



LED Highmast Flood Light

High Efficacy up to 130 lm/W and up to 75% in energy savings available in 120W-1,000W configurations.

APPLICATIONS

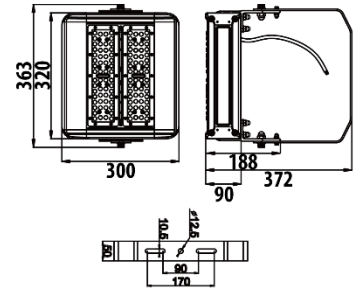
- Parking
- Manufacturing
- Commercial
- Ports
- Sports Facilities
- Parks and Recreation
- Automotive

AUTHORIZED BY:

NAME:

DATE:

DIMENSIONS & WEIGHT	
PRODUCT LINE	LHF-120
LENGTH (cm)	30
WIDTH (cm)	36.3
HEIGHT (cm)	37.2
NET WEIGHT (Kg)	7.8
PCS / CARTON	1
CARTON WEIGHT (Kg)	9.3



ORDERING INFORMATION

CNX-LHF		120
PRODUCT TYPE	COLOR TEMPERATURE	WATTAGE
CNX-LHF	40 – 4000K 45 – 4500K 50 – 5000K	120 – 120 WATTS

PRODUCT SPECIFICATIONS

Construction Characteristics:

- High grade aluminum housing (Black)
- Water tight driver housing
- High grade thermal paste for optimal PCB to fixture cooling
- Weight: 7.8 Kg
- Powder coat finish
- IP 67 – suitable for outdoor use

Optical Characteristics:

- CRI (Color Rendering Index): >70
- Optics – 30/60/90/30X70/60X90/90X120 degree

Electrical Characteristics:

- Input Voltage: 120 ~ 277 VAC or 200-480 VAC, 50/60 Hz
- Power Factor: 0.9 at full load
- THD = <20%
- Operating Temperature Range: -20 ~ +70C
- Built in 4kV protection
- Optional Surge Protection: 10kv/10kA or 20kv/20kA
- 100,000 switching cycles

PRODUCT OPTIONS

INPUT VOLTAGE	ADDITIONAL SURGE PROTECTION
P1 – 120~277 VAC P2 – 200~480 VAC	10K – 10KV/KA 20K – 20KV/KA (P2 ONLY) XXX – NO SURGE PROTECTION
CONTROL	OPTICS
CTR – CONX CONTROL DAL – 1-10V DALI ZIG – ZIGBEE MTN – MOTION DAY – DAYLIGHT HARVESTING XXX – NO CONTROL	30 – 30 DEGREE 60 – 60 DEGREE 90 – 90 DEGREE 3070 – 30 X 70 DEGREE 6090 – 60 X 90 DEGREE

ELECTRICAL DATA

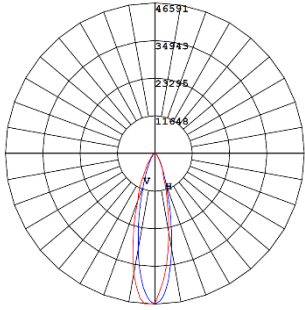
NUMBER LEDS	SYSTEM WATTAGE	LUMEN OUTPUT	EFFICACY
112 – 112 LEDS	120 WATTS	15,600 LUMENS	130 LM/W

*Available in 90X120 degree optics upon special request

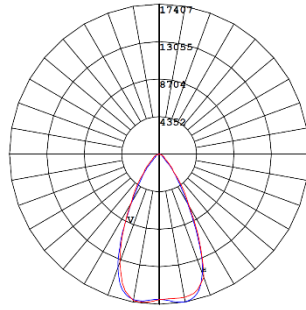
HIGHMAST FLOOD LIGHT LHF – 120



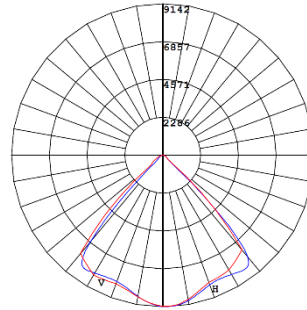
POLAR CANDELA CURVE	POLAR CANDELA CURVE	POLAR CANDELA CURVE	POLAR CANDELA CURVE
LHF-120 (30 DEGREE)	LHF-120 (60 DEGREE)	LHF-120 (90 DEGREE)	LHF-120 (30X70 DEGREE)



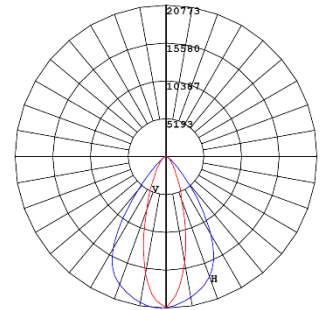
Horizontal Axis (H) BLUE
Vertical Axis (V) RED
Maximum Candela = 46590.76 at 0 H -4 V



Horizontal Axis (H) BLUE
Vertical Axis (V) RED
Maximum Candela = 17407.13 at 9 H -4 V

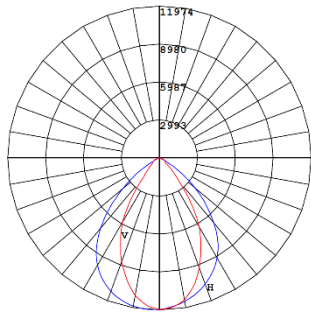


Horizontal Axis (H) BLUE
Vertical Axis (V) RED
Maximum Candela = 9142.21 at 2 H 0 V



Horizontal Axis (H) BLUE
Vertical Axis (V) RED
Maximum Candela = 20773.21 at -3 H 0 V

POLAR CANDELA CURVE LHF-120 (60X90 DEGREE)



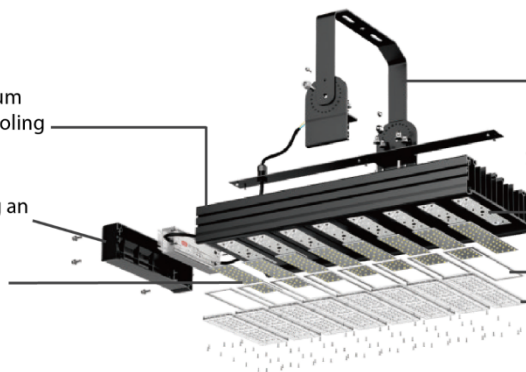
Horizontal Axis (H) BLUE
Vertical Axis (V) RED
Maximum Candela = 11973.77 at -4 H 0 V

Exploded Drawing

High quality, powder coated aluminum housing with exceptional thermal cooling capabilities.

Water tight driver housing providing an IP67 rating.

Ultra-efficient LEDs delivering up to 130lm/W.



Adjustable bracket for wall, mast or suspension installations

Premium thermal paste for increased heat transference (LED PCB to aluminum housing).

High-grade silicone seals throughout (IP67).

Precise optics providing various distribution patterns

