



Valid from 09 August 2023
to 08 August 2026
Issued on 09 August 2023

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



ISO/IEC 17025
TL 118-01

Schedule of Accreditation

Accreditation Scheme for Testing / Calibration Laboratories
Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: TL 118-01

**Laboratory of Regional Centre for Lighting
DGM (R & D) Office,
Ceylon Electricity Board,
Meethotamulla Road,
Kolonnawa.**

Scope of Accreditation: Performing Electrical & Photometric on Self ballasted Lamps/Integral type compact Fluorescent Lamp & LED Lamps as per the Test Methods appearing in this schedule.

The Laboratory is accredited for the following tests appear on page 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
1.1	Self-ballasted Lamps/Integral type Compact Fluorescent Lamps (CFL)	Lamp Wattage	SLS 1231: Part 1 : 2002 AMD 417:2011 SLS 1225: 2016	2 - 60 W
1.2		Total Luminous Flux	SLS 1231: Part 1 : 2002 AMD 417:2011 SLS 1225:2016	100 - 5,000 Lm
1.3		Colour Temperature	SLS 1231: Part 1 : 2002 AMD 417:2011 SLS 1225: 2016	2,000 - 10,000 K
1.4		Chromaticity Coordinates		CIE 1931 xy Chromacity space
1.5		Colour rendering index		0 -100
1.6		SDCM (standard Deviation for Colour Matching)		As computed by above parameters
1.7		Lumen Maintenance	SLS 1231: Part 1 : 2002 AMD 417:2011 SLS 1225: 2016	100 - 5,000 Lm
1.8		Total Harmonics Distortion (THD) (1 st – 50 th)	SLS 1231: Part 1 : 2002 AMD 417:2011	0 to 300
1.9		Power Factor	SLS 1231: Part 1 : 2002 AMD 417:2011 SLS 1225: 2016	0 to 1
1.10		Lamp Voltage	SLS 1231: Part 1 : 2002, AMD 417:2011 SLS 1225: 2016	230 Vac
1.11		Current	SLS 1231: Part 1 : 2002 AMD 417:2011 SLS 1225: 2016	10 – 500 mA

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
2.1	LED lamps	Lamp Wattage	IES LM-79-08 IEC 62612 SLS 1458 part 2:2014 SLS 1530:2016 SLS 1639 part 2:2019	2 - 60 W
2.2		Total Luminous Flux		100 -5,000 Lm
2.3		Colour Temperature		2,000 - 10,000 K
2.4		Chromaticity Coordinates		CIE 1931 xy Chromacity space
2.5		Colour rendering index		0 - 100
2.6		Power Factor		0 to 1
2.7		Lamp Voltage		230 Vac
2.8		Current		10 - 500 mA
2.9		Displacement Factor		0 to 1
2.10		Total Harmonics Distortion (THD) (1 st – 50 th)		0 to 300

Director/CEO
Sri Lanka Accreditation Board for Conformity Assessment