

SURIA/SL

EY696

LED STREET LIGHT

CB CE



EY696 • 80W • 100W • 120W

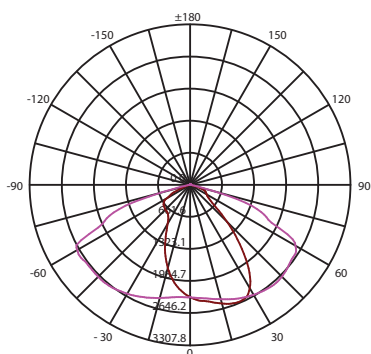


EY696 • 150W

PRODUCT FEATURES

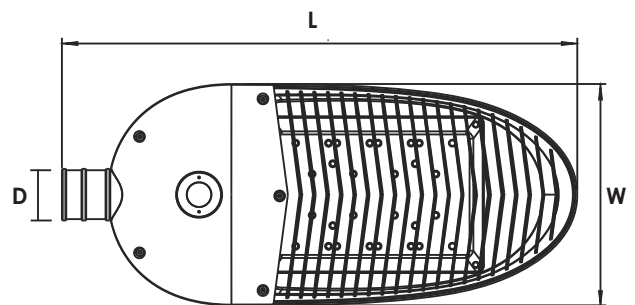
- The high lumen output LED array, provides even lighting from high mounting height
- ADC 12 high pressure die-cast aluminium body construction for strength and durability
- The IP66 rated sealed fixtures protect it from ingress of water and dust in harsh outdoor environment
- Impressive heat dissipation design
- High efficiency with trusted and reliable **High Power-3535** LED

PHOTOMETRY/BEAM ANGLE



PRODUCT DIMENSION

*Typical dimension in mm



TECHNICAL DATA



MODEL NO.	EY696-80W	EY696-100W	EY696-120W	EY696-150W
Power Consumption $\pm 5\%$ (W)	80W	100W	120W	150W
Luminaire Flux $\pm 5\%$ (lm)	8,720 lm	10,500 lm	12,120 lm	15,600 lm
LED Driver Model	HLG-80H-42B	HLG-100H-42B	HLG-120H-42B	HLG-150H-42B
System Efficiency $\pm 5\%$ (lm/W)	109 lm/W	105 lm/W	101 lm/W	104 lm/W
Power Factor (PF)	≥ 0.95	≥ 0.95	≥ 0.95	≥ 0.95
Efficiency TYP. (%)	91%	93%	93%	94%
LED Chips Quantity (pcs)	42	56	56	70
HID Equivalent	150W	250W	250W	400W
Spigot Mounting Hole, D (mm)	66	66	66	73
Product Dimension (mm) L x W x H	750 x 322 x 145	750 x 322 x 145	750 x 322 x 145	900 x 386 x 167
Net Weight (kg)	6.58	6.84	6.84	9.80
Gross Weight (kg)	7.54	7.80	7.80	11.09
Carton Dimension (mm) L x W x H	790 x 350 x 200	790 x 350 x 200	790 x 350 x 200	935 x 410 x 215
CBM (m ³)	0.055	0.055	0.055	0.082

Note: The above specified lumen and system efficiency based on standard CCT: 3000K.

TECHNICAL SPECIFICATION

ELECTRICAL SYSTEM

- **Input Voltage** : 100 - 240Vac, 50/60Hz
- **Insulation Class** : Class I
- **LED Driver** : Meanwell with Dimming Function
- **Additional Surge Protection Devices** : Meanwell 20kA SPD-20-240P

LIGHT SOURCE / OPTIC

- **LED Type** : SMD 3535 with TM21 and LM80
- **Color Temperature (CCT)** : **Standard 3000K**
- **Color Rendering Index (CRI)** : Ra > 70, for model 80W
Ra > 80, for model $\geq 100W$
- **Life Time Residual Flux** : (L80), >50,000 hours @ Ta =50°
- **Optical System** : PC Lens with Tempered Glass Cover
- **Working Temperature** : Ta : -30°C to +50°C

APPLICATION

- Road & Highway • Urban Road & Streets • Residential Streets
- Car Parks • Parks • Riverside • Jogging Track

OPTIONAL FEATURES/ACCESSORIES

- Motion Sensor, NEMA Photocell
- NEMA IoT Smart System
- Backlight Control



CERTIFICATION AND COMPLIANCE TEST

- **Type Test Certified (Luminaire)** : IEC/EN 60598-1, IEC/EN 60598-2-1
: IEC 62471
: IEC/TR 62778
- **EMC Certified** : IEC/EN 61000-3-2, IEC/EN61000-3-3
: IEC/EN 55015, IEC/EN 61547
- **LED Compliances Test** : IES LM-79-08
: IESNA LM-80
: TM-21
- **Performance Test** : IEC 62722-1, IEC 62722-2
- **Ingress Protection Test** : IEC 60529 (IP66)
- **Impact Resistance Test** : IEC 62262 (IK08)
- **SIRIM Product Certification Licence - PC003480**



FIXTURE/HOUSING

- **Ingress Protection (IP)** : IP66
- **Impact Resistance (IK)** : IK08
- **Housing Material** : ADC 12 Die-Cast Aluminium
- **Housing Finish** : Akzo Nobel Epoxy Powder Coating
Tarpaulin Grey