

High-Output LED Flood Lights and HighBays

StaxMAX™ Series

HBMB
 bracket


*Each StaxMAX™ flood fixture module can be configured with either narrow, medium or wide optics.


AYMB
 bracket

PRODUCT DESCRIPTION:

Ideal for car dealerships, sports parks, golf driving ranges, facades, general area and high bay appliance, the StaxMAX™ is a unique and flexible system, comprised of self-contained modular elements, allowing variability in both lumen output and light distributions. The StaxMAX™ can be specified in one-, two- or three- 135 watt modules or in a triple 180 watt module configuration where each module can have one or three available optical distributions. In total, the StaxMAX™ is capable of replacing up to 1500W metal halide fixtures.

FEATURES:

- From 11,760 lumens up to 56,910 lumens
- Modular housing design – up to three modules can be combined
- 22-, 55- and 120-degree open beam for various types of applications
- Standard curved armed or high-bay yoke bracket options
- IP65-rated unit with IP67-rated connections
- Pole tenon mount bracket accessory available
- Discreet J-Box on each frame enables easy field install
- 120-277 universal voltages with 347- and 480-volt available by custom order
- CRI: >76, CCT: 5000K (nominal)
- 50,000 hour life (L70)
- Multiple circuits on each module guard against full module light outage
- 4Kv driver integral surge protection standard; 20KV surge protection available
- Optional photo control receptacle
- 5 year limited warranty

MODEL SELECTION (Full list of order codes on pg. 3)

Typical order example: ELLF405UC50H

ELLF									
FAMILY	WATTAGE	VOLTAGE	DISTRIBUTION	(CCT)	MOUNTING BRACKET	PC & SS OPTION	ID OPTION	COLOR	
ELLF= High Output Flood	135= 135W 180= 180W 270= 270W 360= 360W 405= 405W 540= 540W	U= 120-277V 4= 347-480V ^{1,2}	N= Narrow 22° M= Medium 22° W= Wide 120° C= Custom ³	50= 5,000K	OMIT= AYMB (Flood) H= HBMB (Highbay)	OMIT= None FPS= (See notes #4) FPS2= (See notes #5) APS= (See notes #6) APS2= (See notes #7) FS= (See notes #8) FS2= (See notes #9)	OMIT= None STBR= (See notes #10)	OMIT= Gray (Std) W= White ¹ B= Bronze ¹	

ACCESSORIES

ORDER CODE	MODEL NUMBER	DESCRIPTION	ACCESSORIES IMAGE
72881	PTMB	Pole Tenon Mount bracket (To be used with HBMB bracket only)	
72882	HBMB	High Bay Mount bracket	

NOTES:

1. Custom Colors and 347V and 480V models are special order, contact MaxLite for MOQ and lead time
2. 540W model not available with 347-480V
3. Surge Suppressor for U (120-277V) would be 277V – 20kV, Surge Suppressor for 4 (347-480V) would be 480V – 20kV
4. Fixed Bracket w/Photo control receptacle and 20KV Surge Suppressor⁹. With 3ft - 12 AWG whip - 3 conductor (Black/White/Green)
5. Fixed Bracket w/Photo control receptacle and 20KV Surge Suppressor⁹. With 3ft - 12 AWG whip - 2 conductor (Black/White)
6. Adjustable Bracket w/Photo control receptacle and 20KV Surge Suppressor⁹. With 3ft - 12 AWG whip - 3 conductor (Black/White/Green)
7. Adjustable Bracket w/Photo control receptacle and 20KV Surge Suppressor⁹. With 3ft - 12 AWG whip - 2 conductor (Black/White)
8. Fixed Bracket w/20KV Surge Suppressor⁹. With 3ft - 12 AWG whip - 3 conductor (Black/White/Green)
9. Fixed Bracket w/20KV Surge Suppressor⁹. With 3ft - 12 AWG whip - 2 conductor (Black/White)
10. Adjustable Stencil Bracket w/NEMA wattage designation

CONSTRUCTION:

Die cast aluminum body with heat sinking across the full module, enabling a long fixture life

- Stainless steel bushing and adjustment plates
- Tempered glass lens
- Polished and plated optical reflectors
- 6'-18/3 shielded power feed cord included standard
- Yoke mount includes 270 deg. pivot base plate and integrated arm with side protractor for field aiming

SPECIFICATIONS:

		ELLF135XXX	ELLF180XXX	ELLF270XXX	ELLF360XXX	ELLF405XXX	ELLF540XXX
ITEM	SPECIFICATION	DETAILS			DETAILS		
GENERAL PERFORMANCE	Color Temperature (CCT)	5000K			5000K		
	CRI	76			76		
	Lumens Delivered (lm)	Up to 12,400	Up to 18,970	Up to 24,800	Up to 37,940	Up to 37,000	Up to 56,910
	Efficacy (lm/W)	87 to 90	96 to 105	87 to 90	95 to 105	87 to 90	96 to 105
	L70 @ 25°C	50,000 Hours			50,000 Hours		
ELECTRICAL	Power Consumption	135W	180W	270W	360W	405W	540W
	Power Factor	>0.9			>0.9		
	Input Voltage	120V-277V or 347-480V	120V-277V	120V-277V or 347-480V	120V-277V	120V-277V or 347-480V	120V-277V
PHYSICAL	Dimensions	20.4" x 7.4" x 9.2"	20.4" x 7.4" x 9.2"	21.4" x 14.5" x 13.7"	21.4" x 14.5" x 13.7"	21.1" x 19.6" x 16.7"	21.1" x 19.6" x 16.7"
	EPA	0.9 sq. ft	0.9 sq. ft	1.8 sq. ft	1.8 sq. ft	2.7 sq. ft	2.7 sq. ft
	Weight	14 lbs	14 lbs	26 lbs	26 lbs	37 lbs	37 lbs
	Housing	Die cast aluminum with powder coat paint			Die cast aluminum with powder coat paint		
	Mounting	Module is trunnion mounted to carriage with 270 degree pivoting bolt pattern			Module is trunnion mounted to carriage with 270 degree pivoting bolt pattern		
	Operating Temperature	-30°F to 130°F			-30°F to 130°F		
APPLICATION	Certification	cULus, FCC, LM79, LM80,	cULus, FCC, LM79, LM80, DLC	cULus, FCC, LM79, LM80,	cULus, FCC, LM79, LM80, DLC	cULus, FCC, LM79, LM80	cULus, FCC, LM79, LM80
	Material Usage	RoHS compliant; no mercury			RoHS compliant; no mercury		
	Environment	IP65			IP65		
	Humidity	5% - 90% RH, non condensing			5% - 90% RH, non condensing		
	Warranty	5 Year			5 Year		



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ORDERING*:

ORDER CODE	MODEL	WATTS	VOLTAGE	DISTRIBUTION	LUMENS
73766	ELLF1354M50H	135	347- 480V	Medium (55°)	12,130
72619	ELLF1354N50	135	347- 480V	Narrow (22°)	12,400
72817	ELLF1354W50	135	347- 480V	Wide (120°)	11,760
71929	ELLF135UM50	135	120- 277V	Medium (55°)	12,130
71928	ELLF135UN50	135	120- 277V	Narrow (22°)	12,400
71930	ELLF135UW50	135	120- 277V	Wide (120°)	11,760
73103	ELLF135UW50H	135	120- 277V	Wide (120°)	11,760
73417	ELLF2704M50H	270	347- 480V	Medium (55°)	24,240
72948	ELLF2704W50	270	347- 480V	Wide (120°)	23,520
73051	ELLF2704W50H	270	347- 480V	Wide (120°)	23,520
72822	ELLF270UC50	270	120- 277V	Custom	-
71932	ELLF270UM50	270	120- 277V	Medium (55°)	24,240
73507	ELLF270UM50H	270	120- 277V	Medium (55°)	24,240
71931	ELLF270UN50	270	120- 277V	Narrow (22°)	24,800
71933	ELLF270UW50	270	120- 277V	Wide (120°)	23,520
72958	ELLF270UW50H	270	120- 277V	Wide (120°)	23,520
72816	ELLF4054M50	405	347- 480V	Medium (55°)	37,200
73121	ELLF4054M50H	405	347- 480V	Medium (55°)	36,360
72927	ELLF4054N50	405	347- 480V	Narrow (22°)	37,200
73122	ELLF4054N50H	405	347- 480V	Narrow (22°)	37,200
72489	ELLF4054W50	405	347- 480V	Wide (120°)	35,280
73416	ELLF4054W50H	405	347- 480V	Wide (120°)	35,280
72604	ELLF405UC50	405	120- 277V	Custom	-
72983	ELLF405UC50H	405	120- 277V	Custom	-
71935	ELLF405UM50	405	120- 277V	Medium (55°)	36,360
73611	ELLF405UM50H	405	120- 277V	Medium (55°)	36,360
71934	ELLF405UN50	405	120- 277V	Narrow (22°)	37,200
72956	ELLF405UN50H	405	120- 277V	Narrow (22°)	37,200
71936	ELLF405UW50	405	120- 277V	Wide (120°)	35,280
73119	ELLF405UW50H	405	120- 277V	Wide (120°)	35,280
73461	ELLF540UM50	540	120- 277V	Medium (55°)	54,000
72949	ELLF540UN50	540	120- 277V	Narrow (22°)	51,360
73460	ELLF540UW50	540	120- 277V	Wide (120°)	56,910

*Please contact your MaxLite representative to order products that don't have order codes listed here.