

OUTDOOR LED LIGHTING

SHOSHA/FL

EY313

LED FLOODLIGHT

EYELITE



Go-Kart Circuit, Sri Lanka



EY313-180W



EY313-240W

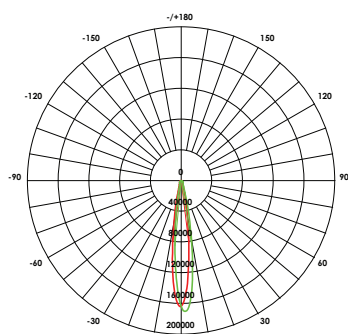


EY313-360W

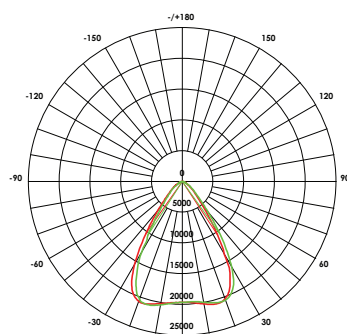


EY313-450W

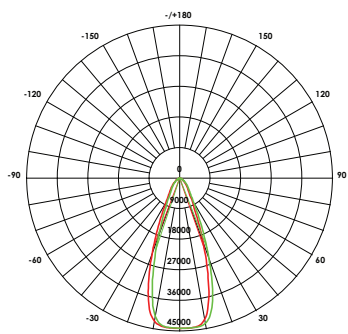
PHOTOMETRY/BEAM ANGLE



15°



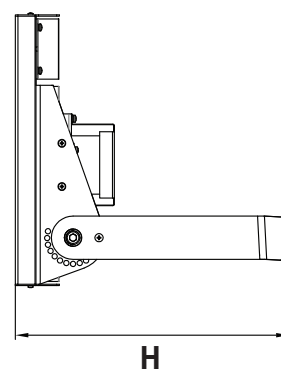
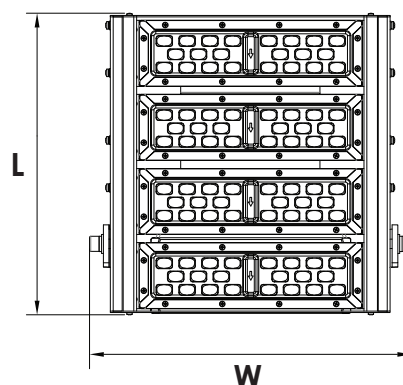
60°



38°

PRODUCT DIMENSION

*Typical Dimension (mm)



MODEL NO.	EY313-180W	EY313-240W	EY313-360W	EY313-450W
Power Consumption $\pm 5\%$ (W)	180W	240W	360W	450W
Luminaire Flux $\pm 5\%$ (lm)	21,600 lm	28,800 lm	43,200 lm	56,250 lm
System Efficiency $\pm 5\%$ (lm/W)	120 lm/W	120 lm/W	120 lm/W	125 lm/W
Power Factor (PF)	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98
Efficiency (%)	94.00%	93.50%	94.00%	94.00%
Quantity of LED Module	3	4	6	8
LED Chips Quantity/Fixture	66	88	132	176
HID Equivalent	MH 400W	MV 600W	MH/HPS 1000W	MH/HPS 1000W
LED Driver c/w Dimming	Inventronics	Inventronics	Inventronics	Inventronics
Surge Protection Device (kA/kV)	I _{max} 25kA (50kV)	I _{max} 25kA (50kV)	I _{max} 25kA (50kV)	I _{max} 25kA (50kV)
Net Weight (kg)	7.80	8.80	13.35	18.57
Gross Weight (kg)	8.85	9.80	14.60	20.55
Product Dimension (mm) (L x W x H)	235 x 385 x 315	315 x 385 x 315	470 x 385 x 340	384 x 571 x 415
Carton Dimension (mm) (L x W x H)	360 x 430 x 285	380 x 430 x 280	525 x 435 x 285	510 x 690 x 260
CBM (m ³)	0.044	0.046	0.065	0.091

Note: The above specified lumen and system efficiency based on standard CCT: 5000K.

TECHNICAL SPECIFICATION

ELECTRICAL SYSTEM

- **Input Voltage** : 100 - 240Vac, 50/60Hz, PF > 0.98
- **Insulation Class** : Class I
- **LED Driver** : IP67 with 0-5V/ 0-10V/ PWM/ Timer Dimmable

LIGHT SOURCE / OPTIC

- **LED Type** : SMD 3535 with TM21 and LM80
- **Color Temperature (CCT)** : Standard 5000K (2200K, 3000K & others upon request)
- **Color Rendering Index (CRI)** : Ra > 70 (Ra > 80, 90 upon request)
- **Life Time Residual Flux** : (L70), >50,000 hours @ Ta: 45°C
- **Optical System** : 15°, 38° and 60° PC lens IP66
: 90° PC lens upon request

OPTIONAL FEATURES/ACCESSORIES

- Motion Sensor, Photocell
- DALI / 1-10V Dimming Control
- IoT Smart Control
- 1000 hours Salt Fog Test Version Available Upon Request

CERTIFICATION AND COMPLIANCE TEST

- **Type Test Certified (Luminaire)** : EN 60598-1
: EN 60598-2-5, IEC/TR 62778
: EN 62493
- **EMC Certified** : EN 61000-3-2, EN 61000-3-3
: EN 55015, EN 61547
- **LED Compliance Test** : IESNA LM-80
: TM-21
- **Ingress Protection Test** : IEC 60529 (IP66)
- **Impact Resistance Test** : IEC 62262 (IK08)

APPLICATION

- High Mast Lighting • Façade Lighting • Signboard Lighting
- Field Lighting • Port Lighting • Event Lighting

FIXTURE/HOUSING

- **Ingress Protection (IP)** : IP66
- **Impact Resistance (IK)** : IK08
- **Housing Finish** : Akzo Nobel Epoxy Powder Coating - Black
- **Vibration Resistance** : 2G, 3D 100,000 Vibration Cycle Test