



project name	type
catalog number	voltage
approved by	date

HIDF HID RETROFIT LED LAMPS - FILAMENT

EiKO's HIDF family of LED Filament lamps are a direct-fit retrofit & upgrade solution for traditional HID lamps. Their ANSI bulb shapes with omni-directional light distribution ensure direct form, fit and function matching HID lamps. The high efficacy design consumes up to 5 times less power, delivering energy savings while maintaining the aesthetic of traditional HID lamps. Robust environmental ratings and available PowerSET & ColorSET features allow field customization and hassle-free retrofit installation.



FEATURES AND BENEFITS

PERFORMANCE

- Replaces up to 450W traditional HID lamps in E26 and EX39 base configurations
- Traditional HID Lamp form factors for direct fit installation. Available in ED17, ED23.5, ED28 & ED37 lamp sizes
- HID-Like Light Distribution - Curved glass design optimizes light diffusion for uniform illumination with reduced glare, closely resembling traditional HID lighting
- Field Selectable CCT and Power options, for simplified SKU management and field customization.
 - PowerSET: 3 step power tuning (E26: 54/45/36W, EX39: 120/100/80W)
 - ColorSET: 3 CCT settings (3000K/4000K/5000K)
- Input Voltage: 120-277V
- Technical Performance:
 - Efficacy up to 200 lm/W
 - CRI >80
 - L70 Rated Life: >50,000 hours (3X longer than metal halide or HPS)
 - Power Factor: >0.9
 - THD: <20%
 - Surge Protection: up to 4kV
- Operating Temperature: -22°F to 140°F (-30°C to 60°C)
- Enclosed Fixture Rated

CONSTRUCTION

- Superior Thermal Management - Glass enclosure provides stable heat dissipation through natural convection, avoiding degradation issues common with plastic housings
- Superior Vibration Resistance - Solid-state construction is more robust than fragile HID arc tubes, ideal for outdoor applications
- Wet Location Rated - IP54 rating provides dust and water ingress protection

INSTALLATION

- Direct HID Replacement - Compatible with existing HID sockets (E26/EX39), enabling plug-and-play retrofits without fixture modifications
- Type B Ballast Bypass Design - Direct AC connection
- Universal Mounting Position - Suitable for base up, base down, or horizontal installations

APPLICATIONS

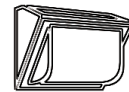
- Decorative Post Tops & Coach Lights
- High Bays
- Heritage Fixtures
- Plaza & Streetlight Applications
- Parking lots, Pathways
- Wall Packs
- High Bays
- Post Area & Shoe Box lights



POST TOP



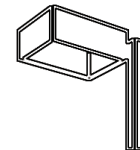
LOW/HIGH BAY



WALL PACK



DUSK TO DAWN



SHOE BOX

DIRECT FIT INTO TRADITIONAL HID LAMP BASES

E26



EX39



ORDERING GUIDE

MODEL CONFIGURATOR				
MODEL	WATTS	COLOR TEMPERATURE	INPUT VOLTAGE	BASE
HIDF	XXW or PSXX	8XX or 8FCCT	U	E26 or EX39
HIDF = HID Retrofit LED Lamp	Fixed Power 15W – 15W 20W – 20W PS: PowerSET PS25 – 25/20.5/17W PS45 – 45/38/30W PS85 – 85/68/60W	XXX Fixed CCT Models 850 – 80 CRI, 5000K 840 – 80 CRI, 4000K 822 – 80 CRI, 2200K 8FCCT: Field ColorSET models 8FCCT: 80 CRI, ColorSET 3000/4000/5000K	U - 120-277V	E26 – Medium Base EX39 – Mogul Base

AVAILABLE MODELS

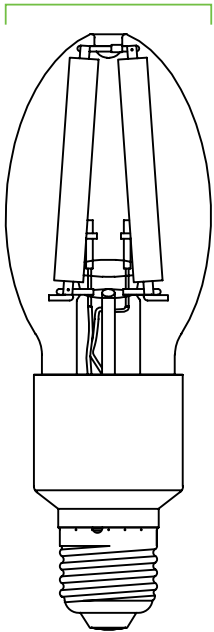
ORDER CODE	MODEL	HID REPLACEMENT WATTAGE (W)	BULB SHAPE	WATTS (W)	LUMEN OUTPUT (LM)	CORELATED COLOR TEMPERATURE (K)	EFFICACY (LM/W)	SURGE RATING	DLC ID #
E26									
120-277V									
16337	HIDF-15W-850-U-E26	50W	ED17	15W	2,700 lm	5000K	180	2kV	Exempt
16336	HIDF-15W-822-U-E26		ED17	15W	2,250 lm	2200K	150		Exempt
16335	HIDF-20W-850-U-E26	70W	ED23.5	20W	3,600 lm	5000K	180		Exempt
16334	HIDF-20W-840-U-E26		ED23.5	20W	3,600 lm	4000K	180		Exempt
EX39									
120-277V									
16333	HIDF-PS25-8FCCT-U-EX39	100W	ED28	25/20.5/17W	5,000/4,150/3,450 lm	3000/4000/5000K	200	3kV	S-FLFR5N
16332	HIDF-PS45-850-U-EX39	320W	ED28	45/38/30W	8,750/7,400/5,850 lm	5000K	195		S-YH89LL
16331	HIDF-PS45-8FCCT-U-EX39	up to 320W	ED37	45/38/30W	8,325/7,030/5,550 lm	3000/4000/5000K	185		S-91VDWX
16330	HIDF-PS85-850-U-EX39	450W	ED37	85/68/60W	16,500/13,200/11,700 lm	5000K	195	4kV	S-FGY60N
16329	HIDF-PS85-840-U-EX39	450W	ED37	85/68/60W	15,725/12,580/11,100 lm	4000K	185		S-ZC02DF

Field-selectable lamps ship at highest wattage setting and at 5000K CCT

PRODUCT DIMENSIONS

BULB SHAPE: ED17

2.20" / 56mm

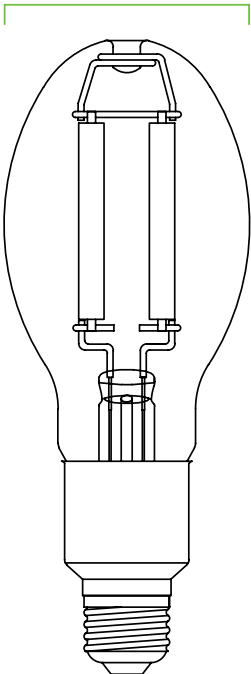


6.38" / 162mm

HIDF-15W-850-U-E26
HIDF-15W-822-U-E26

BULB SHAPE: ED23.5

2.95" / 75mm

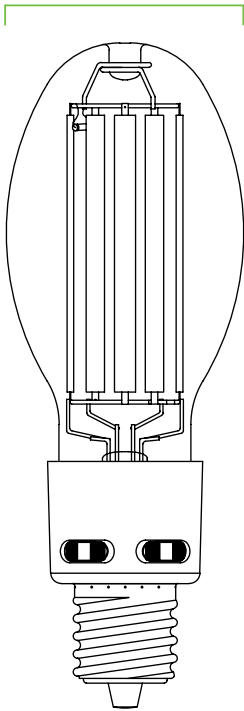


7.72" / 196mm

HIDF-20W-850-U-E26
HIDF-20W-840-U-E26

BULB SHAPE: ED28

3.58" / 91mm

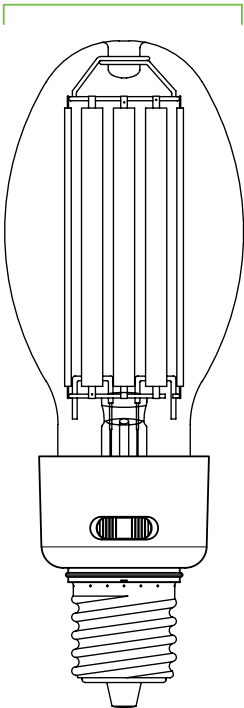


9.92" / 252mm

HIDF-PS25-8FCCT-U-EX39

BULB SHAPE: ED28

3.58" / 91mm

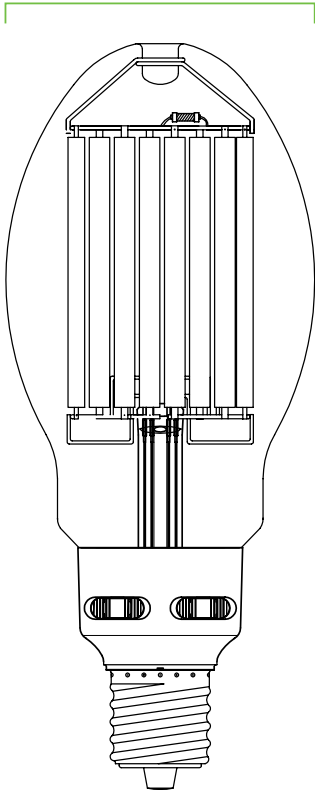


9.92" / 252mm

HIDF-PS45-850-U-EX39

BULB SHAPE: ED37

4.76" / 121mm

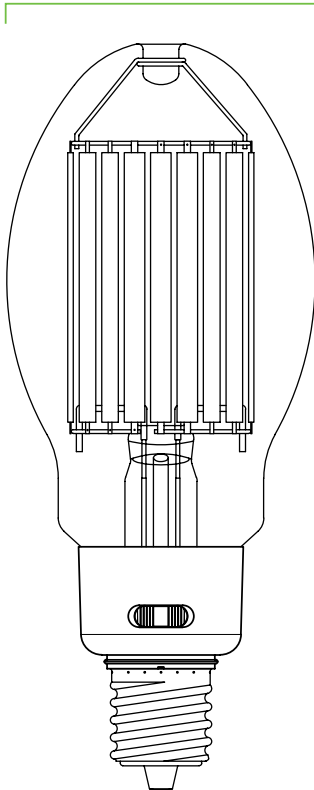


11.50" / 292mm

HIDF-PS45-8FCCT-U-EX39

BULB SHAPE: ED37

4.76" / 121mm



11.50" / 292mm

HIDF-PS85-840-U-EX39
HIDF-PS85-850-U-EX39