



Introducing the third generation of the proven EcoMod[®] Series
Expertly engineered with durable, marine grade components and various optic options
Numerous bracket options to easily retrofit to existing hole patterns

Custom designed, high temperature optics improve safety, increase efficiency and maximize operator comfort

Key Applications

- Ship-to-Shore (STS) cranes
- Rubber Tired Gantry (RTG) cranes
- Mobile harbor cranes (MHC)
- Interior and exterior uplighting
- Facility and perimeter lighting
- Deck flood lighting
- Airport hangars
- Overhead cranes
- Bridges and parking lots
- Aft wheelhouse lighting
- Vessel perimeter lighting

Designed to Meet

ETL/cETL Certified to:

- UL 1598 Suitable for Wet Locations
- UL 1598A Marine Outside Type (Saltwater)
- CSA C22.2 No. 250.0

CE

IP66

ABS

DLC (contact factory)

LM79 and LM80 reports available

Specifications

Construction	Marine grade, powder coated cast aluminum housing Adjustable powder coated steel mounting harp
Finish	Black thermoset powder coat 2-step finish
Hardware	Marine grade (316) stainless steel

Specifications

Lens	Clear, tempered glass
Surge protection	20kV (20kA)
Light source	Up to 121W (LO), up to 231W (HI), up to 438W (MAX) Up to 15,000 lumens (LO) Up to 30,000 lumens (HI) Up to 52,500 lumens (MAX) Cool white 5000K (50K), neutral white 4000K (40K), warm white 2700K (27K) LED options CRI > 70 50,000 hour rated life
Power source	120-277V, 50-60Hz; 277-480V, 50-60Hz Overload, over-voltage, over-temperature and short-circuit protection 0-10V dimming option (DIM) Stranded wires
Wiring	17 gauge, 3 conductor cord - 72.00 inch (1829 mm) with pigtail - standard Through wire optional (TW) (no cord provided) Standard cord grip 0.37 inch - 0.50 inch (9.5 mm - 12.7 mm)
Ambient operating temperature	-40°C to + 60°C (LO & HI models) -40°C to + 50°C (MAX model)
Mounting	Indexed aiming and lockable in 5° increments Boom mount kit (sold separately) 6G at resonant frequency
Vibration	
Weight	LO - 31.0 lb (14.1 kg) HI - 39.6 lb (18.0 kg) MAX - 49.2 lb (22.3 kg)
Safety cable	Safety cable included
Warranty	5 years



This product complies with domestic preference requirements such as BAA or TAA.

For IES files, see website or contact factory

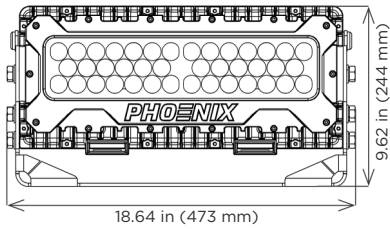


EcoMod® 3 Series

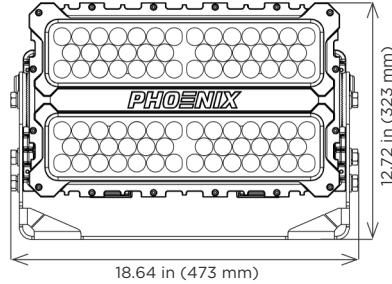
Heavy Duty LED Floodlight

Dimensions

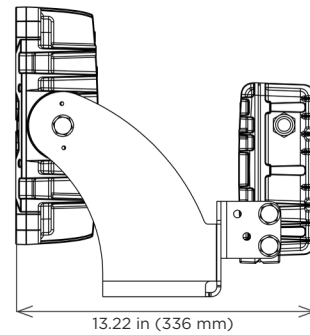
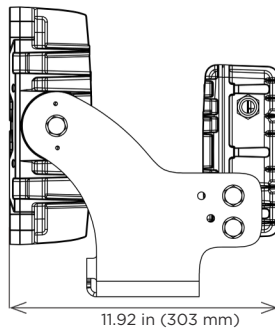
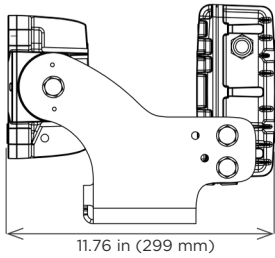
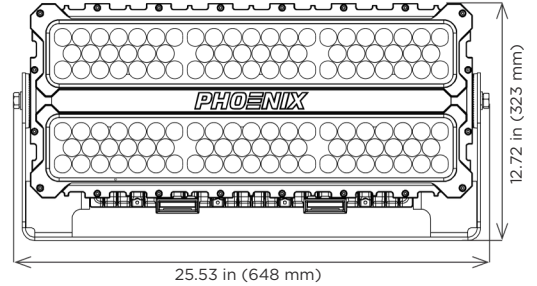
LO Model



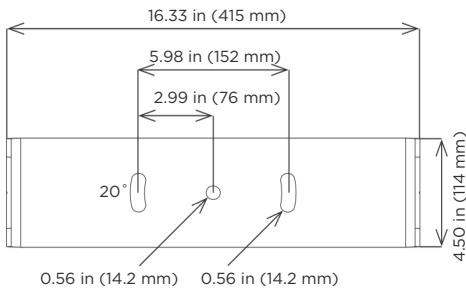
HI Model



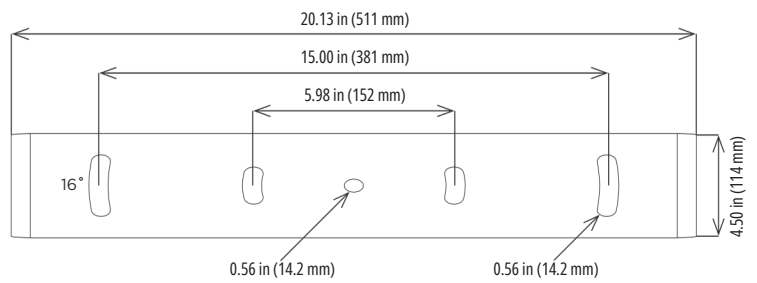
MAX Model



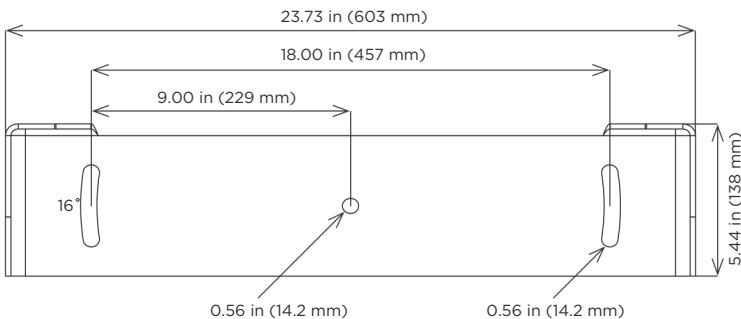
LO Model



HI Model



MAX Model



EcoMod® 3 Series

Heavy Duty LED Floodlight



Ordering Information

Example: EM3-HI-MF-120-277-50K-DIM

Fixture	Model	Optic	Voltage	Color Temperature	Options	Alternative Brackets
EM3	LO	WF	120-277	50K	DIM	B1 1
	HI	MF	277-480	40K 1	2	B2 1
	MAX	WS		27K 1	TW	
		SP			2	
		NS				
		VS				
		NG				

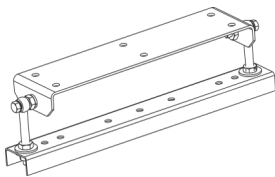
Model	Optic	Voltage	Color Temperature	Options	Alternative Brackets
LO up to 121W	WF Wide flood	120-277	50K Cool white	DIM2 Dimmable (0-10V)	B11 Alternative bracket 1
HI up to 231W	MF Medium flood	277-480	5000K LEDs	TW2 Through wire	B21 Alternative bracket 2
MAX up to 438W	WS Wide spot		40K1 Neutral white		
	SP Spot		4000K LEDs		
	NS Narrow spot		27K1 Warm white		
	VS Very narrow spot		2700K LEDs		
	NG No-glare/perimeter				

Notes

- Contact factory for availability/more information
- DIM & TW are not available together

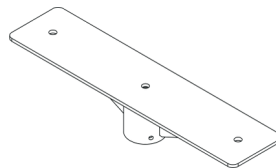
Special Projects: We may be able to accommodate your special projects, so please don't hesitate to ask about additional options. Minimum order quantities and/or extended lead times will apply. Contact your Phoenix representative with specific inquiries.

Accessories (order separately)



Boom Mount Kit

BMK-LO/HI (LO & HI models only)
BMK-MAX (MAX models only)



2 3/4 inch Tenon Mount

PTM-LO/HI (LO & HI models only)
PTM-MAX (MAX models only)

