

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



Valid from 13 October 2021
to 12 October 2024
Issued on 13 October 2021



ISO/ IEC 17025
TL 060-03

Schedule of Accreditation

Accreditation Scheme for Testing Laboratories
Sri Lanka Accreditation Board for Conformity Assessment
Accreditation Number: TL 060-03

Lamp Testing Laboratory
Energy & Environmental Services Department
National Engineering Research & Development Centre
2P, 17B, Industrial Estate
Ekala, Ja-ela

Scope of Accreditation: Performing Electrical and Photometric tests on Self-ballasted Lamps - Integral type Compact Fluorescent Lamps (CFL) and LED as per SLS methods

The laboratory is accredited for the following tests.

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
01	Self-ballasted Lamps - Integral type Compact Fluorescent Lamps (CFL)	Lamp Voltage (AC)	SLS 1231: part1; 2002	230 V
		Lamp Current	SLS 1225:2016	0-1500 mA
		Lamp Wattage		0-375W
		Power Factor		0-1
		Total Harmonics Distortion (ATHD)		0-200%
		Harmonics (Odd up to 39 th)	SLS 1231: part1; 2002	1 st – 99 th
		Angle between Current and Voltage		0 ^o - 180 ^o
		Luminous Flux	SLS 1231: part1; 2002	100-5000 lm
		Colour temperature	SLS 1225:2016	2000-10000K
		Chromaticity Coordinates		CIE 1931, 2Degree xy Chromaticity Diagram
		Colour Rendering Index		0-100
		SDCM (Standard deviation for colour matching)		Computed using Measured parameters
		Performance Grading	SLS 1225:2016	
		Lumen Maintenance	SLS 1231: part1; 2002 SLS 1225:2016	

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
02	LED	Lamp Voltage (AC)	SLS 1458 part 2: 2014	230 V
		Lamp Current	SLS 1530: 2016	0-1500 mA
		Lamp Wattage		0-375W
		Power Factor		0-1
		Luminous Flux		100-5000 lm
		Colour temperature		2000-10000K
		Chromaticity Coordinates		CIE1931, 2 Degree xy Chromaticity Diagram
		Colour Rendering Index		0-100
		Efficacy		Computed using Measured parameters

C.N. Gnan

Director / CEO

Sri Lanka Accreditation Board for Conformity Assessment