

# TrÉbon™ High Mast



450W Smart High Mast Light  
LX-HM-450

## FEATURES

- Flexible, modular design
- Multiple choice of optical lenses
- Advanced, vortex air flow thermal management
- Easy, low cost maintenance and repair
- UL, CUL certified to wet location

## TYPICAL APPLICATIONS

- Public Square
- Stadiums
- Fields
- Overpasses
- Docks

## SPECIFICATIONS

### PERFORMANCE

LED Chip	CREE XT-E
Lumen Output (IES)	43,296 lm
Power Consumption	458 W
Efficacy (IES)	94 lm/W
Beam Angle	30°, 45°
Color Temperature	5000K (3000 or 4000K Optional)
CRI	≥70
Lumen Maintenance	L70>150,000 hours (Calculated Using TM-21 Calculator)
Input Voltage	100-277 VAC (Dimming Optional)
Power Factor	0.95 minimum
Surge Protection	Per IEC 61000-4-5
EMI	EMC Per EN 55015

### ENVIRONMENTAL

IP Rating	IP65
Operating Temperature	-30 to 55°C (-22 to 131°F)
Humidity	15% to 90% RH

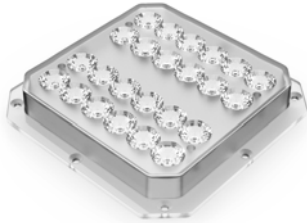
### PHYSICAL

Dimensions (L×W×H)	22.0×22.0×7.1 in
Weight	22.5 kg (49.6 lbs)
Mounting Options	Universal Hanging Bracket, Mounting Bracket c/w Clapping Ring
Fixture Material	Aluminum Alloy

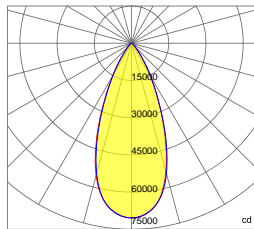
### WARRANTY

5 Years

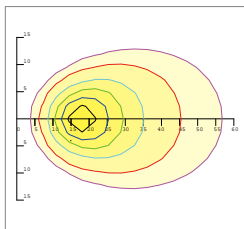
**Photometrics**



**45 DEGREE LENS**



— 0.0~180.0  
— 90.0~270.0



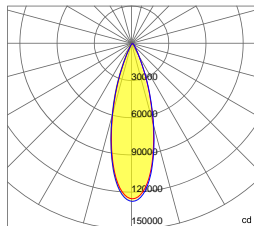
Mounting Hight 18m, 60 Tilt,  
50LUX-5LUX

Illumination-45 Degree Beaming Angle		
Height	Beam Diameter	LUX
20m	φ 17m	170LUX
25m	φ 21m	109LUX
30m	φ 25m	75LUX
35m	φ 29m	55LUX
40m	φ 33m	42LUX

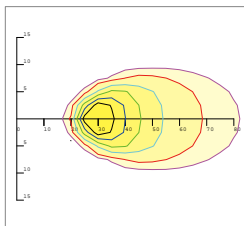
Beam Angle (50% max)	45 DEG
Field Angle (10%)	73 DEG
Luminous Flux (IES)	43,296 lm
Light Efficacy (IES)	94 lm/W
NEMA Type	5H x 5V
BUG Rating	B5-U1-G1
UGR	15
Cutoff Classification	Cutoff



**30 DEGREE LENS**



— 0.0~180.0  
— 90.0~270.0

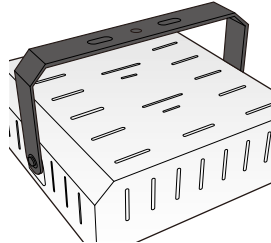


Mounting Hight 25m, 60 Tilt,  
50LUX-5LUX

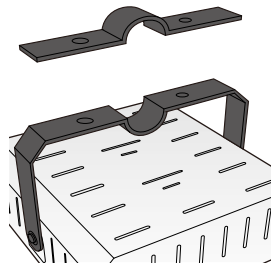
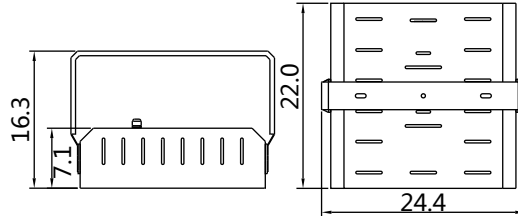
Illumination-30 Degree Beaming Angle		
Height	Beam Diameter	LUX
20m	φ 11m	424LUX
30m	φ 16m	189LUX
40m	φ 21m	107LUX
50m	φ 27m	68LUX
60m	φ 32m	47LUX

Beam Angle (50% max)	35 DEG
Field Angle (10%)	48 DEG
Luminous Flux (IES)	41,641 lm
Light Efficacy (IES)	91 lm/W
NEMA Type	3H x 3V
BUG Rating	B5-U1-G1
UGR	15
Cutoff Classification	Cutoff

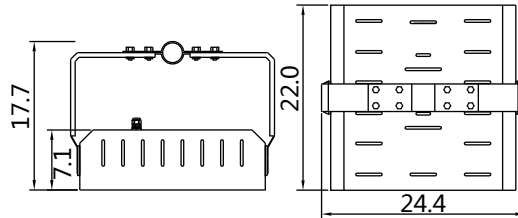
**Mounting Options**



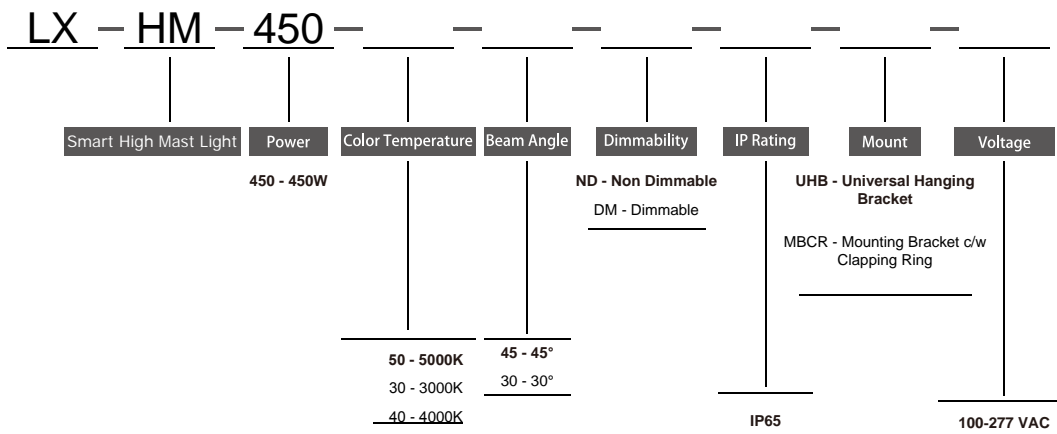
Universal Hanging Bracket



Mounting Bracket c/w Clapping Ring



**Ordering Information**



Ordering Example:  
LX-HM-450-50-45-ND-IP65-UHB-100-277

