# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

| | | | |
|---|---|---|---|
| **Laboratory Name :** | TESTING LABORATORY - LIGHTING DIVISION, JAQUAR AND COMPANY PVT. LTD., PLOT NO A 111 TO 114, RIICO INDUSTRIAL AREA, PHASE 1, BHIWADI, ALWAR, RAJASTHAN, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
| **Certificate Number** | TC-10636 | **Page No** | 1 of 11 |
| **Validity** | 25/05/2022 to 24/05/2024 | **Last Amended on** | 25/08/2022 |

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| Permanent Facility | | | | |
| 1 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Electric Strength | IEC 61347-2-13 +AMD1, Cl 12 |
| 2 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. Supplied Electronic Controlgear for LED Modules | Electric Strength | IS 15885 (Part 2/Sec 13), Cl 12 |
| 3 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Fault Conditions | IEC 61347-2-13 +AMD1, Cl 14 |
| 4 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. Supplied Electronic Controlgear for LED Modules | Fault Conditions | IS 15885 (Part 2/Sec 13), Cl 14 |
| 5 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Marking | IEC 61347-2-13 +AMD1, Cl 7 |
| 6 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | D.C. or A.C. Supplied Electronic Controlgear for LED Modules | Marking | IS 15885 (Part 2/Sec 13), Cl 7 |
| 7 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c.OR a.c. Supplied Electronic Control Gear for LED Modules | Circuit Power Factor | IS 16104, Cl 9 |
| 8 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c.OR a.c. Supplied Electronic Control Gear for LED Modules | Marking | IS 16104, Cl 6 |
| 9 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c.OR a.c. Supplied Electronic Control Gear for LED Modules | Output Current | IS 16104, Cl 7 |
| 10 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c.OR a.c. Supplied Electronic Control Gear for LED Modules | Output Voltage | IS 16104, Cl 7 |
| 11 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c.OR a.c. Supplied Electronic Control Gear for LED Modules | Supply Current | IS 16104, Cl 10 |
| 12 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c.OR a.c. Supplied Electronic Control Gear for LED Modules | Total Circuit Power | IS 16104, Cl 8 |
| 13 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | DC or AC supplied electronic controlgear for LED modules | Circuit Power Factor | IEC 62384, Cl 9 |

# SCOPE OF ACCREDITATION

| | | | |
|---|---|---|---|
| **Laboratory Name :** | TESTING LABORATORY - LIGHTING DIVISION, JAQUAR AND COMPANY PVT. LTD., PLOT NO A 111 TO 114, RIICO INDUSTRIAL AREA, PHASE 1, BHIWADI, ALWAR, RAJASTHAN, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
| **Certificate Number** | TC-10636 | **Page No** | 2 of 11 |
| **Validity** | 25/05/2022 to 24/05/2024 | **Last Amended on** | 25/08/2022 |

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 14 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | DC or AC supplied electronic controlgear for LED modules | Marking | IEC 62384, Cl 6 |
| 15 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | DC or AC supplied electronic controlgear for LED modules | Output Current | IEC 62384, Cl 7 |
| 16 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | DC or AC supplied electronic controlgear for LED modules | Output Voltage | IEC 62384, Cl 7 |
| 17 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | DC or AC supplied electronic controlgear for LED modules | Supply Current | IEC 62384, Cl 10 |
| 18 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | DC or AC supplied electronic controlgear for LED modules | Total Circuit Power | IEC 62384, Cl 8 |
| 19 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Emergency lighting | Ingress Protection Test | IS 10322 (Part 5/Sec 8), Cl 14 |
| 20 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Emergency lighting | Insulation Resistance & Electric Strength | IS 10322 (Part 5/Sec 8), Cl 15 |
| 21 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Emergency lighting | Marking | IS 10322 (Part 5/Sec 8), Cl 6 |
| 22 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Fixed General Purpose Luminaire | Marking | IS 10322 (Part 5/Sec 1), Cl 6 |
| 23 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Fixed General Purpose Luminaires | Insulation Resistance & Electric Strength | IS 10322 (Part 5/Sec 1), Cl 15 |
| 24 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Fixed General Purpose Luminaires | Resistance to Dust and Moisture | IS 10322 (Part 5/Sec 1), Cl 14 |
| 25 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Flood lights | Ingress Protection Test | IS 10322 (Part 5/Sec 5), Cl 14 |
| 26 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Flood lights | Insulation Resistance & Electric Strength | IS 10322 (Part 5/Sec 5), Cl 15 |
| 27 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Flood lights | Marking | IS 10322 (Part 5/Sec 5), Cl 6 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** TESTING LABORATORY - LIGHTING DIVISION, JAQUAR AND COMPANY PVT. LTD., PLOT NO A 111 TO 114, RIICO INDUSTRIAL AREA, PHASE 1, BHIWADI, ALWAR, RAJASTHAN, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-10636 **Page No** 3 of 11

**Validity** 25/05/2022 to 24/05/2024 **Last Amended on** 25/08/2022

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 28 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Handlamps | Insulation Resistance & Electric Strength | IS 10322 (Part 5/Sec 6), Cl 15 |
| 29 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Handlamps | Marking | IS 10322 (Part 5/Sec 6), Cl 6 |
| 30 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Handlamps | Resistance to Dust and moisture | IS 10322 (Part 5/Sec 6), Cl 14 |
| 31 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Luminaire | Current | IEC 62722-2-1, Cl 6 |
| 32 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Luminaire | Current | IES LM-79, Cl 7.0 |
| 33 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Luminaire | Current | IS 16107 (Part 2/Sec 1), Cl 6 |
| 34 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Luminaire | Marking | IS 16107 (Part 2/Sec 1), Cl 4 |
| 35 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Luminaire | Power Factor | IS 16107 (Part 2/Sec 2), Cl 12 |
| 36 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Luminaire | Surge Protection | IEC 61000-4-5/AMD1 |
| 37 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Luminaire | Total Input Power | IEC 62722-2-1, Cl 7 |
| 38 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Luminaire | Total Input Power | IES LM-79, Cl 7.0 |
| 39 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Luminaire | Total Input Power | IS 16107 (Part 2/Sec 1), Cl 7 |
| 40 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Luminaire | Voltage | IEC 62722-2-1, Cl 6 |
| 41 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Luminaire | Voltage | IES LM-79, Cl 7.0 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** TESTING LABORATORY - LIGHTING DIVISION, JAQUAR AND COMPANY PVT. LTD., PLOT NO A 111 TO 114, RIICO INDUSTRIAL AREA, PHASE 1, BHIWADI, ALWAR, RAJASTHAN, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-10636 **Page No** 4 of 11

**Validity** 25/05/2022 to 24/05/2024 **Last Amended on** 25/08/2022

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 42 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Luminaire | Voltage | IS 16107 (Part 2/Sec 1), Cl 6 |
| 43 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Luminaires | Marking | IEC 62722-2-1, Cl 4 |
| 44 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Street Lighting Luminaire | Current | IS 16107 (Part 2/Sec 2), Cl 6 |
| 45 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Street Lighting Luminaire | Harmonics | IS 16107 (Part 2/Sec 2), Cl 13 |
| 46 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Street Lighting Luminaire | Ingress protection | IS 16107 (Part 2/Sec 2), Cl 16 |
| 47 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Street Lighting Luminaire | Marking | IS 16107 (Part 2/Sec 2), Cl 4 |
| 48 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Street Lighting Luminaire | Power Factor | IS 16107 (Part 2/Sec 2), Cl 12 |
| 49 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Street Lighting Luminaire | Surge Protection | IS 16107 (Part 2/Sec 2), Cl 14 |
| 50 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Street Lighting Luminaire | Total Input Power | IS 16107 (Part 2/Sec 2), Cl 7 |
| 51 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | LED Street Lighting Luminaire | Voltage | IS 16107 (Part 2/Sec 2), Cl 6 |
| 52 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Lighting Chain | Marking | IS 10322 (Part 5/Sec 7), Cl 20.6 |
| 53 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Lighting Chains | Insulation Resistance & Electric Strength | IS 10322 (Part 5/Sec 7), Cl 20.15 |
| 54 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Lighting Chains | Resistance to Dust, Solid objects And Moisture | IS 10322 (Part 5/Sec 7), Cl 20.14 |
| 55 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Luminaires | Insulation Resistance & Electric Strength | IEC 60598-1, Sec 10 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** TESTING LABORATORY - LIGHTING DIVISION, JAQUAR AND COMPANY PVT. LTD., PLOT NO A 111 TO 114, RIICO INDUSTRIAL AREA, PHASE 1, BHIWADI, ALWAR, RAJASTHAN, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-10636 **Page No** 5 of 11

**Validity** 25/05/2022 to 24/05/2024 **Last Amended on** 25/08/2022

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 56 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Luminaires | Insulation Resistance & Electric Strength | IS 10322 (Part 1), Cl 10 |
| 57 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Luminaires | Marking | IEC 60598-1, Sec 3 |
| 58 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Luminaires | Marking | IS 10322 (Part 1), Sec 3 |
| 59 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Luminaires | Resistance to dust, Solid object and Moisture | IEC 60598-1, Sec 9 |
| 60 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Luminaires | Resistance to dust, solid object and Moisture. | IS 10322 (Part 1), Cl 9 |
| 61 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Luminaires for Road and Street Lighting | Ingress Protection Test | IS 10322 (Part 5/Sec 3), Cl 14 |
| 62 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Luminaires for Road and Street Lighting | Insulation Resistance & Electric Strength | IS 10322 (Part 5/Sec 3), Cl 15 |
| 63 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Luminaires for Road and Street Lighting | Marking | IS 10322 (Part 5/Sec 3), Cl 6 |
| 64 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Portable general purpose luminaires | Insulation Resistance & Electric Strength | IS 10322 (Part 5/Sec 4), Cl 13.6 |
| 65 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Portable general purpose luminaires | Marking | IS 10322 (Part 5/Sec 4), Cl 5 |
| 66 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Portable general purpose luminaires | Resistance to dust and moisture | IS 10322 (Part 5/Sec 4), Cl 13.5 |
| 67 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Recessed Luminaires | Insulation Resistance & Electric Strength | IS 10322 (Part 5/Sec 2), Cl 15 |
| 68 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Recessed Luminaires | Marking | IS 10322 (Part 5/Sec 2), Cl 6 |
| 69 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Recessed Luminaires | Resistance to dust and moisture | IS 10322 (Part 5/Sec 2), Cl 14 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** TESTING LABORATORY - LIGHTING DIVISION, JAQUAR AND COMPANY PVT. LTD., PLOT NO A 111 TO 114, RIICO INDUSTRIAL AREA, PHASE 1, BHIWADI, ALWAR, RAJASTHAN, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-10636 **Page No** 6 of 11

**Validity** 25/05/2022 to 24/05/2024 **Last Amended on** 25/08/2022

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 70 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Rope Lights | Ingress Protection Test | IS 10322 (Part 5/Sec 9), Cl 21.14 |
| 71 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Rope Lights | Insulation Resistance & Electric Strength | IS 10322 (Part 5/Sec 9), Cl 21.15 |
| 72 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Rope Lights | Marking | IS 10322 (Part 5/Sec 9), Cl 21.6 |
| 73 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Insulation Resistance & Electric Strength | IS 16102 (Part 1), Cl 8 |
| 74 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Current | IEC 62612 +AMD1+AMD2, Cl 4 |
| 75 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Current | IES LM-79, Cl 7.0 |
| 76 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Current | IS 16102 (Part 2), Cl 4 |
| 77 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Dimensions | IEC 62612:2013+AMD1+AMD2, Cl 6 |
| 78 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Dimensions | IS 16102 (Part 2), Cl 6 |
| 79 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Harmonics | IEC 62612 +AMD1+AMD2, Cl 8.2 |
| 80 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Harmonics | IS 16102 (Part 2), Cl 8.3 |
| 81 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Insulation Resistance & Electric Strength | IEC 62612 +AMD1+AMD2, Cl 8 |
| 82 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Lamp Power | IEC 62612 +AMD1+AMD2, Cl 8.1 |
| 83 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Lamp Power | IES LM-79, Cl 7.0 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** TESTING LABORATORY - LIGHTING DIVISION, JAQUAR AND COMPANY PVT. LTD., PLOT NO A 111 TO 114, RIICO INDUSTRIAL AREA, PHASE 1, BHIWADI, ALWAR, RAJASTHAN, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-10636 **Page No** 7 of 11

**Validity** 25/05/2022 to 24/05/2024 **Last Amended on** 25/08/2022

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 84 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Lamp Power | IS 16102 (Part 2), Cl 8.1 |
| 85 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Marking | IEC 62612 +AMD1 +AMD2, Cl 5 |
| 86 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Marking | IS 16102 (Part 2), Cl 5 |
| 87 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Power Factor | IEC 62612 +AMD1+AMD2, Cl 8.2 |
| 88 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Power Factor | IS 16102 (Part 2), Cl 8.2 |
| 89 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Surge Protection | IEC 61000-4-5 /AMD1 |
| 90 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Voltage | IEC 62612 +AMD1 +AMD2, Cl 4 |
| 91 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Voltage | IES LM-79, Cl 7.0 |
| 92 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self-Ballasted LED Lamps for General Lighting Services | Voltage | IS 16102 (Part 2), Cl 4 |
| 93 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Beam Angle | IEC 62612 +AMD1 +AMD2, Cl 9.2 |
| 94 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Beam Angle | IS 16102 (Part 2), Cl 9.2 |
| 95 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Color Chromaticity Coordinates - x | IEC 62612 +AMD1+AMD2, Cl 10.1 |
| 96 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Color Chromaticity Coordinates - x | IES LM-79, Cl 12.0 |
| 97 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Color Chromaticity Coordinates - x | IS 16102 (Part 2), Cl 10.1 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** TESTING LABORATORY - LIGHTING DIVISION, JAQUAR AND COMPANY PVT. LTD., PLOT NO A 111 TO 114, RIICO INDUSTRIAL AREA, PHASE 1, BHIWADI, ALWAR, RAJASTHAN, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-10636 **Page No** 8 of 11

**Validity** 25/05/2022 to 24/05/2024 **Last Amended on** 25/08/2022

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 98 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Color Chromaticity Coordinates - y | IEC 62612 +AMD1+AMD2, Cl 10.1 |
| 99 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Color Chromaticity Coordinates - y | IES LM-79, Cl 12.0 |
| 100 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Color Chromaticity Coordinates - y | IS 16102 (Part 2), Cl 10.1 |
| 101 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Color Rendering Index | IEC 62612 +AMD1 +AMD2, Cl 10.2 |
| 102 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Color Rendering Index | IES LM-79, Cl 12.0 |
| 103 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Color Rendering Index | IS 16102 (Part 2), Cl 10.2 |
| 104 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Correlated Color Temperature | IEC 62612 +AMD1 +AMD2, Cl 10.1 |
| 105 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Correlated Color Temperature | IES LM-79, Cl 12.0 |
| 106 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Correlated Color Temperature | IS 16102 (Part 2), Cl 10.1 |
| 107 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Luminous Efficacy | IEC 62612 +AMD1 +AMD2, Cl 9.3 |
| 108 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Luminous Efficacy | IES LM-79, Cl 11.0 |
| 109 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Luminous Efficacy | IS 16102 (Part 2), Cl 9.3 |
| 110 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Luminous Flux | IEC 62612 +AMD1 +AMD2, Cl 9.1 |
| 111 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Luminous Flux | IES LM-79, Cl 9.0 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** TESTING LABORATORY - LIGHTING DIVISION, JAQUAR AND COMPANY PVT. LTD., PLOT NO A 111 TO 114, RIICO INDUSTRIAL AREA, PHASE 1, BHIWADI, ALWAR, RAJASTHAN, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-10636 **Page No** 9 of 11

**Validity** 25/05/2022 to 24/05/2024 **Last Amended on** 25/08/2022

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 112 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Luminous Flux | IS 16102 (Part 2), Cl 9.1 |
| 113 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Luminous Intensity Distribution | IEC 62612 +AMD1 +AMD2, Cl 9.2 |
| 114 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Luminous Intensity Distribution | IES LM-79, Cl 10.0 |
| 115 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Luminous Intensity Distribution | IS 16102 (Part 2), Cl 9.2 |
| 116 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Peak Intensity | IEC 62612 +AMD1 +AMD2, Cl 9.2 |
| 117 | PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP) | Self-Ballasted LED Lamps for General Lighting Services | Peak Intensity | IS 16102 (Part 2), Cl 9.2 |
| 118 | PHOTOMETRY-LUMINARIES | LED Luminaire | Beam Angle | IEC 62722-2-1, Cl 8.2 |
| 119 | PHOTOMETRY-LUMINARIES | LED Luminaire | Beam Angle | IS 16107 (Part 2/Sec 1), Cl 8.2 |
| 120 | PHOTOMETRY-LUMINARIES | LED Luminaire | Color Chromaticity Coordinates - x | IEC 62722-2-1, Cl 9.1 |
| 121 | PHOTOMETRY-LUMINARIES | LED Luminaire | Color Chromaticity Coordinates - x | IES LM-79, Cl 12.0 |
| 122 | PHOTOMETRY-LUMINARIES | LED Luminaire | Color Chromaticity Coordinates - x | IS 16107 (Part 2/Sec 1), Cl 9.1 |
| 123 | PHOTOMETRY-LUMINARIES | LED Luminaire | Color Chromaticity Coordinates - y | IEC 62722-2-1, Cl 9.1 |
| 124 | PHOTOMETRY-LUMINARIES | LED Luminaire | Color Chromaticity Coordinates - y | IES LM-79, Cl 12.0 |
| 125 | PHOTOMETRY-LUMINARIES | LED Luminaire | Color Chromaticity Coordinates - y | IS 16107 (Part 2/Sec 1), Cl 9.1 |
| 126 | PHOTOMETRY-LUMINARIES | LED Luminaire | Color Rendering Index | IEC 62722-2-1, Cl 9.3 |
| 127 | PHOTOMETRY-LUMINARIES | LED Luminaire | Color Rendering Index | IES LM-79, Cl 12.0 |
| 128 | PHOTOMETRY-LUMINARIES | LED Luminaire | Color Rendering Index | IS 16107 (Part 2/Sec 1), Cl 9.3 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** TESTING LABORATORY - LIGHTING DIVISION, JAQUAR AND COMPANY PVT. LTD., PLOT NO A 111 TO 114, RIICO INDUSTRIAL AREA, PHASE 1, BHIWADI, ALWAR, RAJASTHAN, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-10636 **Page No** 10 of 11

**Validity** 25/05/2022 to 24/05/2024 **Last Amended on** 25/08/2022

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 129 | PHOTOMETRY-LUMINARIES | LED Luminaire | Correlated Color Temperature | IEC 62722-2-1, Cl 9.2 |
| 130 | PHOTOMETRY-LUMINARIES | LED Luminaire | Correlated Color Temperature | IES LM-79, Cl 12.0 |
| 131 | PHOTOMETRY-LUMINARIES | LED Luminaire | Correlated Color Temperature | IS 16107 (Part 2/Sec 1), Cl 9.2 |
| 132 | PHOTOMETRY-LUMINARIES | LED Luminaire | Luminous Efficacy | IEC 62722-2-1, Cl 8.3 |
| 133 | PHOTOMETRY-LUMINARIES | LED Luminaire | Luminous Efficacy | IES LM-79, Cl 11.0 |
| 134 | PHOTOMETRY-LUMINARIES | LED Luminaire | Luminous Efficacy | IS 16107 (Part 2/Sec 1), Cl 8.3 |
| 135 | PHOTOMETRY-LUMINARIES | LED Luminaire | Luminous Flux | IEC 62722-2-1, Cl 8.1 |
| 136 | PHOTOMETRY-LUMINARIES | LED Luminaire | Luminous Flux | IES LM-79, Cl 9.0 |
| 137 | PHOTOMETRY-LUMINARIES | LED Luminaire | Luminous Flux | IS 16107 (Part 2/Sec 1), Cl 8.1 |
| 138 | PHOTOMETRY-LUMINARIES | LED Luminaire | Luminous Intensity Distribution | IEC 62722-2-1, Cl 8.2 |
| 139 | PHOTOMETRY-LUMINARIES | LED Luminaire | Luminous Intensity Distribution | IES LM-79, Cl 10.0 |
| 140 | PHOTOMETRY-LUMINARIES | LED Luminaire | Luminous Intensity Distribution | IS 16107 (Part 2/Sec 1), Cl 8.2 |
| 141 | PHOTOMETRY-LUMINARIES | LED Luminaire | Peak Intensity | IEC 62722-2-1, Cl 8.2 |
| 142 | PHOTOMETRY-LUMINARIES | LED Luminaire | Peak Intensity | IS 16107 (Part 2/Sec 1), Cl 8.2 |
| 143 | PHOTOMETRY-LUMINARIES | LED Street Lighting Luminaire | Color Chromaticity Coordinates - x | IS 16107 (Part 2/Sec 2), Cl 9.1 |
| 144 | PHOTOMETRY-LUMINARIES | LED Street Lighting Luminaire | Color Chromaticity Coordinates - y | IS 16107 (Part 2/Sec 2), Cl 9.1 |
| 145 | PHOTOMETRY-LUMINARIES | LED Street Lighting Luminaire | Color Rendering Index | IS 16107 (Part 2/Sec 2), Cl 9.3 |
| 146 | PHOTOMETRY-LUMINARIES | LED Street Lighting Luminaire | Correlated Color Temperature | IS 16107 (Part 2/Sec 2), Cl 9.2 |
| 147 | PHOTOMETRY-LUMINARIES | LED Street Lighting Luminaire | Luminous Efficacy | IS 16107 (Part 2/Sec 2), Cl 8.2 |

# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

| | | | |
|---|---|---|---|
| **Laboratory Name :** | TESTING LABORATORY - LIGHTING DIVISION, JAQUAR AND COMPANY PVT. LTD., PLOT NO A 111 TO 114, RIICO INDUSTRIAL AREA, PHASE 1, BHIWADI, ALWAR, RAJASTHAN, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
| **Certificate Number** | TC-10636 | **Page No** | 11 of 11 |
| **Validity** | 25/05/2022 to 24/05/2024 | **Last Amended on** | 25/08/2022 |

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 148 | PHOTOMETRY-LUMINARIES | LED Street Lighting Luminaire | Luminous Flux | IS 16107 (Part 2/Sec 2), Cl 8.1 |
| 149 | PHOTOMETRY-LUMINARIES | LED Street Lighting Luminaire | Luminous Intensity Distribution | IS 16107 (Part 2/Sec 2), Cl 8.3 |