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

Valid from 18 January 2023
To 11 February 2023
Issued on 04 February 2023

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, AMD methods appearing in this schedule.

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

Sl	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)	SLS 1225: 2016 (Energy Efficiency Rating)	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	1st - 39th (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	Lamp Power (Initial)	SLS 1458:Part 2:2014 + A1(AMD 480:2016): Performance Requirements	2 W- 60 W
		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

C.N.Ghe
Director/CEO
Sri Lanka Accreditation Board for Conformity Assessment