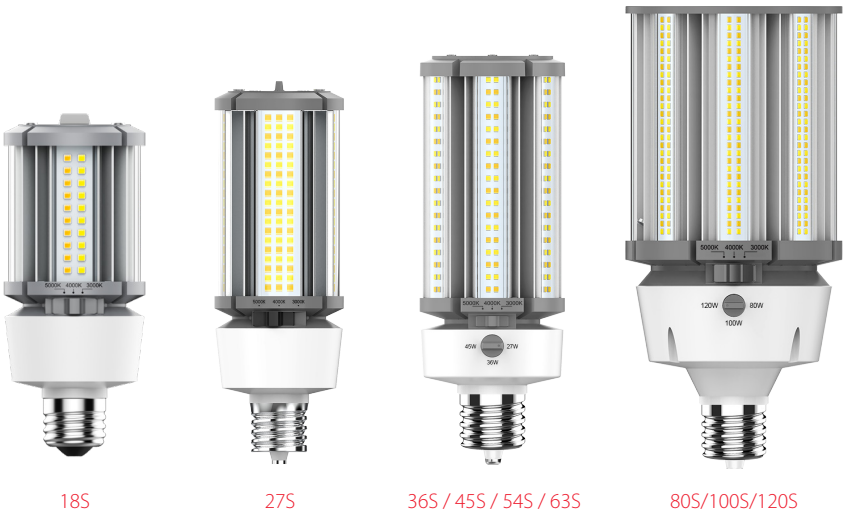


Field-Adjustable LED Post Top Lamps

RAB



PROJECT:

DATE:

TYPE:

PREPARED BY:



- KEY FEATURES
- Replaces 100W to 600W metal halide and high pressure sodium lamps
 - Nine output settings in every lamp — **three wattages** and **three CCTs** from one dip switch
 - Up to **75% less energy** than the lamp it replaces
 - **Integral driver** wires directly to line voltage — no external driver or ballast
 - **Enclosed-fixture rated** for dry and damp locations, IP64
 - Universal 120-277V input with 4kV surge protection
 - **50,000-hour lifespan** backed by a **five-year warranty**

Wattage & CCT Adjustable, Ballast Bypass,
120-277V Passive Cooling



PERFORMANCE							
Catalog Number	Wattage Equivalency	Input Wattage	Lumens	Efficacy	Color Temperature	Installation Orientation	Base Type
HIDFA-18S-E26	100W MH	18/12/9W	2,700/1,800/1,350 lm	150 lm/W	Field adjustable via dip switch 3000/4000/5000K	Universal mounting, horizontal or vertical	E26 Edison
HIDFA-18S-EX39	100W MH	18/12/9W	2,700/1,800/1,350 lm	150 lm/W		Universal mounting, horizontal or vertical	EX39 Exclusionary Mogul
HIDFA-27S-E26	125W MH	27/18/12W	4,050/2,700/1,800 lm	150 lm/W		Universal mounting, horizontal or vertical	E26 Edison
HIDFA-27S-EX39	150W MH	27/18/12W	4,050/2,700/1,800 lm	150 lm/W		Universal mounting, horizontal or vertical	EX39 Exclusionary Mogul
HIDFA-36S-E26	150W MH	36/27/18W	5,580/4,185/2,790 lm	155 lm/W		Universal mounting, horizontal or vertical	E26 Edison
HIDFA-36S-EX39	175W MH	36/27/18W	5,580/4,185/2,790 lm	155 lm/W		Universal mounting, horizontal or vertical	EX39 Exclusionary Mogul
HIDFA-45S-E26	175W MH	45/36/27W	6,970/5,580/4,185 lm	155 lm/W		Universal mounting, horizontal or vertical	E26 Edison
HIDFA-45S-EX39	200W MH	45/36/27W	6,970/5,580/4,185 lm	155 lm/W		Universal mounting, horizontal or vertical	EX39 Exclusionary Mogul
HIDFA-54S-E26	200W MH	54/45/36W	8,370/6,970/5,580 lm	155 lm/W		Universal mounting, horizontal or vertical	E26 Edison
HIDFA-54S-EX39	250W MH	54/45/36W	8,370/6,970/5,580 lm	155 lm/W		Universal mounting, horizontal or vertical	EX39 Exclusionary Mogul
HIDFA-63S-EX39	320W MH	63/54/45W	9,765/8,370/6,970 lm	155 lm/W		Universal mounting, horizontal or vertical	EX39 Exclusionary Mogul
HIDFA-80S-EX39	400W MH	80/63/54W	12,800/10,080/8,640 lm	160 lm/W		For vertical installation (20°) only	EX39 Exclusionary Mogul
HIDFA-100S-EX39	500W MH	100/80/63W	16,000/12,800/10,080 lm	160 lm/W		For vertical installation (20°) only	EX39 Exclusionary Mogul
HIDFA-120S-EX39	600W MH	120/100/80W	19,200/16,000/12,800 lm	160 lm/W		For vertical installation (20°) only	EX39 Exclusionary Mogul

Field-Adjustable LED Post Top Lamps



TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type HID Replacement	Base Type E26, EX39
Bulb Shape Post top	Beam Angle 360°
Enclosure Material Polycarbonate	
Endcap Material Metal	

ELECTRICAL

Dimmable
Yes, by adjusting the wattage (*light output*) dipswitch located on the lamp.

THD
≤20%

Power Factor
≥0.9

Input Voltage
100-277V

Operating Frequency
50-60Hz

Operating Temperature
-22°F to 140°F (-30°C to 60°C)

Surge Protection
4 kV

Flicker
<30%

COMPLIANCE

Listing
UL Listed, UL Classified

Environment
Suitable for use in dry and damp environments.

Fixture Rating
Suitable for use in enclosed fixtures

IP Rating
IP64

DLC
This product family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at designlights.org to confirm the qualification status of a specific SKU prior to specification or purchase.

California Energy Commission (CEC) Status
Lawful for Sales in California

FCC
Complies with Part 15 of the FCC Rules.

RoHS
Mercury and UV free. RoHS-compliant components.

INSTALLATION

Installation Method
UL Type B, ballast bypass. Integral non-isolated constant-current driver; no external driver or ballast required

Installation Orientation
Universal* mounting, horizontal or vertical
**Select models*

LED CHARACTERISTICS

Color Temperature
Field adjustable via dip switch 3000K/4000K/5000K
Lamps ship set to 5000K. Default wattage step highest output

Color Accuracy (CRI)
≥80

R9 Value
High color performance with R9 no less than 0

Color Consistency
<6-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability
LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

Color Uniformity
RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

OTHER

Warranty
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

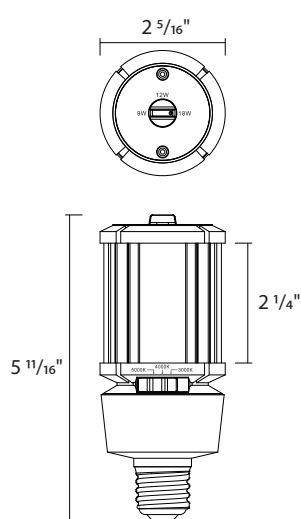
Field-Adjustable LED Post Top Lamps



DIMENSIONS

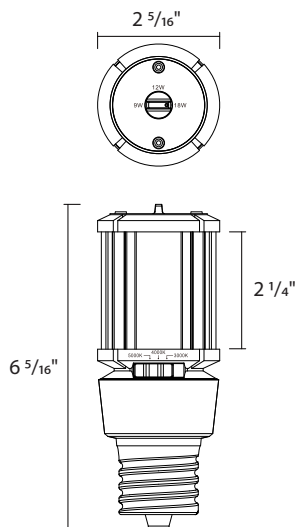
HIDFA18S E26 Base

Weight: 0.49 lb



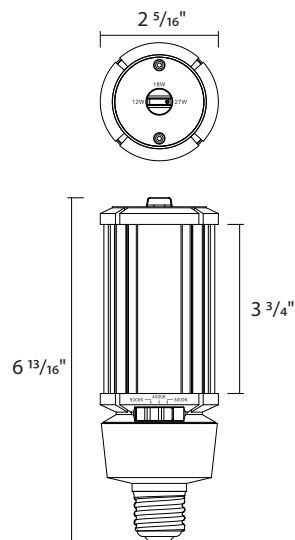
HIDFA18S EX39 Base

Weight: 0.49 lb



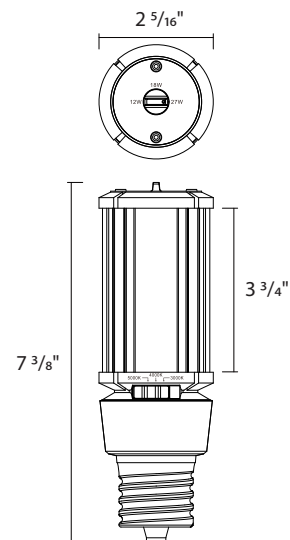
HIDFA27S E26 Base

Weight: 0.60 lb



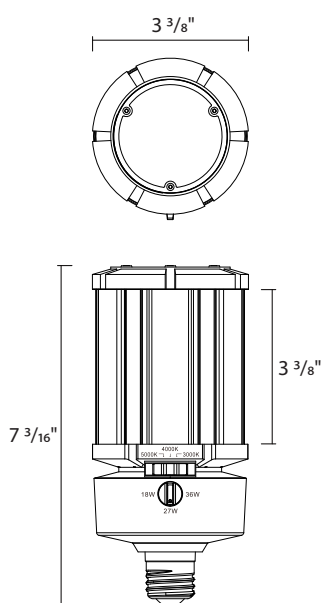
HIDFA27S EX39 Base

Weight: 0.60 lb



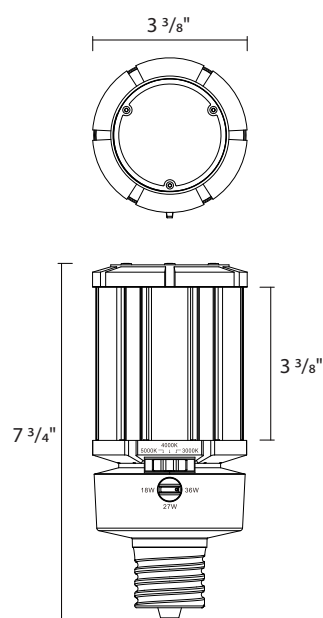
HIDFA36S E26 Base

Weight: 1.26 lbs



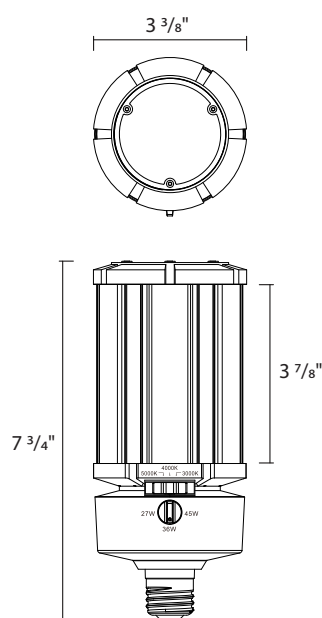
HIDFA36S EX39 Base

Weight: 1.26 lbs



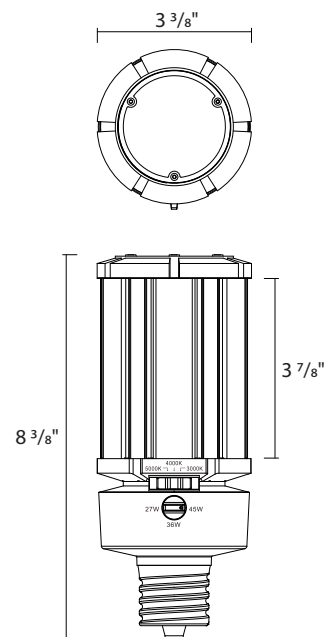
HIDFA45S E26 Base

Weight: 1.42 lbs



HIDFA45S EX39 Base

Weight: 1.42 lbs



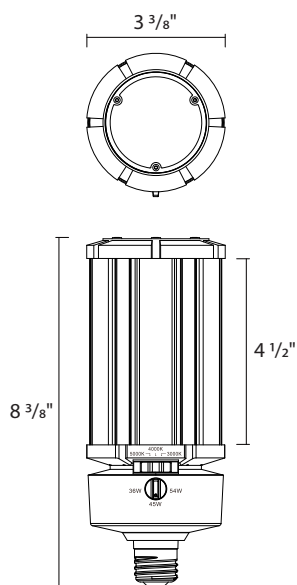
Field-Adjustable LED Post Top Lamps

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DIMENSIONS (CONT.)

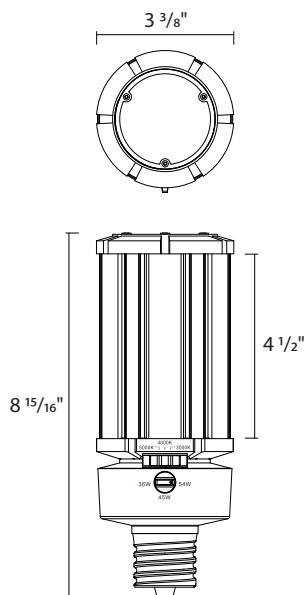
HIDFA54S E26 Base

Weight: 1.54 lb



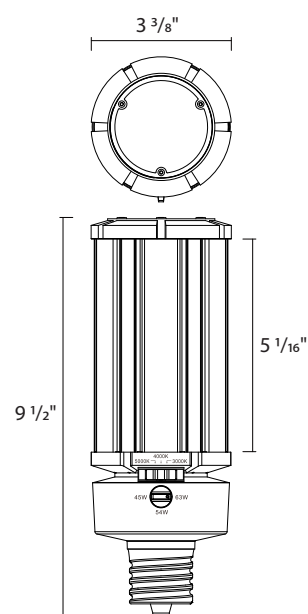
HIDFA54S EX39 Base

Weight: 1.54 lb



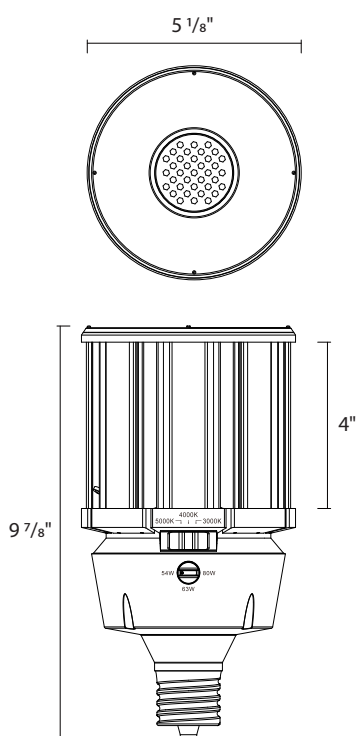
HIDFA63S EX39 Base

Weight: 1.66 lbs



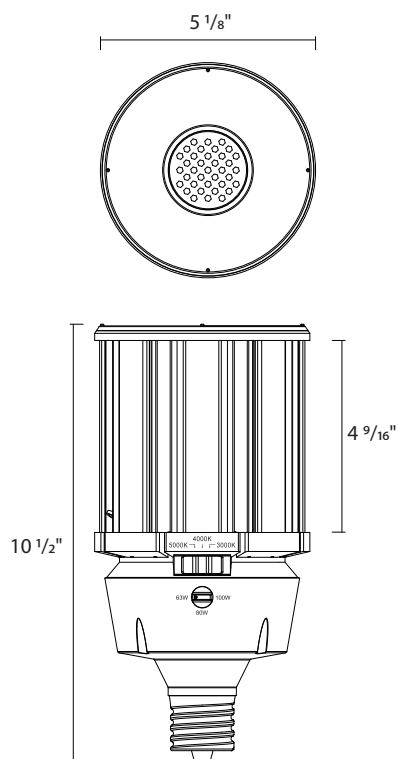
HIDFA80S EX39 Base

Weight: 2.85 lbs



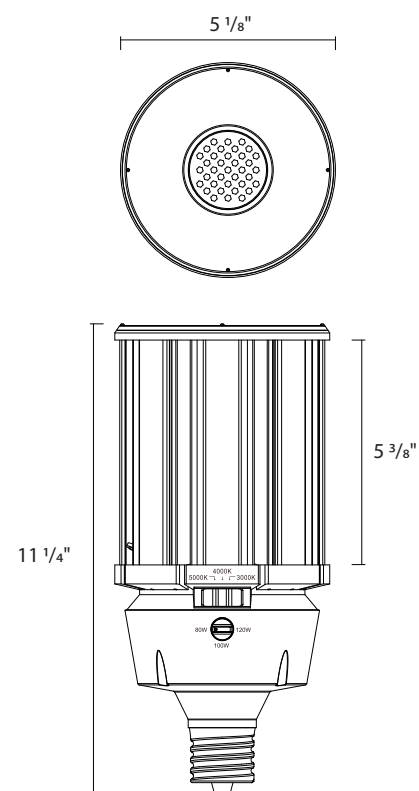
HIDFA100S EX39 Base

Weight: 3.28 lbs



HIDFA120S EX39 Base

Weight: 3.56 lbs



Field-Adjustable LED Post Top Lamps

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ACCESSORIES

Adapters



Catalog Number	UPC	Description
HID-ACC-E26 HID ACC	192552045568	E26 Adapter
HID-ACC-EX39 HID ACC	192552045575	EX39 Adapter

ORDERING INFO

Catalog Number	Certification Model Number	UPC	Case Pack
HIDFA-18S-E26	H20068(HIDFA-18S-E26)	192552062183	12
HIDFA-18S-EX39	H20069(HIDFA-18S-EX39)	192552062190	12
HIDFA-27S-E26	H20070(HIDFA-27S-E26)	192552062206	12
HIDFA-27S-EX39	H20071(HIDFA-27S-EX39)	192552062213	12
HIDFA-36S-E26	H20072(HIDFA-36S-E26)	192552062220	12
HIDFA-36S-EX39	H20073(HIDFA-36S-EX39)	192552062237	12
HIDFA-45S-E26	H20074(HIDFA-45S-E26)	192552062244	12
HIDFA-45S-EX39	H20075(HIDFA-45S-EX39)	192552062251	12
HIDFA-54S-E26	H20076(HIDFA-54S-E26)	192552062268	12
HIDFA-54S-EX39	H20077(HIDFA-54S-EX39)	192552062275	12
HIDFA-63S-EX39	H20078(HIDFA-63S-EX39)	192552062282	12
HIDFA-80S-EX39	H20079(HIDFA-80S-EX39)	192552062299	6
HIDFA-100S-EX39	H20080(HIDFA-100S-EX39)	192552062305	6
HIDFA-120S-EX39	H20081(HIDFA-120S-EX39)	192552062312	6

ORDERING MATRIX

Family	Wattage	Base Type	CRI/Color Temp	Installation Type
HIDFA	-	-	-	-
	18S 18/12/9W	E26 Edison	Blank 80 CRI, Adjustable CCT	Blank Type B, Ballast Bypass
	27S 27/18/12W	EX39 Exclusionary*		
	36S 36/27/18W			
	45S 45/36/27W			
	54S 54/45/36W			
	63S 63/54/45W			
	80S 80/63/54W			
	100S 100/80/63W			
	120S 120/100/80W			