

# ROAD, AMENITIES, HIGH MAST, HIGH BAY, LIGHTING LUMINAIRES (LED)

lybase®



## WHY IS IT GREEN?

LED Luminaires for Road Lighting (Brand: Lybase) has been verified and approved under the SIRIM Eco-Label Licence by SIRIM QAS International Sdn Bhd.

Environmental Requirement:

- LED Luminaires have at least the luminaires efficacy of 102.4 lm/w.
- Minimum lumen efficacy of 148 lm/w at 85°C (CREE LED Chips (XPG2))
- Lamp Lumen Maintenance Factor > 0.92

## PRODUCT FEATURES

- Manufactured locally
- Listed annually on Senarai bahan / Barangan Binaan Bahagian Perolehan Kerajaan Tempatan, Perbendaharaan Malaysia
- Tested for Malaysian climate & approved and recognised by Malaysian Public Works Department / Jabatan Kerja Raya Malaysia (Unit Persijilan Bahan dan Standard), QAV Technologies Sdn Bhd, SIRIM QAS International Sdn Bhd, Malaysia Green Technology Corporation, Singapore Environment Council and Philippine Center for Environment Protection and Sustainable Development (NELP-GCP)
- Eco-friendly Luminaires
- Low restricted hazardous substances material
- High Efficiency
  - CCT: 2,500K to 3,500K, Efficacy: 100 lm/w and above
  - CCT: 3,500K to 4,500K, Efficacy: 105 lm/w and above
- Strong and durable. Low maintenance and replacement
- IP 66 (LED Modules)
- 5 years of Product Warranty

## PRODUCT CERTIFICATION & COMPLIANCE

- SIRIM Eco-Label License, License No: EL000052
- LED Luminaires registered as MyHijau Mark Products,
  - 50W LED Luminaires for Road Lighting (Cert. No: MyHP00010/15-E001)
  - 100W LED Luminaires for Road Lighting (Cert. No: MyHP00010/15-E002)
  - 150W LED Luminaires for Road Lighting (Cert. No: MyHP00010/15-E003)
  - 185W LED Luminaires for Road Lighting (Cert. No: MyHP00010/15-E004)
  - 240W LED Luminaires for Road Lighting (Cert. No: MyHP00010/15-E005)
  - 70W LED Luminaires for Road Lighting (Cert. No: MyHP00010/15-E006)
  - 120W LED Luminaires for Road Lighting (Cert. No: MyHP00010/15-E007)
- MS62722-2-1 & IEC 62722-2-1 (12,000 Hours Burn In Test), under Category 1\* or Highest Lumen Ranking
- IEC 62471 (Photobiological Safety of Lamps and Lamp Systems)
- IEC 61547 (Equipment for General Lighting Purpose – EMC Immunity Requirements)
- ANSI C136.31 Standard Vibration Test (Result=3G)
- IEC 62262 (IK08 Mechanical Impact Test)
- IES TM-21-11 (Long Term Lumens Maintenance Projection), IN-SITU Temperature Measurement Testing (ISTMT), L90, 50,000 Hours
- IEC 62384 (DC or AC Supplied Electronic Control Gear for LED Modules – Performance Requirements)
- ISO 9001:2015 (LED Lightings)
- ISO 14001:2015 (LED Lightings)
- ISO 45001:2018 (LED Lightings)
- Malaysia Brand Certificate
- Attestation of Conformity CE Certificate from DEKRA Certification B.V., the Netherlands for Safety and EMC Test (CE Mark)

## APPLICABLE GBI CREDITS

RNC	EE4
TOWNSHIP	CEW2

## GREEN LABELS



EL000052



045-004



000053

## OTHER LABELS



MyHP  
00010/15



JKR's Green  
Product Directory

## COMPANY DETAILS

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