

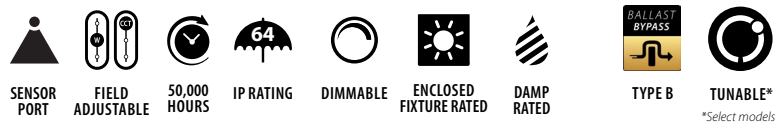
Field-Adjustable Post Top

RAB



27S (No sensor port) 205S (No sensor port) 36S / 45S / 54S / 63S (with 5-pin sensor port) 80S/100S/120S (with 5-pin sensor port)

Sensor port for basic or smart wireless control



PROJECT:

DATE:

TYPE:

PREPARED BY:



KEY FEATURES

- Replaces traditional metal halide or high pressure sodium HID lamp
- Adjustable wattage and CCT allow for in-field customization
- AUX port for integrating individual, lamp-level controls.
- Integral driver enables lamp to be wired directly to line voltage without need for an external driver or ballast
- Rated for use in enclosed fixtures in dry or damp locations
- Combine with the Lightcloud Blue 5-pin controller for wireless control of on/off, dimming and color temperature*.

PERFORMANCE

Catalog Number	Equivalency (Metal Halide)	Input Wattage	Lumens (Nominal)	Efficacy lm/W	Color Temperature	Sensor Port	Base Type	DLC ID
HID-54S-EX39-8TW-BYP/LCBLR	200/175/150W	54/45/36W	4860/6025/7290	135	Field-adjustable via dip switch 3000K/4000K/5000K	Yes	EX39	S-S0CXYI
HIDFA-27S-E26-8CCT-BYP	125/75/50W	27/18 /12W	1740/2610/3915	145		No	E26	
HIDFA-27S-EX39-8CCT-BYP		27/18 /12W	1740/2610/3915				EX39	PR1C77FW
HIDFA-36S-E26-8CCT-BYP/5SP	150/125/75W	36/27/18W	2610/3915/5220			Yes	E26	
HIDFA-36S-EX39-8CCT-BYP/5SP		36/27/18W	2610/3915/5220				EX39	PANI3V6G
HIDFA-45S-E26-8CCT-BYP/5SP	175/150/125W	45/36/27W	3915/5220/6525				E26	
HIDFA-45S-EX39-8CCT-BYP/5SP		45/36/27W	3915/5220/6525				EX39	PG98TFU5
HIDFA-54S-E26-8CCT-BYP/5SP	200/175/150W	54/45/36W	5220/6525/7830				E26	
HIDFA-54S-EX39-8CCT-BYP/5SP		54/45/36W	5220/6525/7830				EX39	PK1M7DYL
HIDFA-63S-EX39-8CCT-BYP/5SP	250/200/175W	63/54/45W	6525/7830/9135				EX39	PNEUJU9B
HIDFA-80S-EX39-8CCT-BYP/5SP	320/250/200W	80/63/54W	7830/9135/11600				EX39	PDIHGBYQ
HIDFA-100S-EX39-8CCT-BYP/5SP	400/320/250W	100/80/63W	9135/11600/14500				EX39	PEXK7EN6
HIDFA-120S-EX39-8CCT-BYP/5SP	600/400/320W	120/100/80W	11600/14500/17400				EX39	PZW8AHTW
HIDFA-205S-EX39-8CCT-BYP	Up to 750W	205/165/135W	20250/24750/30750				150	

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. Combine with a Lightcloud Blue 5-pin Controller (sold separately) for wireless control via the Lightcloud Blue mobile app and devices.
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 Select products are on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.
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	Installation Orientation Vertical/Horizontal. The 120W and 205W are vertical installation only.
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LED CHARACTERISTICS

Color Temperature Field adjustable via dip switch 3000K/4000K/5000K /LCBR models are tunable white 3000K-5000K when combined with the Lightcloud Blue 5-pin Controller (sold separately)
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

OTHER

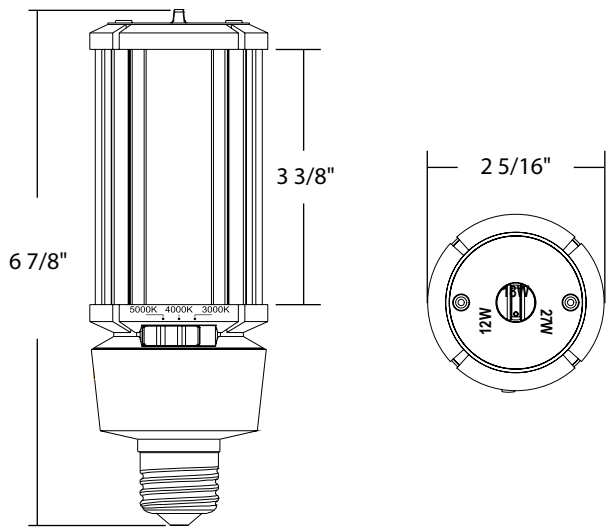
Compatible Products /5SP lamps are compatible with 3-pin sensors and 5-pin Lightcloud Blue controllers/sensors.
Add the Lightcloud Blue 5-Pin Plug-in Controller with optional sensor to connect to the Lightcloud Blue Bluetooth Mesh Wireless Network Lighting Control System. Learn more about Lightcloud Blue.
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 Post Top

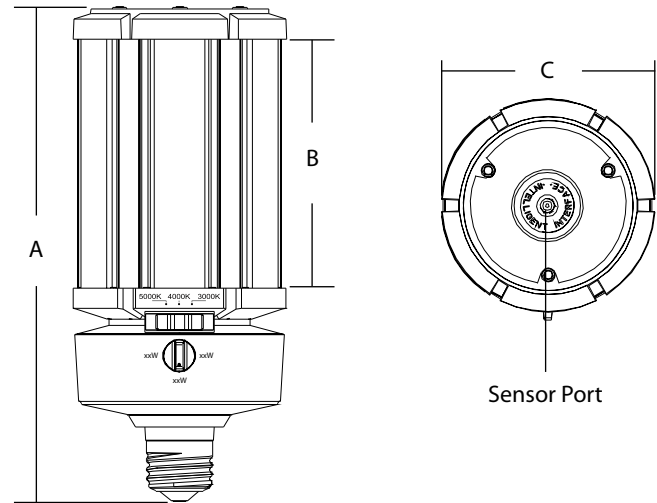


DIMENSIONS

HIDFA 12/18/27W - E26 Base
Weight: 0.8 lb

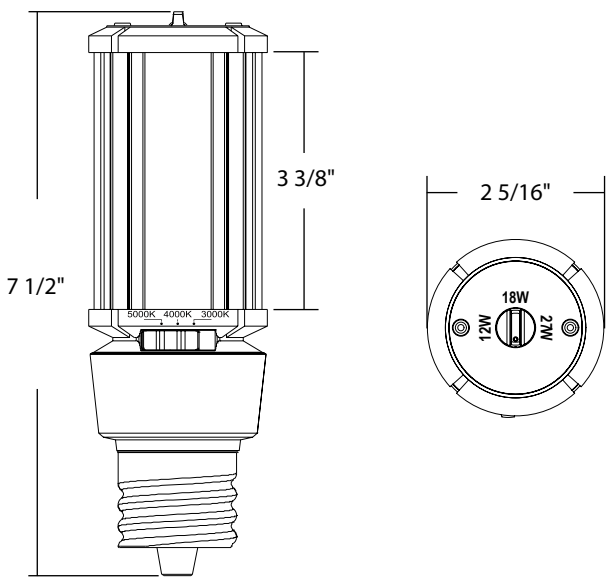


HIDFA E26 Base

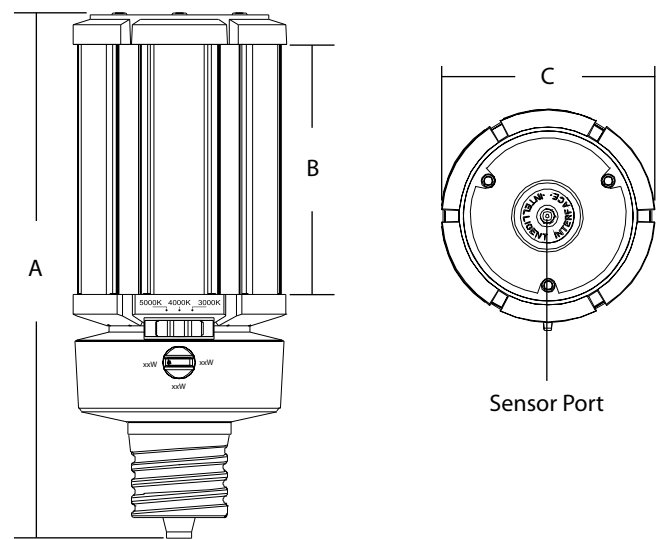


E26	Weight	A	B	C	Sensor Port
18/27/36W	1.6 lbs	7 7/8"	3 7/8"	3 3/8"	5-pin
27/36/45W	1.9 lbs	9 1/16"	5 1/16"	3 3/8"	
36/45/54W	1.9 lbs	9 1/16"	5 1/16"	3 3/8"	

HIDFA 12/18/27W - EX39 Base
Weight: 0.8 lb



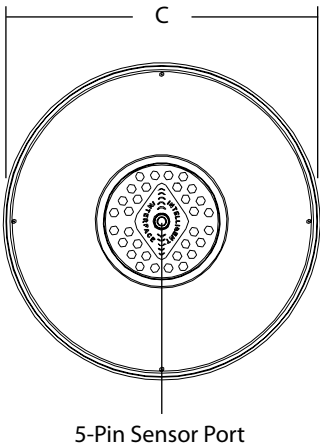
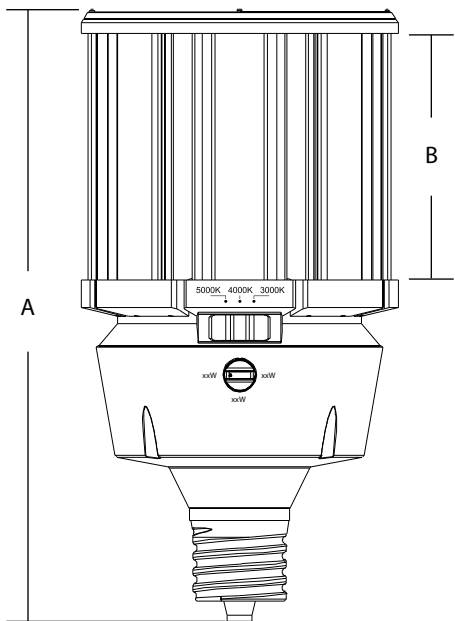
HIDFA EX39 Base



EX39	Weight	A	B	C	Sensor Port
18/27/36W	1.6 lbs	8 3/8"	3 7/8"	3 3/8"	5-pin
27/36/45W	1.9 lbs	9 9/16"	5 1/16"	3 3/8"	
36/45/54W	1.9 lbs	9 9/16"	5 1/16"	3 3/8"	
45/54/63W	2 lbs	10 3/16"	5 11/16"	3 3/8"	

DIMENSIONS (CONT.)

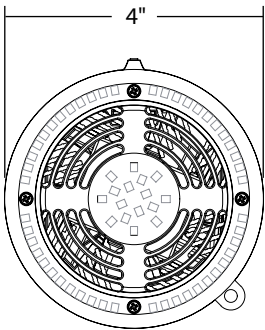
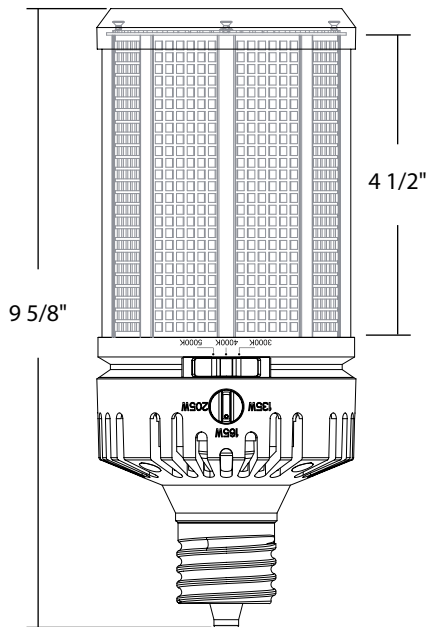
HIDFA EX39 Base



EX39	Weight	A	B	C	Sensor Port
54/63/80W	3.5 lbs	9 7/8"	4"	5 1/8"	5-pin
63/80/100W	3.8 lbs	10 1/2"	4 9/16"	5 1/8"	
80/100/120W	4 lbs	11 1/4"	5 3/8"	5 1/8"	

HIDFA 135/165/205W - EX39 Base

Weight: 2.5 lbs



ACCESSORIES (SOLD SEPARATELY)

3-Pin sensors (Compatible with lamps with the 5-pin Sensor Port (5SP).)



SMW-S / MW-S



DAYLIGHT-S



SPIR-S / PIR-S

Catalog Number	UPC	Description
SMW-S	019813834818	Microwave sensor without daylight photocell built in
MW-S	019813833064	Microwave sensor with daylight photocell built in
DAYLIGHT-S	019813834832	Daylight sensor
SPIR-S	019813834825	Passive infrared sensor without daylight photocell built in
PIR-S	019813833057	Passive infrared sensor with daylight photocell built in

Lightcloud Blue 5-pin controllers/sensors



CONTROL/W/AUX/5SP/LCB



CONTROL/W/AUX/5SP/LCBS



CONTROL/W/AUX/5SP/LCBS/MVS

Catalog Number	UPC	Description
CONTROL/W/AUX/5SP/LCB	192552025591	Lightcloud Blue 5-Pin plug-in controller
CONTROL/W/AUX/5SP/LCBS	192552025607	Lightcloud Blue 5-Pin plug-in controller + Passive infrared sensor + Photocell sensor
CONTROL/W/AUX/5SP/LCBS/MVS	192552025614	Lightcloud Blue 5-Pin plug-in controller + Microwave sensor + Photocell sensor

ORDERING INFO

Catalog Number	Certification Model Number	UPC	Case Pack
HIDFA-27S-E26-8CCT-BYP	H10046(HIDFA-27S-E26-8CCT-BYP)	192552004985	12
HIDFA-27S-EX39-8CCT-BYP	H10047(HIDFA-27S-EX39-8CCT-BYP)	192552004978	12
HIDFA-36S-E26-8CCT-BYP/5SP	H20033(HIDFA-36S-E26-8CCT-BYP/5SP)	192552026932	12
HIDFA-36S-EX39-8CCT-BYP/5SP	H20034(HIDFA-36S-EX39-8CCT-BYP/5SP)	192552026925	12
HIDFA-45S-E26-8CCT-BYP/5SP	H20035(HIDFA-45S-E26-8CCT-BYP/5SP)	192552026956	12
HIDFA-45S-EX39-8CCT-BYP/5SP	H20036(HIDFA-45S-EX39-8CCT-BYP/5SP)	192552026949	12
HIDFA-54S-E26-8CCT-BYP/5SP	H20037(HIDFA-54S-E26-8CCT-BYP/5SP)	192552027021	12
HIDFA-54S-EX39-8CCT-BYP/5SP	H20038(HIDFA-54S-EX39-8CCT-BYP/5SP)	192552026963	12
HIDFA-63S-EX39-8CCT-BYP/5SP	H20039(HIDFA-63S-EX39-8CCT-BYP/5SP)	192552026970	12
HIDFA-80S-EX39-8CCT-BYP/5SP	H20040(HIDFA-80S-EX39-8CCT-BYP/5SP)	192552026987	6
HIDFA-100S-EX39-8CCT-BYP/5SP	H20041(HIDFA-100S-EX39-8CCT-BYP/5SP)	192552026994	6
HIDFA-120S-EX39-8CCT-BYP/5SP	H20042(HIDFA-120S-EX39-8CCT-BYP/5SP)	192552027007	6
HIDFA-205S-EX39-8CCT-BYP	H20031(HIDFA-205S-EX39-8CCT-BYP)	192552028684	6
HID-54S-EX39-8TW-BYP/LCBR	HID-54S-EX39-8TW-BYP/LCBR	192552025683	12

ORDERING MATRIX

Family	Wattage		Base Type		CRI/Color Temp		Installation Type		Sensor
HIDFA	-		-		-	8CCT	-	BYP	
	27S	27/18/12W	EX39	Exclusionary Mogul	8CRI	80 CRI, 5000/4000/3000K	BYP	Ballast Bypass	Blank
	36S	36/27/18W	E26	Edison*					/5SP
	45S	45/36/27W							No sensor*
	54S	54/45/36W							5-Pin Sensor Port
	63S	63/54/45W							
	80S	80/63/54W							
	100S	100/80/63W							
	120S	120/100/80W							
	205S	205/165/135W							
	Wattage Selectable								

*27S models not available with sensor port