



Valid from 30 October 2019  
to 30 November 2020  
Issued on 30 October 2019

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



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 Mechanical testing 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: Part 1: 2002 SLS 1225: 2002	230 V	
		Lamp Current		0 – 1500 mA	
		Lamp Wattage		0 – 375 W	
		Power Factor		0 – 1	
		Total Harmonics Distortion (ATHD)		0 – 200 %	
		Harmonics (Odd up to 39 <sup>th</sup> )		1 <sup>st</sup> – 99 <sup>th</sup>	
		Angle between Current & Voltage	SLS 1231: Part 1: 2002	0° – 180°	
		Luminous Flux	SLS 1231: Part 1: 2002 SLS 1225: 2002	100 – 5000 lm	
		Colour Temperature		2000 – 10000 K	
		Chromaticity Coordinates		CIE 1931, 2 Degree xy Chromaticity Diagram	
		Colour Rendering Index		0 – 100	
		SDCM (Standard deviation for colour matching)		Computed using measured parameters	
		Performance grading			SLS 1225: 2002
		Lumen Maintenance			SLS 1231: Part 1: 2002 SLS 1225: 2002

<b>SI No.</b>	<b>Product(s) / Material of test</b>	<b>Specific tests performed</b>	<b>Test method / Standard against which tests are performed</b>	<b>Range of testing / Limits of detection</b>
02	LED	Lamp Voltage (AC)	SLS 1458: Part 2: 2014	230 V
		Lamp Current		0 – 1500 mA
		Lamp Wattage		0 – 375 W
		Power Factor		0 – 1
		Luminous Flux		100 – 5000 lm
		Colour Temperature		2000 – 10000 K
		Chromaticity Coordinates		CIE 1931, 2 Degree xy Chromaticity Diagram
		Colour Rendering Index		0 – 100

Director / CEO

Sri Lanka Accreditation Board for Conformity Assessment