



www.truelite.us

ABLAZE

SERIES-U: LED HIGH MAST LIGHT

450W

The introduction of innovative technologies and advanced lighting systems has resulted in a rapid development of high masts from simple floodlight poles to integrated systems for large area and highway lighting. Truelite High Mast luminaries are designed to replace conventional high mast lighting fixtures. Its compact design allows increased mounting versatility and ease of installation. High mast lighting as a concept in area lighting is being preferred over conventional lighting, especially where large areas are to be illuminated without the need for numerous lighting columns that under certain circumstances can be a hazard to movement. This is possible because the high mast lighting system achieves very large space to height ratios. Our range divided into specific models for varying lighting needs, from large industrial areas to sports grounds, highways and street furniture installations in general.

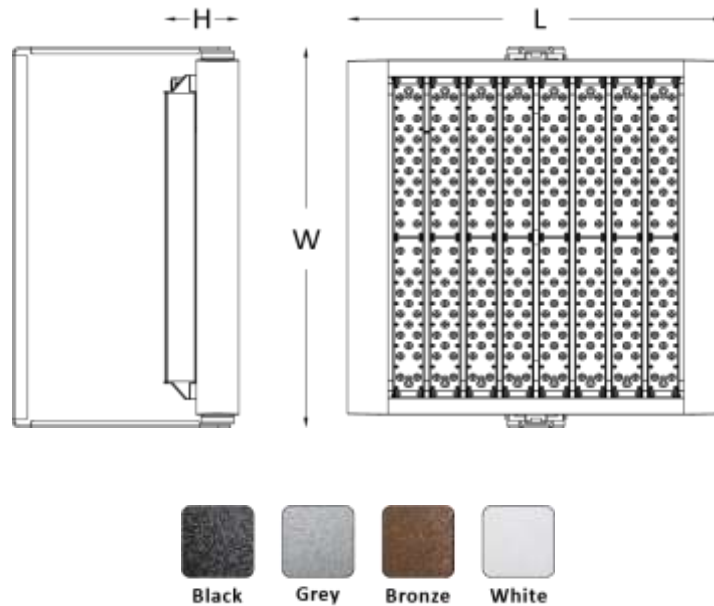
Features

- Wide input voltage range
- High power factor
- Low harmonic Distortion
- High driver efficiency
- Wide working ambient temperature.
- High luminous efficiency
- Eco friendly, no harmful element like lead and mercury
- Special heat release system & lamp body
- Special finish process and good looking
- Easy and convenient installation
- Seven beam angle options are available
- Low electromagnetic emission
- Maintenance free.
- Resistant to shock and vibration
- Temperature compensation technology for long life
- Unique optical design for better light distribution and uniformity
- CE, RoHS Certification

Product Specification

Electrical Data	
Operating Voltage	AC 120 ~ 277 VAC
Frequency	50/60Hz
Driver Power Efficiency	>90%
Rated power	450W
No of LEDs	216
Power Factor(PF)	>0.95
Total Harmonic Distortion	< 15%
Power supply	Isolated type, Meanwell
Dimming	No
Light Data	
Color Temperature	3000-7000K
Color Rendering Index	>70
Beam Angle	60°,90°,120°
Efficacy of led	120lm /W
Light distribution curve	Symmetric/Rectangle (60*135 degree)
Luminous flux	54000 lm
Illuminance Uniformity	0.8
Led chip	Philips Lumileds
Service Life	>50000 Hours
Environmental Data	
Working Ambient Temperature	-40° To +55°
Storage temperature	-25° To +65°
IP Grade	IP 67
Relative Humidity(RH)	10%-95%
Cooling	Conventional
Certificate	UL/ CUL /DLC/ LM79 / CB/CE/ RoHS /IK08
Mechanical Data	
Product finish	Black/Grey/Bronze/White
Light Fixture Material	Aluminum body + PC
Dimension	502 x 680 x 123(mm) 19.76" x 26.77" x 4.84"
Weight	21.68(47.80lbs)
Luminaire Fixing	Surface, Pole, Suspend etc.

Fixture



Application Area

Wide range of Truelite high mast lighting fixtures provide specific light patterns for your high mast lighting applications, Airport lighting, Auto dealership lighting, Architecture lighting, Industrial & warehouse lighting, High mast lighting, Stadium lighting, including maintenance lighting, warehouse lighting, recreation center lighting, hangar lighting, supermarkets, exhibition halls, gymnasiums and storage lighting. Truelite high bay lighting fixtures provide industrial and commercial

Ordering Code

MODEL	OPTIC LENS	CCT(ANIS)	OPTICAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
TLFLD450-U	T1M Type I Medium	30K	BK** Black (RAL:9011)	00 Not required	Bird Spike
	T2M Type I Medium	3045 ± 175K	GR Grey (RAL:7004)	04 DALI	10KA/20KA Surge Protection Device
	T3M Type III Medium	40K** 3985 ± 275K	WH White (RAL:9010)	05 0-10VDimming	Back Light Shield
	T3L Type III Long	50K**	BZ Bronze (RAL:8014)		Safety Cable
	T4S Type IV Short	5028			
	T5U Average beam angle 10°	± 283K			
	T5V Average beam angle 25°	57K 5665			
	T5W Average beam angle 40°	± 355K			
	T5S Average beam angle 60°				
	T5M Average beam angle 90°				
	T5L Average beam angle 120°				
	T5D Diffuser				

Example 1: TLFLD450-U-T5S-50K-GR-00

Example 2: TLFLD450-U-T5U-50K-BK-01



