsey Road,
Colombo - 08**

Scope of Accreditation: : Performing Electrical and Photometric tests on CFL and LED lamps as per SLS methods appearing in this schedule.

The laboratory is accredited for the following tests as per given in the page 02 of 02.

SI	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed (eg: xxx: 2016)	Range of testing/ Limits of detection
01	Self-ballasted integral type Compact Fluorescent Lamps(CFL)	Current	SLS 1231: Part 1:2002 + A1(AMD 321:2005) + A2(AMD 392:2009) + A3 (AMD 417:2011) + A4 (AMD.461:2014): Performance Requirements	10 mA-500 mA
		Wattage		2 W - 60 W
		Power Factor		0-1
		Luminous Flux		50 Lm-5000 Lm
		Chromaticity Coordinates (CIE)		CIE 1931 x & y chromacity space
		Color Rendering Index (CRI)		Up to 100
		Correlated Color Temperature (CCT)		As computed by the system based CIE Chromacity space
		Standard Deviation of Color Matching (SDCM)		As computed by the system based on Chromacity space and CCT
		Harmonics Measurements	SLS 1231: Part 1:2002 + A1(AMD 321:2005) + A2(AMD 392:2009) + A3 (AMD 417:2011) + A4 (AMD.461:2014): Performance Requirements	1 st - 39 th (fundamental-50 Hz)
02	Self-ballasted integral type LED lamps	Wattage	SLS 1530 :2016 (Minimum Energy Performance)	2 W- 60 W
		Current		10 mA-500 mA
		Power Factor		0 -1
		Luminous Flux		50 Lm-5000 Lm
		Chromaticity Coordinates (CIE)		CIE 1931 x & y chromacity space
		Correlated Color Temperature (CCT)		As computed by the system based on Chromacity Space
		Standard Deviation of Color Matching (SDCM)		As computed by the system based on Chromacity Space and CCT
		Color Rendering Index (CRI)		Up to 100
		03		Self-ballasted LED lamps
Current (Initial)	10 mA-500 mA			
Displacement Factor (Initial)	0 -1			
Luminous Flux (Initial)	50 Lm-5000 Lm			
Chromaticity Coordinates (CIE) (Initial)	CIE 1931 x & y chromacity space			
Correlated Color Temperature (CCT) (Initial)	As computed by the system based on Chromacity Space			
Standard Deviation of Color Matching (SDCM) (Initial)	As computed by the system based on CCT			
Color Rendering Index (CRI) (Initial)	Up to 100			