PHOENIX®
DURABILITY X DESIGN™

Apex™ Series
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 ASTM B117
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

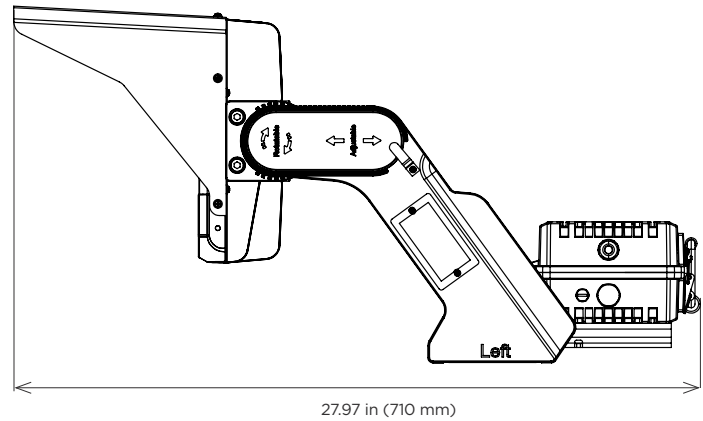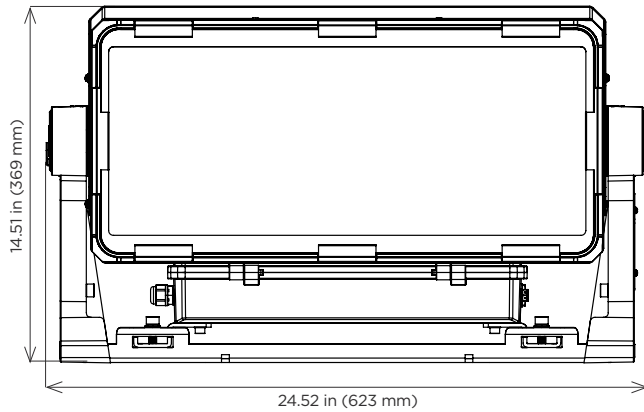| Lens	Polycarbonate lens with tempered glass Visor accessory optional
Driver	Inventronics - 120-277VAC 50/60Hz or 277-480VAC 50/60Hz UpowerTek - 120-277VAC 50/60Hz or 200-480VAC 50/60Hz
Power factor	>0.95 at 277V
THD	<15%
Surge protection	20kV ultra low EMI
Ambient operating temperature	-40°C to +40°C
Operating lifetime	L90 > 100,000 hrs at 25°C
Dimming	0-10V (standard) DALI-2 DMX-RDM
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

Dimensions

600W

14.51 in (369 mm)

24.52 in (623 mm)

Left

27.97 in (710 mm)

1000W

24.45 in (621 mm)

24.52 in (623 mm)

Left

30.81 in (783 mm)

Apex™ Series
High Mast LED Floodlight

PHƏ∃NIX®
DURABILITY X DESIGN™
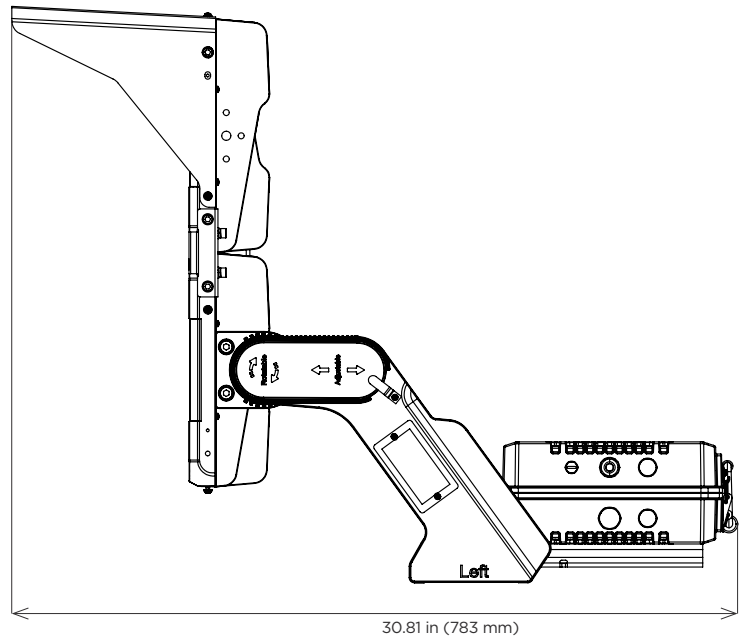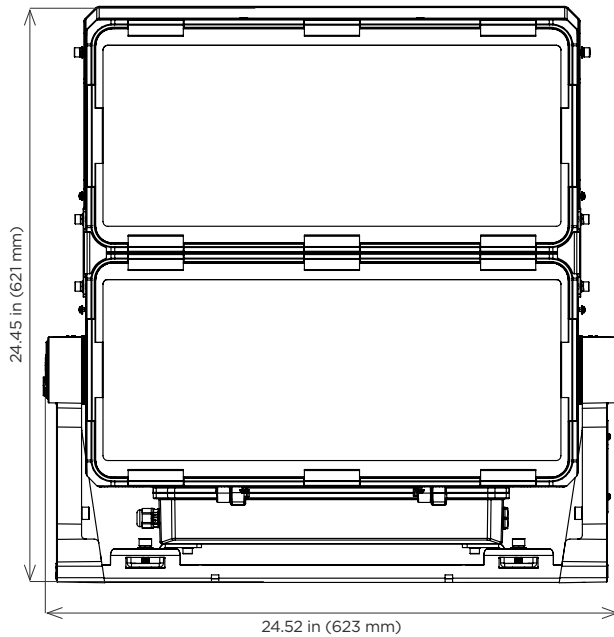
Ordering Information

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

Fixture	Wattage	Optics	Voltage	CCT	Visor	Controls	Driver	Options
APEX	600	VS	120-277[1]	27K	<blank>	D	<blank>[1,3]	SH
	1000	WS	200-480[2]	40K	V	DL[2]	U[2]	JBOX
		WF	277-480[3]	50K (standard)		DM[2]		
				57K				

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
120-277[1] 120-277V, 50-60Hz
200-480[2] 200-480V, 50-60Hz
277-480[3] 277-480V, 50-60Hz

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

Visor
<blank> No visor
V Visor

Controls
D 0-10V dimming, standard
DL[2] DALI-2
DM[2] DMX-RDM

Driver
<blank>[1,3] Inventronics
U[2] uPowerTek

Options
SH 7-Pin Twist-lock Receptacle + Shorting Cap
JBOX Integrated JBOX for remote capability (up to 300 feet)

Notes
1 Comes standard with Inventronics 0-10V driver unless DALI-2 or DMX-RDM option is selected
2 Available with UpowerTek driver option only
3 277-480V input only available with Inventronics driver

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)
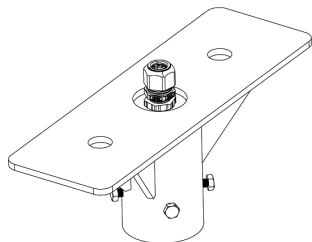
2⅜ inch Tenon Mount
KIT, APEX, PTM Pole 2⅜ inch

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.