



Third generation floodlight designed to withstand the world's harshest and most demanding environments

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

Optional Amber LEDs increase visibility and productivity in high fog, dust, and snowy conditions

Robust construction ideal for high vibration, high temperature and hazardous applications

Key Applications

- Draglines
- Electric rope shovels
- High bay lighting
- Waterline perimeter lighting
- General deck flood lighting
- Portal crane lighting
- Vessel perimeter lighting
- Aft wheelhouse lighting
- Deck flood lighting
- Bulk handling
- Chemical processing & storage
- Wastewater treatment plants
- Maintenance hangars
- Hazardous locations

Compliances

ETL/cETL Certified to:

- UL 1598 Suitable for Wet Locations
- UL 1598A Marine Outside Type (Saltwater)
- UL 844 Hazardous Location (pending)
 - Class I, Division 2 Groups A, B, C, D
- CSA C22.2 No. 250.0
- CSA C22.2 No. 137

CE

ABS

IP66

IP67

IP69K

DLC (contact factory)

LM79 and LM80 reports available

FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions.



This product complies with domestic preference requirements such as BAA or TAA.
For additional information, visit phoenixlighting.com or consult your representative.

Specifications

Construction	Marine grade cast aluminum housing Adjustable powder coated steel mounting harp
Finish	Black thermoset powder coat 2-step finish
Hardware	Marine grade (316) stainless steel
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 (50K) or Amber (AM) LEDs CRI > 70 - standard Other CCT options available - contact factory 50,000 hour rated life
Power source	120-277V, 50-60Hz; 277-480V, 50-60Hz 0-10V dimming option (DIM) Overload, over-voltage, over-temperature and short-circuit protection
Wiring	72.00 inch (1829 mm) cord with pigtail Stranded wires Ability to continuous row mount
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 Alternative brackets to match legacy hole patterns (BI)
Vibration	6G at resonant frequency
Weight	LO - 31.0 lb (14.1 kg) HI - 39.6 lb (18.0 kg) MAX - 49.2 lb (22.3 kg)
Warranty	5 years

For IES files, see website or contact factory

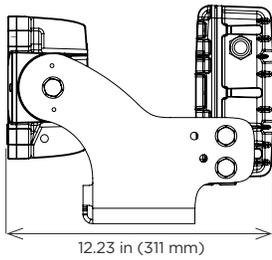
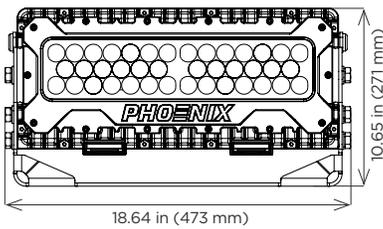
ModCom[®] 3 Series

Heavy Duty LED Floodlight

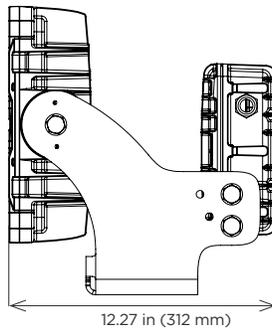
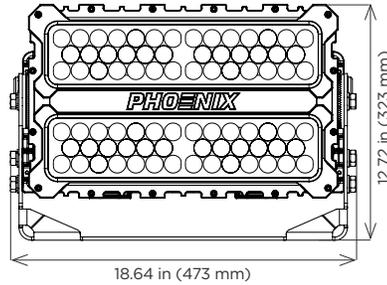
PHOENIX[®]
DURABILITY X DESIGN™

Dimensions (Standard)

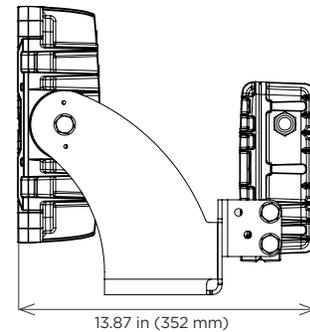
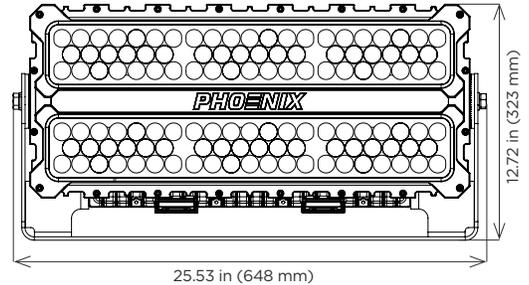
LO Model



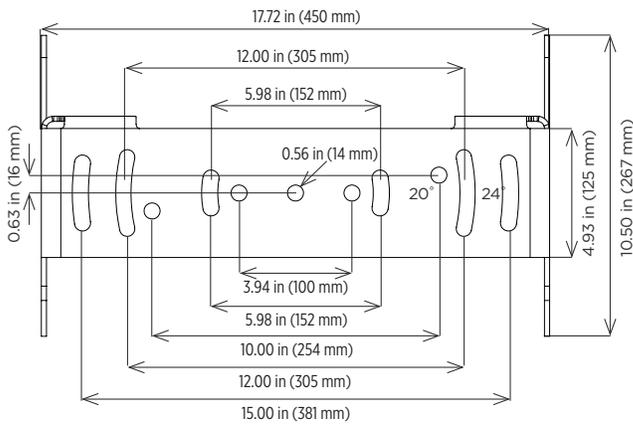
HI Model



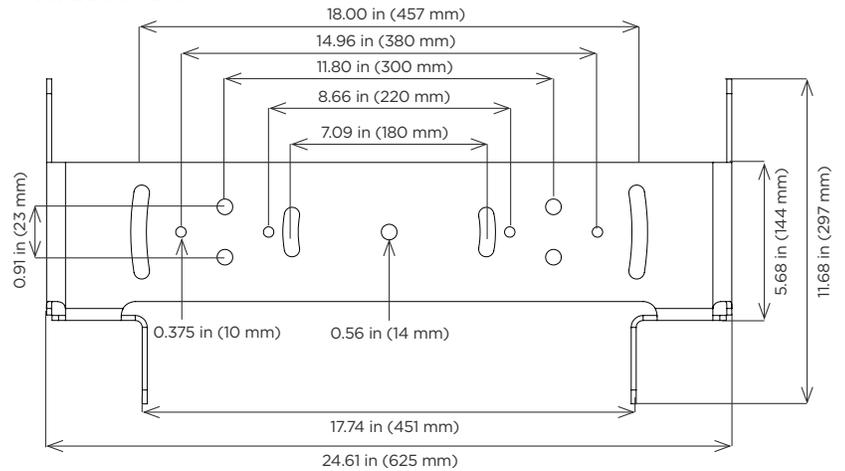
MAX Model



LO & HI Model

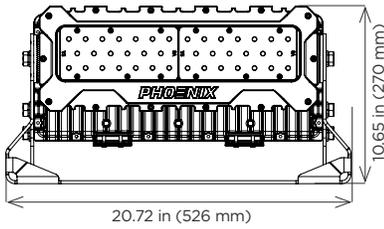


MAX Model

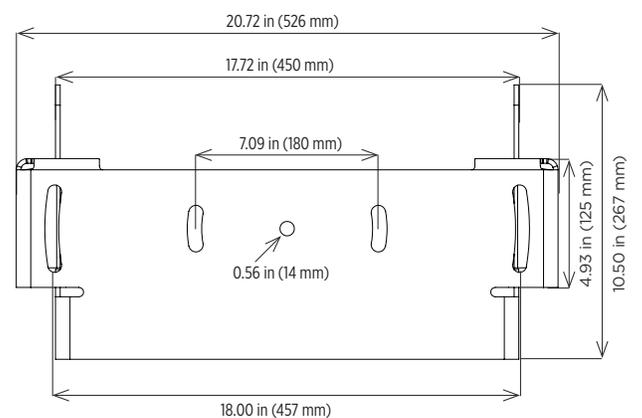
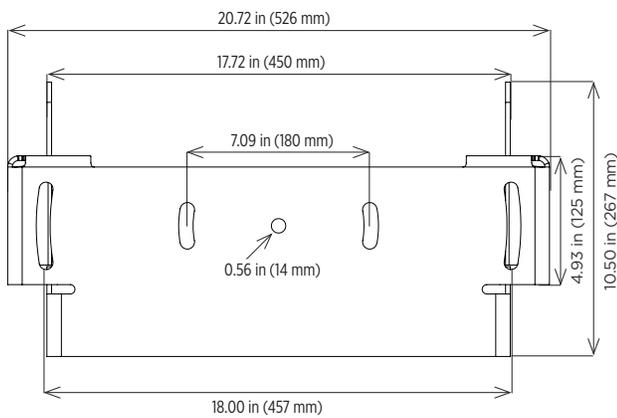
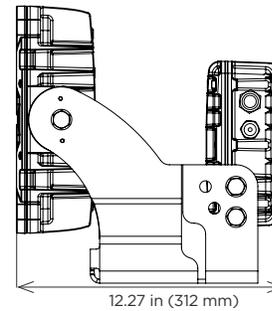
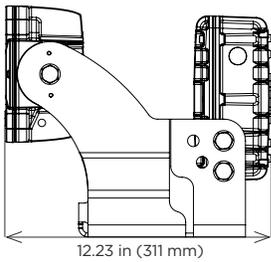
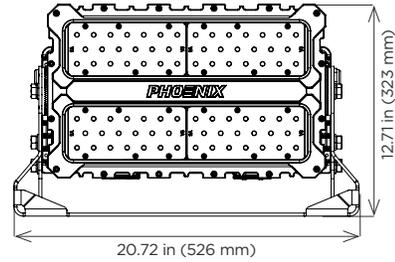


Dimensions (Alternative Bracket 1, B1)

LO Model (B1)



HI Model (B1)



ModCom[®] 3 Series

Heavy Duty LED Floodlight



Ordering Information

Example: MC3-LO-MF-120-277-50K

Fixture	Model	Optic	Voltage	Color Temperature	Options	Alternate Bracket ²
MC3	LO	WF	120-277	50K	DIM	B1 ³
	HI	MF	277-480	AM ¹		
	MAX	WS				
		SP				
		VS				
		NG				

Model	Optic	Voltage	Color Temperature	Options
LO up to 121W	WF Wide flood	120-277	50K Cool white (5000K) LEDs	DIM Dimmable (0-10V)
HI up to 231W	MF Medium flood	120-277V, 50-60Hz	50K Cool white (5000K) LEDs	DIM Dimmable (0-10V)
MAX up to 438W	WS Wide spot	277-480	AM ¹ Amber LEDs	
	SP Spot	277-480V, 50-60Hz		
	VS Very narrow spot			
	NG No-glare/perimeter			

Alternate Bracket²

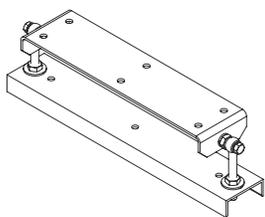
B1³ Alternate bracket B1

Notes

- 1 Lower light output than standard cool white models
- 2 Leave blank for standard mounting bracket
- 3 Accommodates original ModCom[®]/MRSE[®] mounting pattern (LO & HI only). Replaces the mounting adapter bracket (AMB-MC2) used on ModCom 2[®].

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.

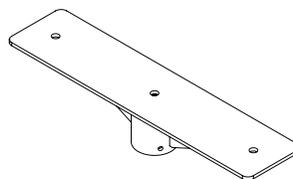
Accessories (order separately)



Boom Mount Kit
BMK-LO/HI/MAX



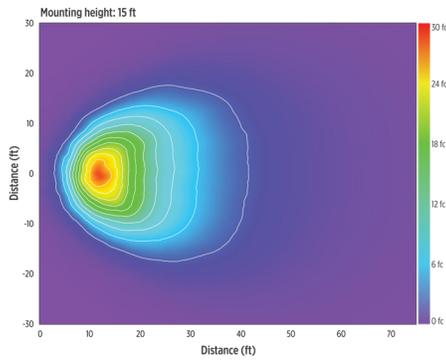
Safety Cable Kit
SFCB-EM/MC



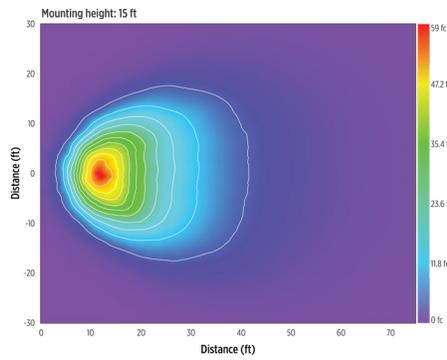
2 3/4 inch Tenon Mount
PTM-LO/HI
(LO & HI models only)
PTM-MAX
(MAX models only)

Isolux Charts

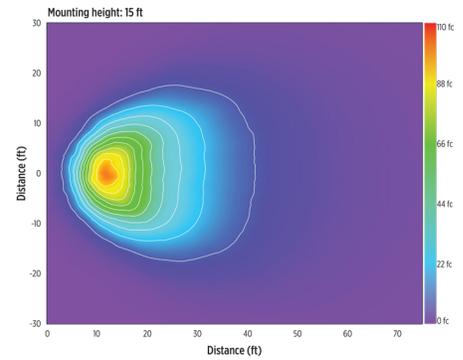
MC3-LO - Medium Flood



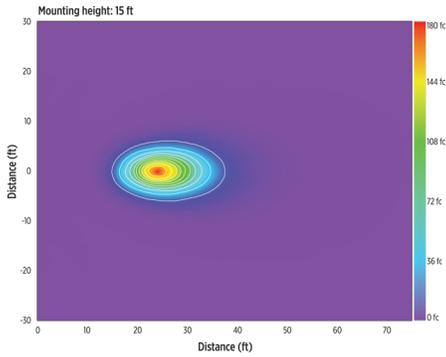
MC3-HI - Medium Flood



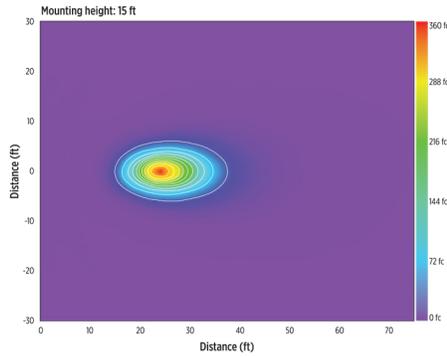
MC3-MAX - Medium Flood



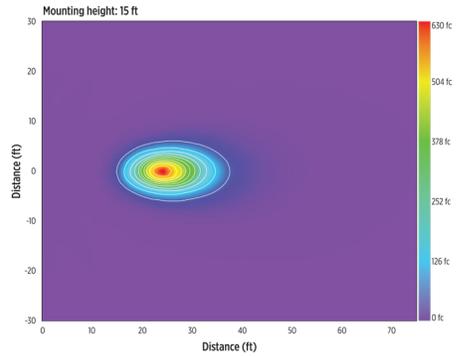
MC3-LO - Very Narrow Spot



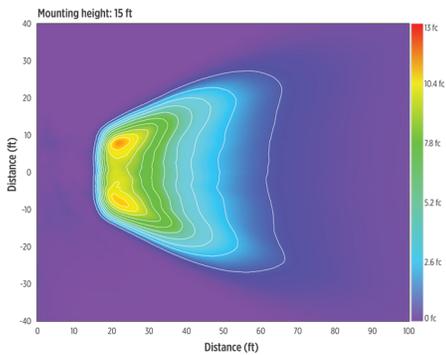
MC3-HI - Very Narrow Spot



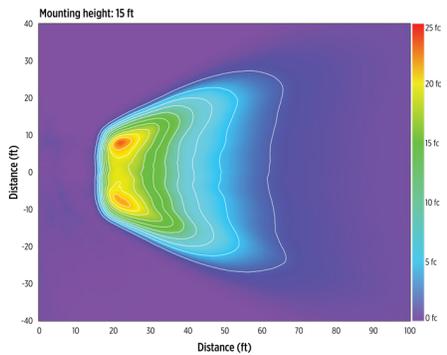
MC3-MAX - Very Narrow Spot



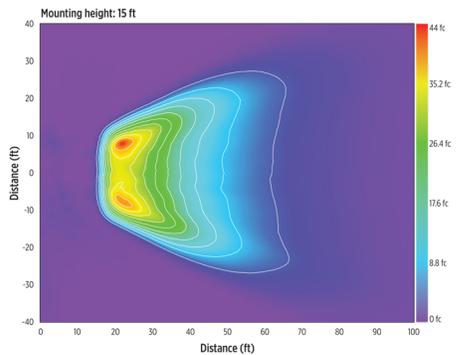
MC3-LO - No-Glare



MC3-HI - No-Glare



MC3-MAX - No-Glare



Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found at www.phoenixlighting.com.