

HPAL2 Series

LED Parking Lot/Area Light Specifications

Project _____

Date _____ Type _____



Description

HPAL2 series LED area lights deliver high efficacy and a variety of wattages for commercial and industrial applications. Precision optics produce a Type V-VS flood beam distribution for broad illumination. Independent LED modules and driver protect lifespan with improved thermal management. These replace metal halide and HID luminaires to offer increased energy savings, better efficacy, and a more compact housing. The fixture comes with an adjustable yoke mount, but is compatible with several other mounting options (sold separately) for versatile installation solutions.

Mechanical

- Independent LED engine arrays and drivers
- Powder coated brown (RAL 8019) aluminum housing
- Includes yoke mount (other optional mounts available)
- IP66 rated
- IK10 impact resistance
- Operating temperature of -22°-113° F (-30°-45° C)

Electrical

- 100-277 VAC input
- 12 kV integrated surge protection
- ≥0.9 power factor
- Heatsink design and independent LED engine arrays for superior thermal management
- 100,000 hour L70 rated LED lifespan

Photometrics

- High efficacy 140 lm/W 5000K CCT light
- Polycarbonate lens that creates 90° beam angle (Type V-VS distribution)

Warranty

Five (5) Year Warranty



T 866.811.5550
 F 314.972.6202
 email: commercial-sales@superbrightleds.com
www.superbrightleds.com/cat/industrial-led-lighting/

Available Models

- | | |
|--|--|
| <input type="checkbox"/> HPAL2-50K100-90 | <input type="checkbox"/> HPAL2-50K240-90 |
| <input type="checkbox"/> HPAL2-50K150-90 | <input type="checkbox"/> HPAL2-50K300-90 |
| <input type="checkbox"/> HPAL2-50K200-90 | <input type="checkbox"/> HPAL2-50K450-90 |

Part Number Breakdown

Example: HPAL2-50K300-90

Family	CCT	Wattage	Beam Angle
HPAL2	50K [5000K]	100 [100 W]	90 [90°]
		150 [150 W]	
		200 [200 W]	
		240 [240 W]	
		300 [300 W]	
		450 [450 W]	

Optional Mounts

- HPAL-FA (fixed arm square pole/post mount)
- HPAL-SF (adjustable slip-fitter mount)
- HPAL-SF-TMB (adjustable slip-fitter mount with wall tenon)
- HPAL-SM (surface mount bracket kit)
- HPAL-UB (alternate U-bracket mount)
- HPAL-UB-IH (alternate U-bracket mount with eye bolt)

Application

Easily replaces traditional metal halide shoebox area/parking lot lights. These work well to light streets, pathways, building facades, and other large areas.

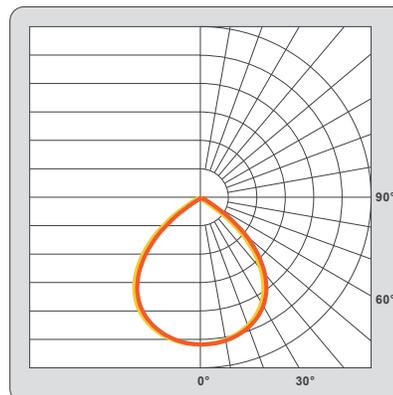
Certifications and Compliances

These lights are ETL Listed in compliance with UL 1598 (IFAM) and are listed as DLC Premium.



Beam Angle

Additional model specific photometric data is available on the site.



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Specifications

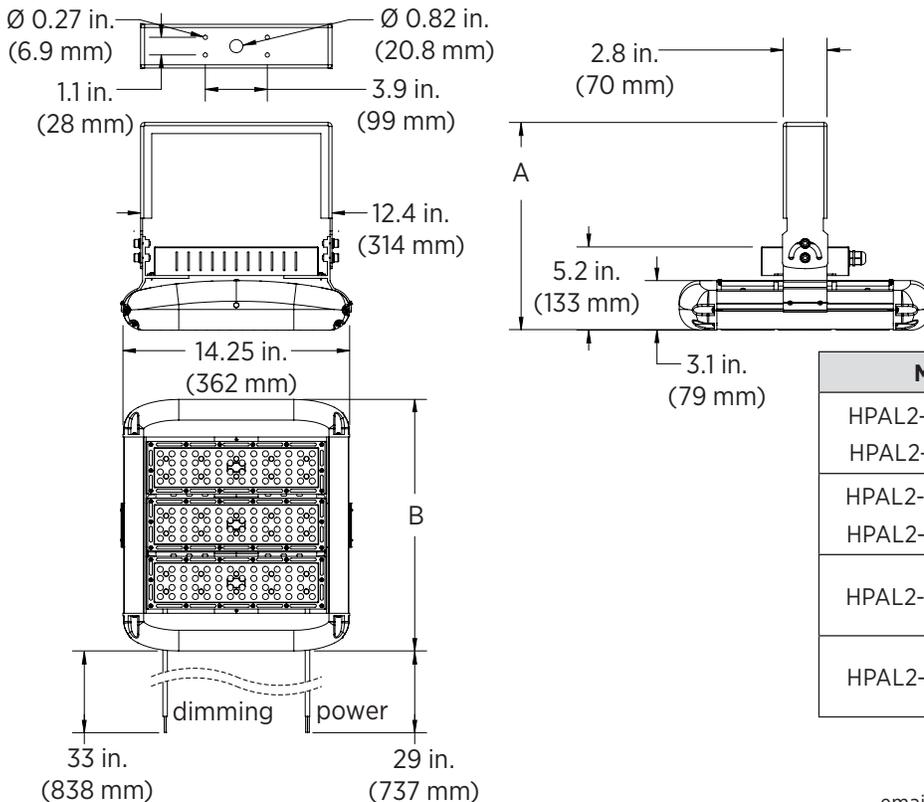
Model HPAL2-	xK100-90	xK150-90	xK200-90	xK240-90	xK300-90	xK450-90
Intensity	14,000 lm	21,000 lm	28,000 lm	33,600 lm	42,000 lm	63,000 lm
Operating Voltage	100-277 VAC					
Power Consumption	100 W	150 W	200 W	240 W	300 W	450 W
Current Draw @120 VAC / Current Draw @277 VAC	833 mA / 361 mA	1.25 A / 542 mA	1.67 A / 722 mA	2 A / 866 mA	2.5 A / 1.08 A	3.75 A / 1.62 A
Efficacy	140 lm/W					
Available Color Temperature(s)	5000K					
Light Distribution	90° (distribution type V-VS)					
CRI	70+					
Dimming	1-10 V					
IP Rating	IP66					
Ambient Operating Temperature	-22°-113° F (-30°-45° C)					
Product Weight	13.9 lb (6.3 kg) ¹	14.1 lb (6.4 kg) ¹	17.3 lb (7.8 kg) ¹	17.8 lb (8.1 kg) ¹	22 lb (10 kg) ¹	30.9 lb (14 kg) ¹
Rated Life (L70)	100,000 hours					

¹Weight is for light with standard mounting bracket. Installing optional mounts will change this value.

Dimensional Drawing

Included Yoke Mount

200 W model shown, other models similar. Bracket allows for 90° rotation in both directions.



Model	A	B
HPAL2-50K100-90	10.7 in. (271 mm)	12.25 in. (311 mm)
HPAL2-50K150-90	12.5 in. (318 mm)	15.8 in. (402 mm)
HPAL2-50K200-90	14.4 in. (366 mm)	19.5 in. (495 mm)
HPAL2-50K240-90	18 in. (457 mm)	26.8 in. (681 mm)

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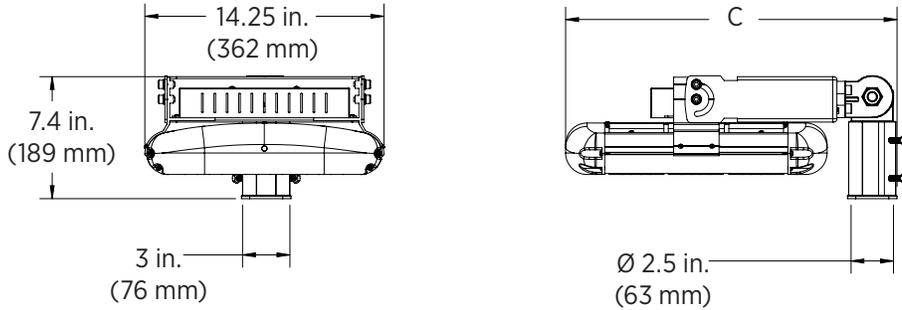
HPAL2 Series

LED Parking Lot/Area Light Specifications

Dimensional Drawing

HPAL-SF (adjustable slip-fitter mount)

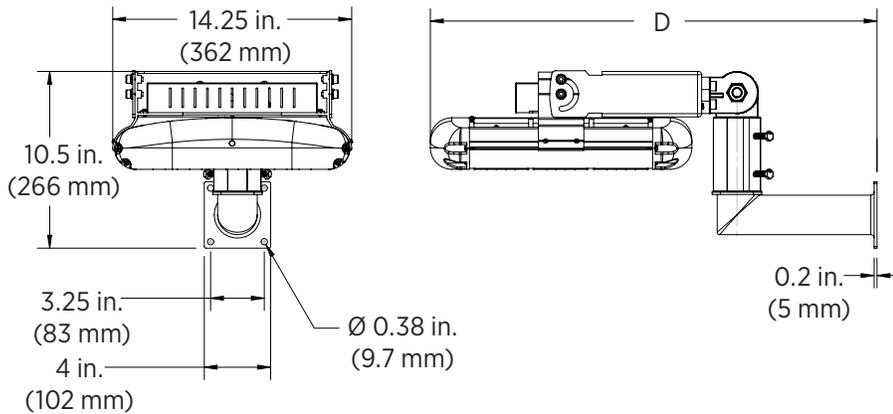
200 W model shown, other models similar. Bracket allows for 115° rotation in both directions.



Model	C
HPAL2-50K100-90 HPAL2-50K150-90	16 in. (406 mm)
HPAL2-50K200-90 HPAL2-50K240-90	19.75 in. (502 mm)
HPAL2-50K300-90	23.4 in. (595 mm)
HPAL2-50K450-90	30.4 in. (773 mm)

HPAL-SF-TMB (adjustable slip-fitter mount with wall tenon)

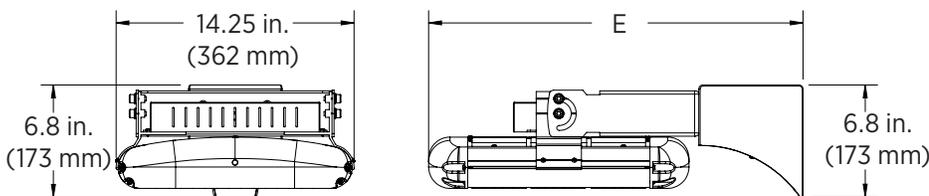
200 W model shown, other models similar. Bracket allows for 115° rotation in both directions.



Model	D
HPAL2-50K100-90 HPAL2-50K150-90	22.7 in. (575 mm)
HPAL2-50K200-90 HPAL2-50K240-90	26.3 in. (669 mm)
HPAL2-50K300-90	30.1 in. (766 mm)
HPAL2-50K450-90	37.4 in. (950 mm)

HPAL-FA (fixed arm square pole/post mount)

200 W model shown, other models similar.



Model	E
HPAL2-50K100-90 HPAL2-50K150-90	18.9 in. (479 mm)
HPAL2-50K200-90 HPAL2-50K240-90	22.5 in. (571 mm)
HPAL2-50K300-90	26 in. (660 mm)
HPAL2-50K450-90	33.5 in. (851 mm)



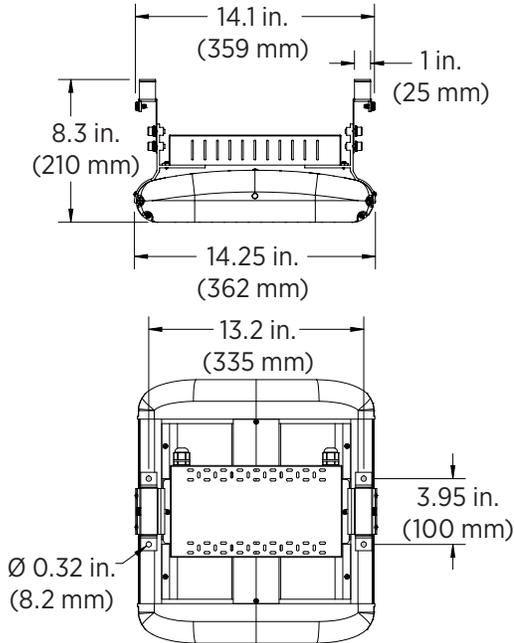
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Dimensional Drawing

HPAL-SM (surface mount bracket kit)

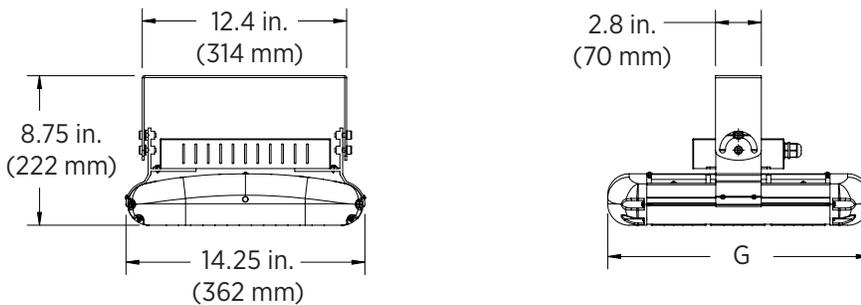
200 W model shown, other models similar.



Model	F
HPAL2-50K100-90	12.3 in. (311 mm)
HPAL2-50K150-90	15.8 in. (402 mm)
HPAL2-50K200-90	19.5 in. (495 mm)
HPAL2-50K240-90	26.8 in. (681 mm)
HPAL2-50K300-90	
HPAL2-50K450-90	

HPAL-UB (alternate U-bracket mount)

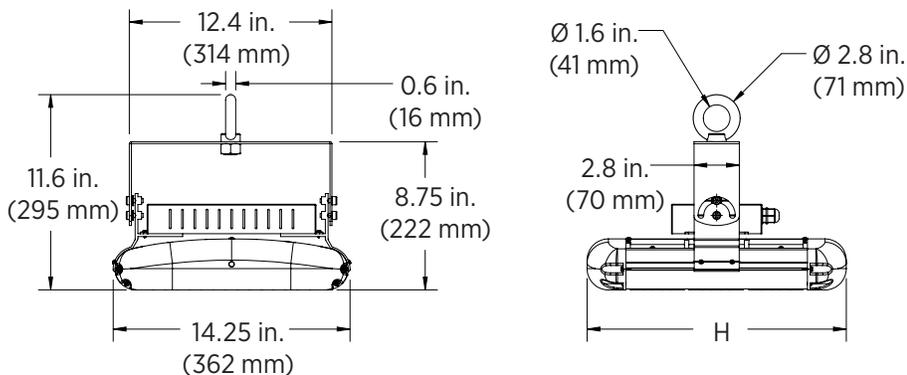
200 W model shown, other models similar. Bracket allows for 90° rotation in both directions.



Model	G
HPAL2-50K100-90	12.3 in. (311 mm)
HPAL2-50K150-90	15.8 in. (402 mm)
HPAL2-50K200-90	19.5 in. (495 mm)
HPAL2-50K240-90	26.8 in. (681 mm)
HPAL2-50K300-90	
HPAL2-50K450-90	

HPAL-UB-IH (alternate U-bracket mount with eye bolt)

200 W model shown, other models similar. Bracket allows for 90° rotation in both directions.



Model	H
HPAL2-50K100-90	12.3 in. (311 mm)
HPAL2-50K150-90	15.8 in. (402 mm)
HPAL2-50K200-90	19.5 in. (495 mm)
HPAL2-50K240-90	26.8 in. (681 mm)
HPAL2-50K300-90	
HPAL2-50K450-90	

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