

High Mast LED Floodlight



Designed for superior high mast or perimeter lighting
 Exceptional lumen performance for effective long-distance lighting
 Adjustable mounting bracket and rotational capability for accurate and uniform lighting coverage with maximum glare control

Remote driver mount capability, up to 300 foot distance

LED technology increases efficiency, eliminates maintenance and supports green initiatives

Key Applications

Large Area Lighting
 Perimeter Lighting
 Sports Fields
 Prisons & Correctional Facilities
 Ports & Intermodal Facilities
 Military Bases
 Commercial & Military Airports

Compliances

UL/cUL Listed to:
 • UL 1598 Suitable for Wet Locations
 IP66
 IK08
 FCC Part 15 Class A
 CE
 DALI-2

Specifications

Construction	Low copper content die-cast aluminum housing
Finish	Thermoset powder coat in gray, 1000Hr Salt Fog tested per IEC 60068-2-11
Hardware	Marine grade 316 stainless steel
Light source	Up to 85,000 lumens (600W) up to 138,000 lumens (1000W) CRI>70 CCT: Warm white (2700K), neutral white (4000K), cool white (5000K), super cool white (5700K)

Specifications

Lens	Polycarbonate lens with tempered glass Visor accessory optional
Driver	120-277VAC 50/60Hz or 277-480VAC 50/60Hz (0-10V standard) 200-480VAC 50/60Hz with DL or DM option
Power factor	>0.95 at 277V
THD	<15%
Surge protection	20kV ultra low EMI
Ambient operating temperature	-40°C to +40°C
Operating lifetime	L90 > 100,000 hrs at 25°C
Dimming	0-10V (D - standard) DALI-2 (DL) DMX-RDM (DM)
Mounting	Heavy-duty harp, adjustable 0-270 degrees Remote driver mounting capability - optional
Dimensions	600W - 24.52 in (623 mm) x 14.51 in (369 mm) x 27.97 in (710 mm) includes visor 1000W - 24.52 in (623 mm) x 24.45 in (621 mm) x 30.81 in (783 mm) includes visor
Weight	600W - 32 lbs (14.5 kg), without driver box; 48.3 lbs (21.9 kg), with driver box 1000W - 47.3 lbs (21.5 kg) without driver box; 74.74 lbs (33.9 kg), with driver box
Warranty	5 years

For IES files, see website or contact factory

Apex™ Series

High Mast LED Floodlight

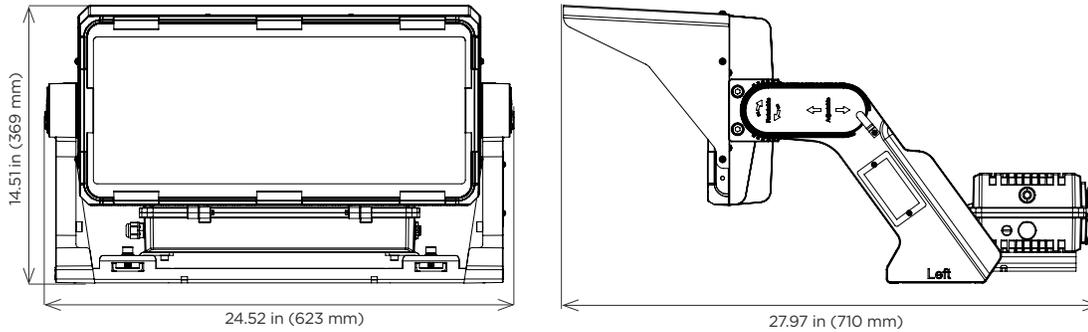
PHOENIX[®]
DURABILITY X DESIGN™

Dimensions

600W

EPA: 1.72 sq ft

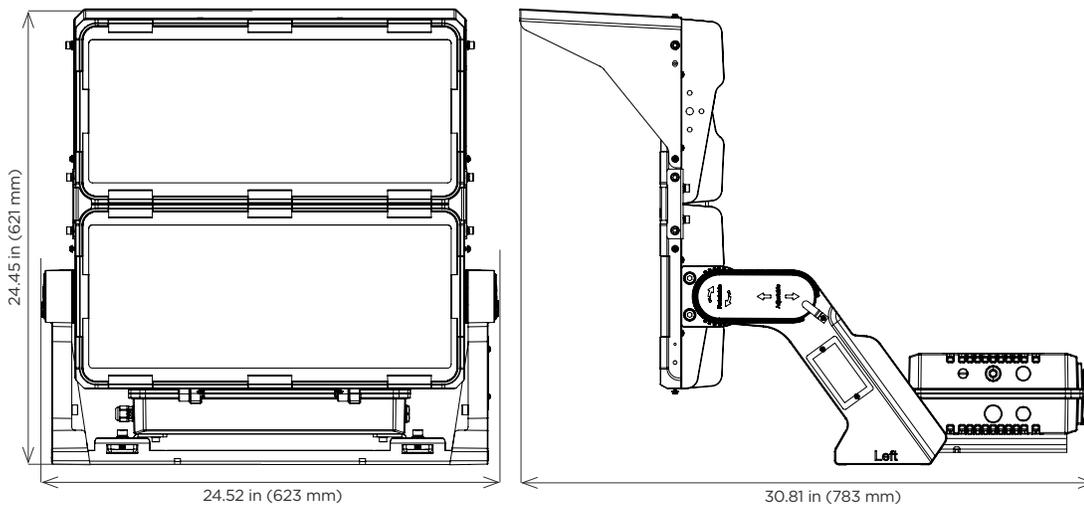
Weight: 48.3 lbs (21.9 kg)



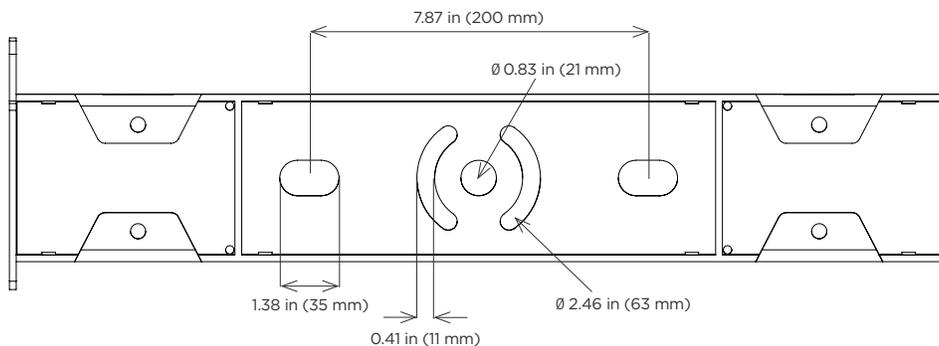
1000W

EPA: 3.45 sq ft

Weight: 74.74 lbs (33.9 kg)



Mounting



Ordering Information

Example: APEX-600-WS-277-480-50K-V-D

Fixture	Wattage	Optics	Voltage	CCT	Visor	Controls	Options
APEX	600	VS	120-277 ¹	27K	V ⁴	D ¹	SH
	1000	WS	200-480 ²	40K		DL ²	PC2
		WF	277-480 ¹	50K (standard)		DM ²	PC3
				57K			PC4
							JBOX ³

Wattage

600 Up to 85,000 lumens (600W)
1000 Up to 138,000 lumens (1000W)

Optics

VS 10 degree, NEMA 2x2
WS 30 degree, NEMA 4x4
WF 60 degree, NEMA 6x6

Voltage

120-277¹ 120-277V, 50-60Hz
200-480² 200-480V, 50-60Hz
277-480¹ 277-480V, 50-60Hz

CCT

27K 2700K
40K 4000K
50K 5000K
57K 5700K

Visor

V⁴ Visor

Controls

D¹ 0-10V dimming, standard
DL² DALI-2
DM² DMX-RDM

Options

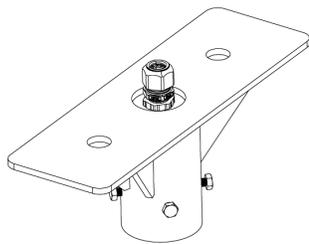
SH 7-Pin Twist-lock Receptacle + Shorting Cap
PC2 7-Pin Twist-lock Receptacle + 120-277V Photocontroller
PC3 7-Pin Twist-lock Receptacle + 347V Photocontroller
PC4 7-Pin Twist-lock Receptacle + 480V Photocontroller
JBOX³ Integrated JBOX for remote capability (up to 300 feet)

Notes

- 1 D option comes standard with Inventronics 0-10V driver
- 2 DL and DM options come standard with 200-480V input driver
- 3 Extended cable for remote driver operation not included
- 4 Leave blank for standard fixture without visor

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)



2 3/8 inch Tenon Mount

KIT, APEX, PTM Pole 2 3/8 inch

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.