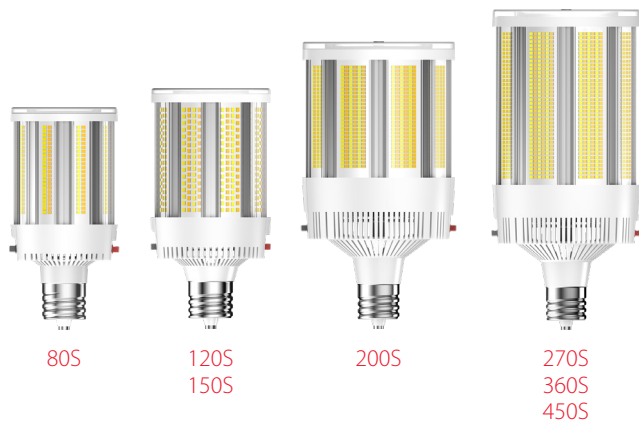


Active-Cooling, Field-Adjustable Post Top



40W-450W LED, Wattage & CCT Adjustable,
UL Type B, 120-277V & 277-480V, EX39 base

PROJECT:

DATE:

TYPE:

PREPARED BY:



KEY FEATURES

- **Active cooling** allows for the reduction in size of the lamp of up to 30%, allowing it to fit into tight spaces and more accurately mirroring the traditional ANSI footprint
- **Lumen and CCT selectable** via physical controls located on the lamp
- **Rated for open and enclosed fixtures** with an IP64 listing and polycarbonate lens
- **Integral driver** enables lamp to be wired directly to line voltage without need for an external driver or ballast
- **3000/4000/5000K** selectable color temperature



PERFORMANCE

| Catalog Number | Wattage Equivalency | Size | Input Wattage | Lumens | Efficacy | Input Voltage | Beam Angle | Color Temp | L70 Lifespan | Installation Orientation |
|-------------------------------|---------------------|--------|---------------|-----------------------|----------|---------------|------------|---|--------------|--------------------------|
| HIDFA-80S-EX39-8CCT-BYP | 250W Metal Halide | ED23.5 | 80/60/40W | 12,197 lm - 6,904 lm | 160 lm/W | 120-277V | 280° | Field adjustable via dip switch 3000/4000/5000K | 50,000 Hrs | Universal |
| HIDFA-120S-EX39-8CCT-BYP | 400W Metal Halide | ED28 | 120/90/60W | 19,508 lm - 9,633lm | 160 lm/W | | | | | |
| HIDFA-150S-EX39-8CCT-BYP | 400W Metal Halide | ED28 | 150/115/80W | 24,074 lm - 14,360 lm | 160 lm/W | | | | | |
| HIDFA-200S-EX39-8CCT-BYP | 600W Metal Halide | ED37 | 200/150/100W | 17,290 lm-33,380 lm | 160 lm/W | | | | | |
| HIDFA-270S-EX39-8CCT-BYP | 700W Metal Halide | ED37 | 270/200/135W | 23,412 lm-45,330 lm | 160 lm/W | | | | | |
| HIDFA-120S-EX39-8CCT-BYP/480V | 400W Metal Halide | ED28 | 120/90/60W | 9,721 lm-19,973 lm | 160 lm/W | 277-480V | | | | |
| HIDFA-150S-EX39-8CCT-BYP/480V | 400W Metal Halide | ED28 | 150/115/80W | 12,853 lm-24,775 lm | 160 lm/W | | | | | |
| HIDFA-200S-EX39-8CCT-BYP/480V | 600W Metal Halide | ED37 | 200/150/100W | 17,220 lm-33,260 lm | 168 lm/W | | | | | |
| HIDFA-270S-EX39-8CCT-BYP/480V | 700W Metal Halide | ED37 | 270/200/135W | 23,161 lm-45,869 lm | 168 lm/W | | | | | |
| HIDFA-360S-EX39-8CCT-BYP/480V | 1000W Metal Halide | ED37 | 360/270/180W | 30,280 lm -59,004 lm | 160 lm/W | | | | | |
| HIDFA-450S-EX39-8CCT-BYP/480V | 1500W Metal Halide | ED37 | 450/338/225W | 38,244 lm-73,158 lm | 160 lm/W | | | | | |

PERFORMANCE (CONT.)

| Catalog Number | Wattage (Max) | Wattage FA | Selectable CCT | Lumens | Efficacy |
|-------------------------------|---------------|------------|----------------|--------|----------|
| HIDFA-450S-EX39-8CCT-BYP/480V | 450W | 225W | 3000K | 38,244 | 170 |
| | | | 4000K | 40,513 | 180 |
| | | | 5000K | 40,877 | 182 |
| | | 338W | 3000K | 53,389 | 158 |
| | | | 4000K | 57,366 | 170 |
| | | | 5000K | 56,968 | 169 |
| | | 450W | 3000K | 68,132 | 151 |
| | | | 4000K | 73,158 | 163 |
| | | | 5000K | 71,570 | 159 |
| HIDFA-360S-EX39-8CCT-BYP/480V | 360W | 180W | 3000K | 30,280 | 168 |
| | | | 4000K | 30,280 | 168 |
| | | | 5000K | 32,050 | 178 |
| | | 270W | 3000K | 43,431 | 161 |
| | | | 4000K | 46,160 | 171 |
| | | | 5000K | 45,839 | 170 |
| | | 360W | 3000K | 54,766 | 152 |
| | | | 4000K | 59,004 | 164 |
| | | | 5000K | 57,783 | 161 |
| HIDFA-270S-EX39-8CCT-BYP | 270W | 135W | 3000K | 23,413 | 173 |
| | | | 4000K | 24,450 | 181 |
| | | | 5000K | 24,725 | 183 |
| | | 200W | 3000K | 32,499 | 162 |
| | | | 4000K | 34,581 | 173 |
| | | | 5000K | 34,542 | 173 |
| | | 270W | 3000K | 41,911 | 155 |
| | | | 4000K | 45,330 | 168 |
| | | | 5000K | 44,903 | 166 |
| HIDFA-270S-EX39-8CCT-BYP/480V | 270W | 135W | 3000K | 23,161 | 172 |
| | | | 4000K | 24,442 | 181 |
| | | | 5000K | 24,803 | 184 |
| | | 200W | 3000K | 33,039 | 165 |
| | | | 4000K | 35,334 | 177 |
| | | | 5000K | 35,183 | 176 |
| | | 270W | 3000K | 42,426 | 157 |
| | | | 4000K | 45,869 | 170 |
| | | | 5000K | 45,191 | 167 |

Active-Cooling, Field-Adjustable Post Top



PERFORMANCE (CONT.)

| Catalog Number | Wattage (Max) | Wattage FA | Selectable CCT | Lumens | Efficacy |
|-------------------------------|---------------|------------|----------------|--------|----------|
| HIDFA-200S-EX39-8CCT-BYP | 200W | 100W | 3000K | 17,291 | 173 |
| | | | 4000K | 18,124 | 181 |
| | | | 5000K | 18,226 | 182 |
| | | 150W | 3000K | 24,625 | 164 |
| | | | 4000K | 26,081 | 174 |
| | | | 5000K | 25,871 | 172 |
| | | 200W | 3000K | 31,203 | 156 |
| | | | 4000K | 33,380 | 167 |
| | | | 5000K | 32,829 | 164 |
| HIDFA-200S-EX39-8CCT-BYP/480V | 200W | 100W | 3000K | 17,220 | 172 |
| | | | 4000K | 18,095 | 181 |
| | | | 5000K | 18,445 | 184 |
| | | 150W | 3000K | 24,270 | 162 |
| | | | 4000K | 25,545 | 170 |
| | | | 5000K | 25,360 | 169 |
| | | 200W | 3000K | 31,042 | 155 |
| | | | 4000K | 33,260 | 166 |
| | | | 5000K | 32,990 | 165 |
| HIDFA-150S-EX39-8CCT-BYP | 150W | 80W | 3000K | 13,597 | 170 |
| | | | 4000K | 14,270 | 178 |
| | | | 5000K | 14,360 | 180 |
| | | 115W | 3000K | 18,617 | 162 |
| | | | 4000K | 19,816 | 172 |
| | | | 5000K | 19,783 | 172 |
| | | 150W | 3000K | 23,045 | 154 |
| | | | 4000K | 24,812 | 165 |
| | | | 5000K | 24,704 | 165 |
| HIDFA-150S-EX39-8CCT-BYP/480V | 150W | 80W | 3000K | 12,853 | 161 |
| | | | 4000K | 13,313 | 166 |
| | | | 5000K | 13,313 | 166 |
| | | 115W | 3000K | 17,791 | 155 |
| | | | 4000K | 18,696 | 163 |
| | | | 5000K | 18,524 | 161 |
| | | 150W | 3000K | 23,069 | 154 |
| | | | 4000K | 24,775 | 165 |
| | | | 5000K | 24,423 | 163 |

Active-Cooling, Field-Adjustable Post Top



PERFORMANCE (CONT.)

| Catalog Number | Wattage (Max) | Wattage FA | Selectable CCT | Lumens | Efficacy |
|-------------------------------|---------------|------------|----------------|--------|----------|
| HIDFA-120S-EX39-8CCT-BYP | 120W | 60W | 3000K | 9,633 | 161 |
| | | | 4000K | 10,069 | 168 |
| | | | 5000K | 10,153 | 169 |
| | | 90W | 3000K | 14,215 | 158 |
| | | | 4000K | 15,119 | 168 |
| | | | 5000K | 15,099 | 168 |
| | | 120W | 3000K | 18,152 | 151 |
| | | | 4000K | 19,456 | 162 |
| | | | 5000K | 19,508 | 163 |
| HIDFA-120S-EX39-8CCT-BYP/480V | 120W | 60W | 3000K | 9,721 | 162 |
| | | | 4000K | 10,145 | 169 |
| | | | 5000K | 10,294 | 172 |
| | | 90W | 3000K | 14,353 | 159 |
| | | | 4000K | 15,147 | 168 |
| | | | 5000K | 15,103 | 168 |
| | | 120W | 3000K | 19,065 | 159 |
| | | | 4000K | 19,973 | 166 |
| | | | 5000K | 19,753 | 165 |
| HIDFA-80S-EX39-8CCT-BYP | 80W | 40W | 3000K | 6,455 | 161 |
| | | | 4000K | 6,766 | 169 |
| | | | 5000K | 6,904 | 173 |
| | | 60W | 3000K | 9,158 | 153 |
| | | | 4000K | 9,696 | 162 |
| | | | 5000K | 9,719 | 162 |
| | | 80W | 3000K | 11,862 | 148 |
| | | | 4000K | 12,330 | 154 |
| | | | 5000K | 12,197 | 152 |

Active-Cooling, Field-Adjustable Post Top



TECHNICAL SPECIFICATIONS

CONSTRUCTION

| | |
|--|---|
| Product Type Post Top with Active Cooling design | Enclosure Material UV Resistant Polycarbonate housing |
| Shape ED23.5 - 80W ED28 - 120W, 150W ED37 - 200W, 270W, 360W, 450W | Finish White |
| Endcap Material Metal | Lens Finish Clear |

INSTALLATION

| | |
|---|---|
| Installation Method UL Type B, Ballast Bypass | Installation Orientation Universal - both horizontal, base up or down installations |
| Enclosed Fixture Rated Yes | Base Type EX39 Exclusionary Mogul |

ELECTRICAL

| | |
|---|---------------------------------|
| Dimmable Step dimming with physical switch on lamp body | THD ≤20% |
| Input Voltage 120-277V & 277V-480V models available | Power Factor ≥0.9 |
| Operating Frequency 60Hz | Flicker <50% |
| Operating Temperature -40°F to 122°F (-40°C to 50°C) | Surge Protection 4 kV |

LED CHARACTERISTICS

| | |
|--|--|
| Beam Angle 280° | Color Stability LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period |
| Color Temperature Field adjustable via dip switch 3000/4000/5000K | 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. |
| Color Accuracy (CRI) 82 | |
| R9 Value High color performance with R9 greater than 6 | |
| Color Consistency <7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color | |

COMPLIANCE

| | |
|--|--|
| Listings UL Listed, UL Classified | California Energy Commission (CEC) Status Lawful for Sales in California |
| Environment Suitable for use indoors in dry and damp environments | RoHS Mercury and UV free. RoHS-compliant components |
| Fixture Rating Suitable for use in enclosed fixtures | FCC Complies with Part 15 of the FCC Rules |
| IP Rating IP54 | |
| DLC Listed This product is 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. | |

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 . |
|---|

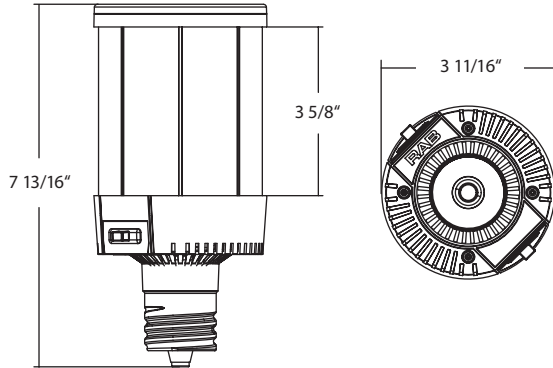
Active-Cooling, Field-Adjustable Post Top



DIMENSIONS

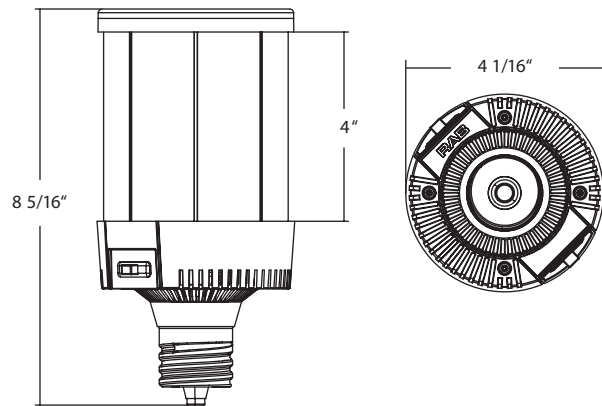
80S

Weight: 1.28 lbs



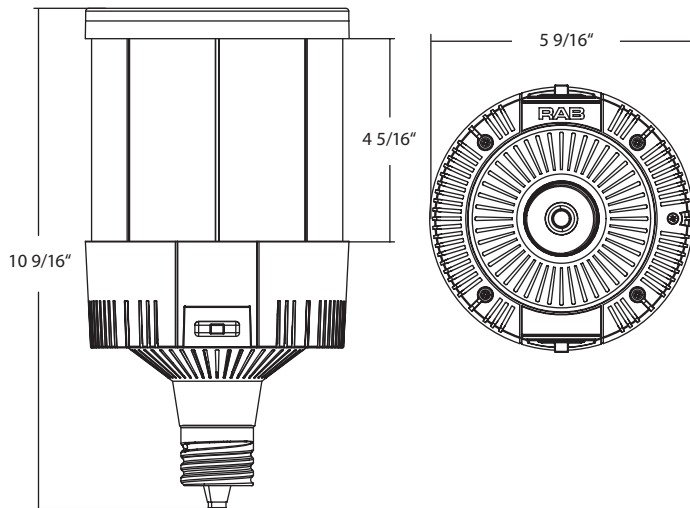
120S/150S

Weight: 1.65/1.72 lbs



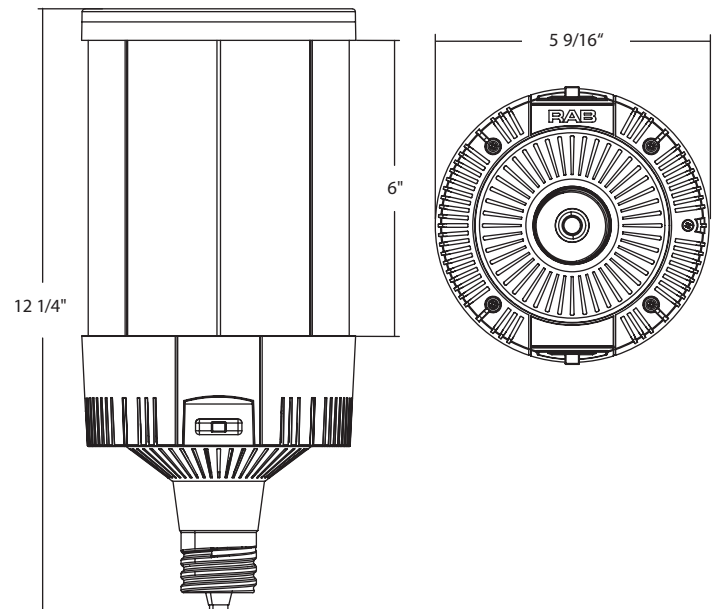
200S

Weight: 2.86 lbs



270S/360S/450S

Weight: 3.56/3.63/3.70 lbs



Active-Cooling, Field-Adjustable Post Top



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 | Model Number | UPC | Case Pack |
|-------------------------------|---------------------------------------|--------------|-----------|
| HIDFA-80S-EX39-8CCT-BYP | H20046(HIDFA-80S-EX39-8CCT-BYP) | 192552045407 | 12 |
| HIDFA-120S-EX39-8CCT-BYP | H20047(HIDFA-120S-EX39-8CCT-BYP) | 192552045414 | 12 |
| HIDFA-150S-EX39-8CCT-BYP | H20048(HIDFA-150S-EX39-8CCT-BYP) | 192552045421 | 12 |
| HIDFA-200S-EX39-8CCT-BYP | H20049(HIDFA-200S-EX39-8CCT-BYP) | 192552045438 | 6 |
| HIDFA-270S-EX39-8CCT-BYP | H20050(HIDFA-270S-EX39-8CCT-BYP) | 192552045445 | 6 |
| HIDFA-120S-EX39-8CCT-BYP/480V | H20051(HIDFA-120S-EX39-8CCT-BYP/480V) | 192552045452 | 12 |
| HIDFA-150S-EX39-8CCT-BYP/480V | H20052(HIDFA-150S-EX39-8CCT-BYP/480V) | 192552045469 | 12 |
| HIDFA-200S-EX39-8CCT-BYP/480V | H20053(HIDFA-200S-EX39-8CCT-BYP/480V) | 192552045476 | 6 |
| HIDFA-270S-EX39-8CCT-BYP/480V | H20054(HIDFA-270S-EX39-8CCT-BYP/480V) | 192552045483 | 6 |
| HIDFA-360S-EX39-8CCT-BYP/480V | H20055(HIDFA-360S-EX39-8CCT-BYP/480V) | 192552045490 | 6 |
| HIDFA-450S-EX39-8CCT-BYP/480V | H20056(HIDFA-450S-EX39-8CCT-BYP/480V) | 192552045506 | 6 |

ORDERING MATRIX

| Family | Wattage | Base | CRI/Color Temp. | Installation | Driver |
|--------|---|--------------------|--|------------------|---|
| HIDFA | 80S 120S 150S 200S 270S 360S 450S | EX39 Mogul Base | 8CCT 80CRI, 3000/4000/5000K CCT Adjustable | BYP UL Type B | Blank 120-277V Step Dimming /480V 277-480V Step Dimming |

* 277-840V Versions only