

## LHB APPLICATIONS

The High mast lights are designed to meet multiple applications that range in power requirement from 300W to 1500W. The fixtures are assembled with our modular light engines, that make them flexible to reach desired lumen requirements and efficacy by choosing appropriate light engines. The main applications areas are:

- Large outdoor space lighting (stadiums, parking lots, harbors, bus/train stations)...
- High-mast roadway lighting (road junctions, circles. Squares, ports etc..)



## SPECIFICATIONS

- Efficacy Range: 140 to 190 LM/W
- Power Range: 300W to 1500W
- Multiple CCTs/CRI's from 3000K - 6000K and 70-90CRI
- Operating Temperature: -40°C to 50°C, 10% to 90% RH
- Light Engine IP rating: IP66
- Driver IP Rating: IP67
- Overall Fixture IP Rating: IP66
- Tier-1 LED suppliers; LM80 rated at CRI >80
- 120V to 277V, 120V to 347V, 120-480V with 50/60Hz
- PF >0.95, THD ≤ 20%
- Multiple beam angle 25° to 120°.
- Standard 5 Year warranty
- Designed lifetime > 15 years

## PRODUCT FEATURES

### Construction:

- Cold-forged pure aluminum heat sink with electrophoresis surface treatment that ensures 100% complete protection for all indoor corners and longer endurance for tough outdoor conditions.
- Optimized design, not easy to accumulate water and dust.

### Optical:

- Compatible with general flood lighting / high-mast road lighting distributions.
- Multiple beam angles – with high quality anti-UV optical PC material from Japan with added temper glass strengthening as an option.

### Electrical:

- Flexible to reach desired power and lumen requirements by choosing appropriate light engines.
- Up to 1500W with a maximum flux output of 270,000 lm.

### Installation:

- Robust bracket design withstands 3G vibration test per ANSI C13631.31
- Laser sight available by option for precise aiming.

## FINISHING COLORS

**BLACK**

# PERFORMANCE

Customized 5050 Lumileds LEDs – 25°/40°/60° beam angles

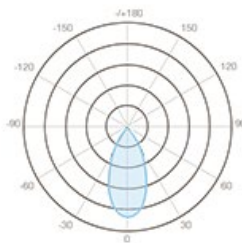
Model	Power (W)	5000/5700K - 70CRI			
		Efficacy (lm/w)		Flux (lm)	
		Min	Max	Min	Max
NLV-HMF-JUPS-300	300	165	182	49,500	54,450
NLV-HMF-JUPS-480	480	165	182	79,200	87,120
NLV-HMF-JUPS-600	600	165	182	99,000	108,900
NLV-HMF-JUPS-880	880	165	182	145,200	159,720
NLV-HMF-JUPS-1000	1,000	165	182	165,000	181,500
NLV-HMF-JUPS-1200	1,200	165	182	198,000	217,800

\* - For the 850W high Efficacy Solution, use JUPS-880 for normal operating conditions or use JUPS-1000 with reduced drive current and oversized safer heatsinking.

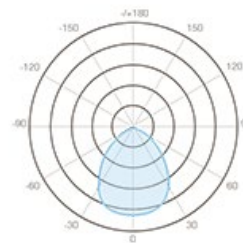
## LENS & DISTRIBUTION TYPES



25°

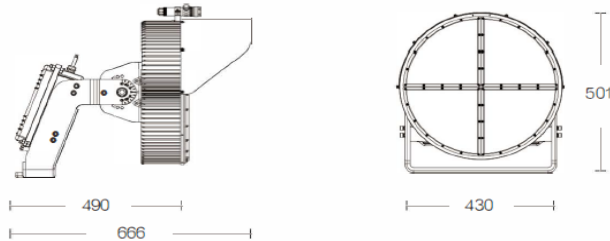


45°



90°

## DIMENSIONS



## DRIVER

# INVENTRONICS

ESM-880SxxxMx

Rev.A

880W Programmable Driver with INV Digital Dimming

### Features

- Ultra High Efficiency (Up to 96.0%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programmability
- Isolated 0-10V/PWM/3-Timer-Modes Dimmable
- INV Digital Dimming, UART Based Communication Protocol
- Dim-to-Off with Standby Power
- Minimum Dimming Level with 5% or 10% Selectable
- Maximum Dimming Level with 9V or 10V Selectable
- Fade Time Adjustable
- Always-on Auxiliary Power: 12Vdc, 250mA
- Low inrush current
- Output Lumen Compensation
- End-of-Life Indicator
- Input Surge Protection: DM 6kV, CM 10kV
- All-Around Protection: IUVP, IOVP, OVP, SCP, OTP
- IP66 / IP67 and UL Dry / Damp / Wet Location
- TYPE HL, for use in a Class I, Division 2 hazardous (Classified) location
- 5 Years Warranty

