PHOENIX®
DURABILITY X DESIGN™

Highland® Series

High Mast & Area LED Floodlight

Premium fixture enhances productivity, safety and security
Designed to withstand the world's harshest environments
500 model delivers up to 80,000 lumens and replaces 1000W HID fixtures
250 model delivers up to 40,000 lumens and replaces 400W HID fixtures
High efficacy lighting with greater than 140 lumens per watt

Key Applications

Large area high mast
Roadway high mast
Shipyard high mast
Container yard high mast
Hangar lighting
Aviation ramps and aprons
Prison large areas
Military bases
Industrial facilities

Compliances

UL/cUL Listed to:

- UL 1598 Suitable for Wet Locations
- UL 8750 for LED Equipment
- CSA C22.2 No. 250.0

DLC
International Dark Sky Association approved (WW options)
IP66 (without twist-lock receptacle)

Specifications

Construction	High strength, AL5052 aluminum Built-in, adjustable visor (optional - GG)
Finish	Weather-resistant powder coat
Hardware	Marine grade stainless steel
Light source	Premium LED modules 250 model, up to 265W and 40,000 lumens 500 model, up to 530W and 80,000 lumens CCT: Cool white (5000K), neutral white (4000K), warm white (3000K) UV-resistant, polycarbonate lens
Lifetime	50,000 hours at up to 45°C 100,000 hours at up to 35°C
Power source	90 - 305 VAC, 50/60 Hz (120-277V) 249 - 528 VAC, 50/60 Hz (277-480V) Waterproof to IP67 20kV/10kA surge protection
Power factor	> 0.9 at 277V
Ambient operating temperature	-40°C to +45°C
Mounting	Trunnion mount (standard); 5° indexed aiming Pipe mount (optional) accommodates NPS 2.00 inch (2.38 inch OD)
Fixture weight	250 model - 31 lb (14.1 kg) 500 model - 39.5 lb (17.9 kg)
EPA (wind load)	250 model - 0.96 sq. ft. (0.09 m2) 500 model - 1.21 sq. ft. (0.11 m2)
Warranty	5 years

For IES files, see website or contact factory

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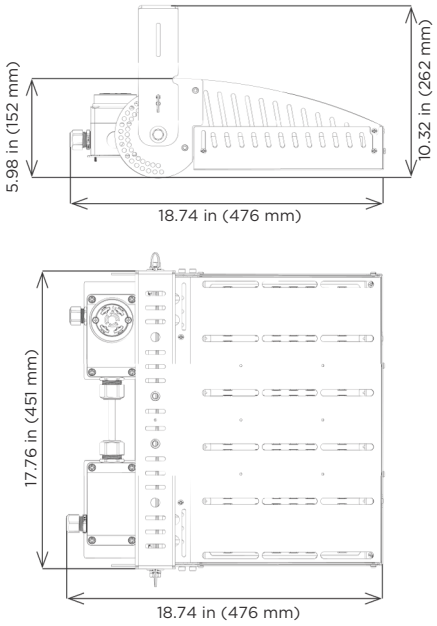
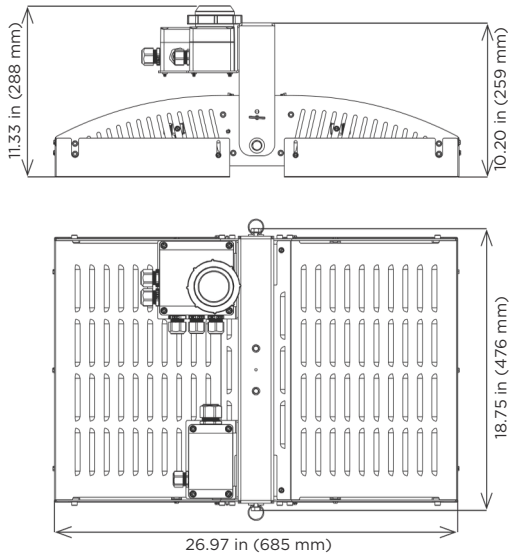
Dimensions

Note: Models shown with twist-lock receptacle option.

250 Model



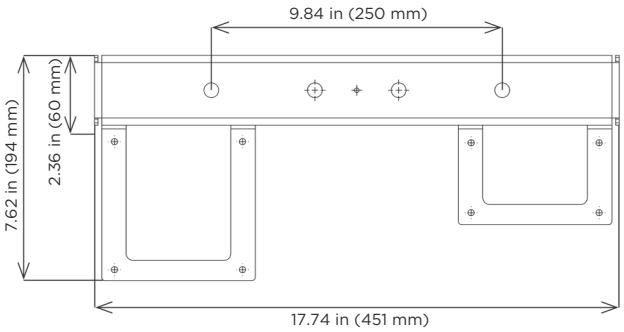
500 Model



Mounting

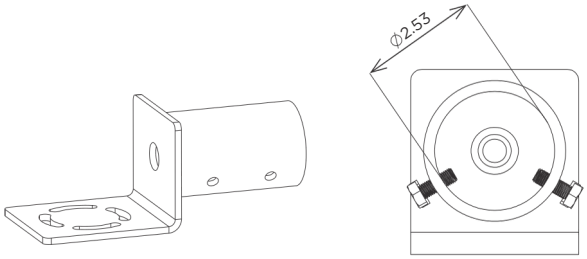
Trunnion Mount

(standard)



Pipe Mount Kit

PM



Ordering Information

Example: HL-500-LX-277-480-NW-TR-PM-GG 1

Fixture	Model	Optic	Voltage	CCT2	Options
HL	250	LT	120-277	CW	PM
	500	LQ	277-480	NW	GG 4
		LR		WW 4	TR 1, 3, 5
		LZ			
		LV			
		LX			

Model

250	Up to 265W and 40,000 lumens
500	Up to 530W and 80,000 lumens

Optic

LT	Narrow spot
LQ	Medium spot
LR	Wide spot
LZ	Type II
LV	Type IV
LX	Type V

Voltage

120-277	120-277V, 50-60Hz
277-480	277-480V, 50-60Hz

CCT 2

CW	Cool white LEDs (5000K)
NW	Neutral white LEDs (4000K)
WW 4	Warm white LEDs (3000K)

Options

PM	Pipe mount, accommodates NPS 2.00 inch (2.38 inch OD)
GG 4	Glare guard
TR [1, 3, 5]	Twist-lock receptacle (required for Synapse® Lighting Controller)

Notes

1. TR comes standard with shorting cap
2. Additional color temperatures available upon request
3. IP63 with twist-lock receptacle
4. International Dark Sky Association approved
5. Dimming when using Synapse® TL7 Controller

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)

Twist-lock Photocontrol
KIT, HM-PC-120 (120-277V)
KIT, HM-PC-480 (480V only)

Synapse® Twist-lock Lighting Controller
SYN-TL7-HVG (120-480V)

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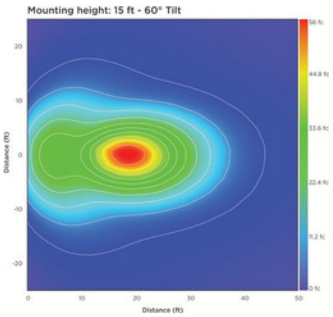
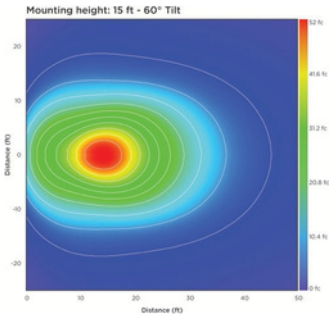
Isolux Charts

Charts shown reflect cool white LEDs.

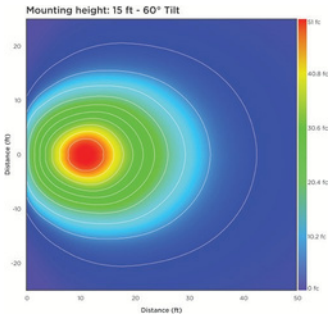
Highland 250 - LT



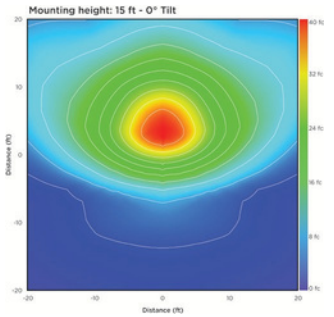
Highland 250 - LQ



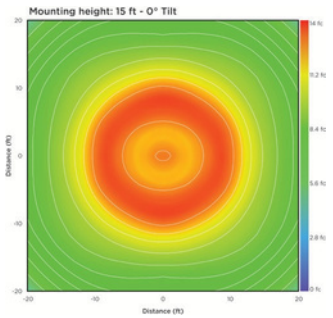
Highland 250 - LR



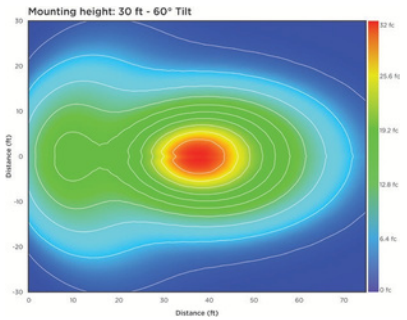
Highland 250 - LV



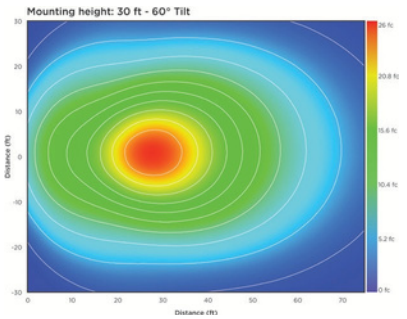
Highland 250 - LX



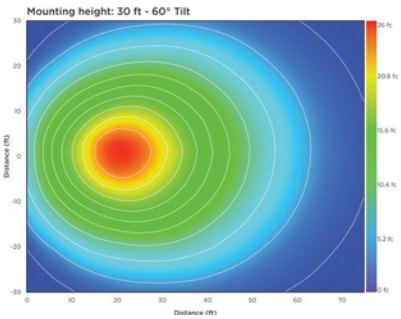
Highland 500 - LT



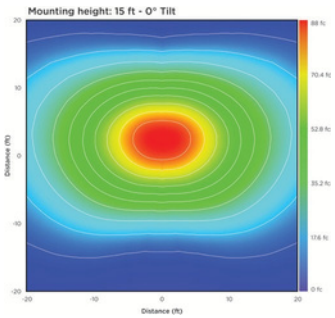
Highland 500 - LQ



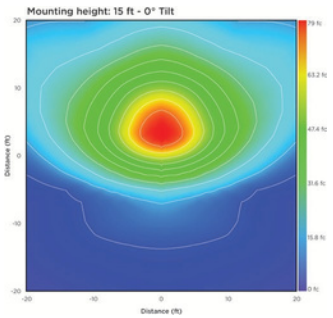
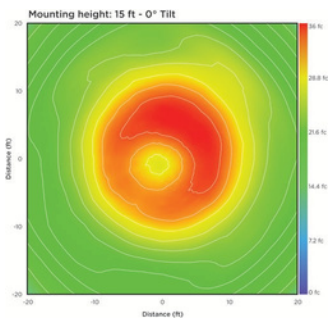
Highland 500 - LR



Highland 500 - LZ



Highland 500 - LV



Highland 500 - LX