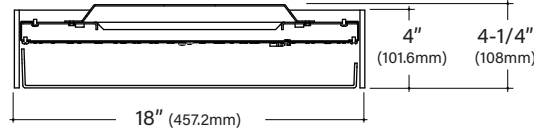




FINA F18D

18" Direct Suspended Architectural Round

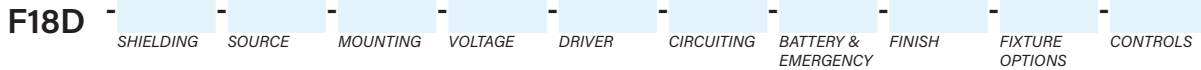


Key Features

- Aluminum housing is rolled and welded for seamless finish with 1/4" trim
- Aluminum top cover conceals all electrical components. Highly reflective die-formed white painted steel reflector
- FINA offered with a 5-year limited warranty. Covers LED, driver and fixture
- ETL Listed conforming to UL1598 in US and CSA 250 in Canada
- Room-side maintenance for LED system



Example Part #: F18D-A-930HO-AC348JB-U-FSD-1-0-W



| --- | --- | --- | --- |
|---|--|---|---|
| SHIELDING | SOURCE ¹ | MOUNTING ² | VOLTAGE |
| A - Flush Satine Lens AR - Regress Satine Lens AL - Drop Satine Lens <i>Shielding pg. 2</i> | 927 _ _ - 2700K 930 _ _ - 3000K 935 _ _ - 3500K 940 _ _ - 4000K CL _ _ _ _ - Custom Lumens CW _ _ _ _ - Custom Watts <i>Source pg. 2</i> | AC3 _ _ _ _ - 3 AC to JB or ST AH4 _ _ _ _ - 4 AC w/hub to JB or ST PP _ _ _ _ - Pendant Pipe to JB or ST PS _ _ _ _ - Pendant Swivel to JB or ST S - Surface Mount WA - Wall Mount <i>Mounting pg. 3</i> | U - Universal (120 thru 277V) 1 - 120V 2 - 277V 3 - 347V <i>Voltage pg. 3</i> |
| --- | --- | --- | --- |
| DRIVER | CIRCUITING | BATTERY & EMERGENCY | FINISH |
| FSD - Factory Select Driver (1%, 0-10v) PL2 - Advance Xitanium (1%, 0-10v) OL2 - eldoLED Optotronic (1%, 0-10v) OL4 - eldoLED Optotronic 347v (1%, 0-10v) EE1 - eldoLED ECOdrive (1%, 0-10v) ES1 - eldoLED SOLOdrive (0.1%, 0-10v) LH1 - Lutron Hi-lume (1%, EcoSystem) <i>Driver pg. 3</i> | 1 - Single Circuit E - Emergency (<i>entire fixture</i>) N - Night Light (<i>entire fixture</i>) <i>Circuiting pg. 4</i> | 0 - None GI - Iota ETS DR 1ICL - Iota 7W 1PB - Bodine 10W 1PCL - Bodine 6W <i>Battery and Emergency pg. 4</i> | W - White S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color <i>Finish pg. 4</i> |
| --- | --- | --- | --- |
| FIXTURE OPTIONS ³ | CONTROLS ⁴ | | |
| AM - Antimicrobial Paint DSP - Customer Supplied Battery/Driver/ Sensor GMF - Slow Blow Fusing BA - Buy America(n) Act and/or Build America Buy America Compliant <i>Fixture</i> Options pg. 4 | DLMFC - Wattstopper DLM (<i>wired</i>) ENLI - Enlighted (<i>wireless</i>) ENLC - Enlighted (<i>wireless</i>) <i>Controls pg. 4</i> | | |

¹When specifying SOURCE use the ending _ _ are for specifying output, example **HO** - High Output. ²Example: AC348JB. AC3 = 3 Aircraft Cables, 48 = 48" long cables, JB = connects to junction box. Standard AC cable lengths are 48" and 120", field adjustable. Standard pendant lengths are 12", 18", or 24". ³Compliance is configuration dependent; consult factory for confirmation. ⁴Controls can only be used with Single Circuit (1) or Emergency Circuit (E), cannot be used with any battery options. See Controls chart on page 4 for driver options and more information.

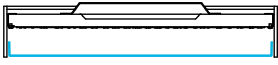
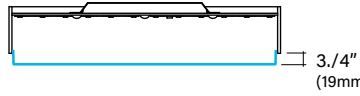
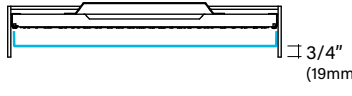
Specifications and dimensions subject to change without notice. Specification sheets that appear on pinnacle-ltg.com are the most recent version and supersede all other previously printed or electronic versions.



Shielding

- White virgin acrylic lens with matte finish, removable for LED access
- Lens available in 3 positions

Ordering Code

| A | AL | AR |
|---|---|--|
| Flush Satine Lens | Drop Satine Lens | Regress Satine Lens |
|  |  |  |

Source: White LED

- 90 CRI = R9≥50

Custom Output- Lumens OR Wattage

| | | |
|---------|--|--|
| CL_____ | Specify CRI, CCT and desired lumens (i.e. CL8352000) | Specify lumens between standard offering listed below. Lumens are specified per color temp |
| CW_____ | Specify CRI, CCT and desired wattage (i.e. CW94020) | Specify watts between standard offering listed below |

90 CRI

| | Color | Shielding A, AL, AR Satine Lens | | |
|-------|-------|---------------------------------------|-------|-----|
| | | Lumens | Watts | LPW |
| 927LO | 2700K | 1063 | 12.7 | 84 |
| 927MO | 2700K | 1802 | 21.3 | 84 |
| 927HO | 2700K | 2492 | 30.3 | 82 |
| 930LO | 3000K | 1106 | 12.5 | 88 |
| 930MO | 3000K | 1876 | 21.1 | 89 |
| 930HO | 3000K | 2594 | 29.8 | 87 |
| 935LO | 3500K | 1106 | 12.5 | 88 |
| 935MO | 3500K | 1876 | 21.1 | 89 |
| 935HO | 3500K | 2594 | 29.8 | 87 |
| 940LO | 4000K | 1160 | 12.6 | 92 |
| 940MO | 4000K | 1963 | 21.2 | 92 |
| 940HO | 4000K | 2708 | 30.1 | 90 |



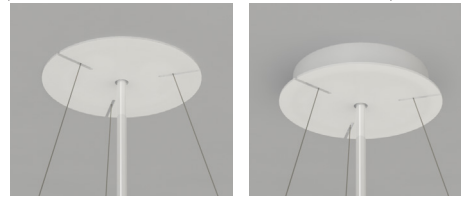
Mounting

- Aircraft cables and pendants mount directly to a standard junction box or structure
- Canopies and pendants match fixture finish, power cords are white or black depending on fixture finish. See Finish section for additional details.
- Must specify overall pendant length of 12", 18" or 24"
- Must specify cable length, either 48" or 120" standard, field adjustable
- Tie off fixture to structure with retention wires
- Maximum fixture weight is 20 lbs

| | | | |
|---|--|--|-----------------------------------|
| AC3__JB 3 AC cables to fixture to J-Box | AH4__JB 4 AC cables with hub to fixture to J-Box | PP__JB Pendant Pipe to J-Box | S Surface Mount Ceiling |
| AC3__ST 3 AC cables to fixture to Structure | AH4__ST 4 AC cables with hub to fixture to Structure | PS__JB Pendant Swivel to J-Box | WA Surface Mount Wall |
| | | PP__ST Pendant Pipe to Structure | |
| | | PS__ST Pendant Swivel to Structure | |

Canopies

- The canopy can be installed either below the ceiling plane or semi-recessed into the ceiling for a flush mount installation
- Standard kit can be installed either way
- Flush canopy installation is not available for fixtures installed below a grid rail



Voltage

- Some FINA configurations will not accommodate all voltage options; consult with factory

| | |
|----------|-----------|
| U | Universal |
| 1 | 120 volt |
| 2 | 277 volt |
| 3 | 347 volt |

Driver

- Standard Driver Option = FSD
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more Driver options, see Pinnacle Resource Guide on download pages at pinnacle-ltg.com
- Some FINA configurations will not accommodate all driver options; consult with factory

| 0-10V Drivers | |
|----------------|---|
| FSD | Factory Select Driver 1%, 0-10v |
| PL2 | Advance Xitanium, 1%, 0-10v |
| OL2 | eldoLED Optotronic, 1%, 0-10v |
| OL4 | eldoLED Optotronic 347v, 1% 0-10v, requires 347v option |
| EE1 | eldoLED ECOdrive 1%, 0-10v Logarithmic |
| EE2 | eldoLED ECOdrive 1%, 0-10v Linear |
| ES1 | eldoLED SOLOdrive 0-10v, 0.1% Logarithmic |
| ES2 | eldoLED SOLOdrive 0-10v, 0% Linear |
| DALI Drivers | |
| EE3 | eldoLED ECOdrive 1%, DALI 2, Logarithmic, DT6 |
| ES3 | eldoLED SOLOdrive 0.1%, DALI 2, Logarithmic, DT6 |
| Lutron Drivers | |
| LH1 | Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1 |



Circuiting

- Select fixture circuiting from options below
- Some FINA configurations will not accommodate all circuiting options; consult with factory

| | |
|----------|--------------------------|
| 1 | Single Circuit |
| E | Emergency Circuit only |
| N | Night Light Circuit only |

Battery & Emergency

- Select battery or emergency options if required
- Battery duration is 90 minutes
- Test button is remote to fixture
- For more Battery options, see Pinnacle Resource Guide

| | |
|-------------|--|
| 0 | No Battery |
| GI | Iota ETS-DR, Emergency Control Device, UNV |
| 1ICL | Iota 7w, Integral Lithium, Self Testing |
| 1PB | Bodine 10w, Integral |
| 1PCL | Bodine 6w, Integral Lithium, Self Testing |

For Approximate Battery Lumen Output

- Multiply battery wattage X fixture LPW shown on Lumen Table
- 10 (watts) x 92.3 (LPW) = 923 battery lumen output

Battery & Emergency Ordering Examples

- Single circuit, 10w integral battery Ordering Code: 1-1PB
- Emergency circuit only, 10w integral battery Ordering Code: E-1PB

Finish

- Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes
- Selecting a fixture finish other than white may impact lumen output; consult factory for more information

| | |
|-----------|---|
| W | White <i>(white cord/white canopy)</i> |
| S | Metallic Silver <i>(white cord/silver canopy)</i> |
| BL | Textured Black <i>(black cord/black canopy)</i> |
| BR | Bronze <i>(white cord/bronze canopy)</i> |
| GR | Graphite <i>(white cord/graphite canopy)</i> |
| CC | Custom Color <i>(white cord/color match canopy)</i> |

Fixture Options

- Additional options to enhance the fixture and finish of the product

| | |
|------------|---|
| AM | Antimicrobial Paint |
| DSP | Customer Supplied Battery/Driver/Sensor |
| GMF | Internal Slow Blow Fuse |

- Domestic content option - compliance is configuration dependent; consult factory for conformation

| | |
|-----------|---|
| BA | Buy America(n) Act and/or Build America Buy America Compliant |
|-----------|---|

Controls

- Pinnacle Lighting offers easy to specify network control solutions that connect to an intelligent centralized system to maximize lighting energy efficiencies or integral sensors for individual fixture control
- Pinnacle Lighting fixtures ship technology ready; commissioning by others
- Controls can only be used with Single Circuit (1) or Emergency Circuit (E)
- Contact factory for any non-standard configurations for layout, placement, or EM options
- One sensor per housing typical, contact factory for more information

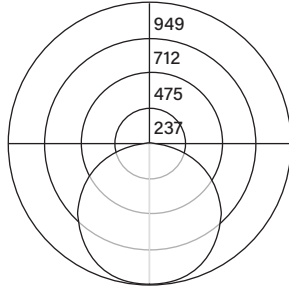
| | Solution | Components | Network/Sensor | Connection | RQD Drivers | Limitation |
|--------------|-------------------------|------------|-----------------------------------|-----------------------|-------------|------------|
| DLMFC | Legrand Wattstopper DLM | LMFC-011 | Digital Lighting Management (DLM) | Wired, two RJ45 ports | OL2, OL4 | None |



Photometrics

Satine Lens

| | |
|-----------|----------------------|
| Test # | Scaled from ITL92440 |
| Catalog # | F18-A-840HO |
| Lumens | 2708 lm |
| Watts | 30.1 W |
| Efficacy | 90 LPW |



Candela Distribution

| Vert Angle | Horizontal Angle |
|------------|------------------|
| | 0 |
| 0 | 942 |
| 5 | 949 |
| 10 | 939 |
| 15 | 917 |
| 20 | 886 |
| 25 | 847 |
| 30 | 802 |
| 35 | 750 |
| 40 | 693 |
| 45 | 630 |
| 50 | 562 |
| 55 | 491 |
| 60 | 415 |
| 65 | 337 |
| 70 | 257 |
| 75 | 179 |
| 80 | 106 |
| 85 | 46 |
| 90 | 0 |

Luminance Data (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|------------------|---------------|----------------|----------------|
| 45 | 5737 | 5737 | 5737 |
| 55 | 5511 | 5511 | 5511 |
| 65 | 5137 | 5137 | 5137 |
| 75 | 4453 | 4453 | 4453 |
| 85 | 3405 | 3405 | 3405 |

For all available IES files, please visit our website at pinnacle-ltg.com. Photometry testing in accordance to IESNA-LM-79-08 at an NVLAP or IAS accredited testing laboratory. Testing conducted at 25°C ambient conditions

Approvals & Certifications

Construction: Extruded aluminum housing is rolled and welded for seamless finish with minimal trim detail. Aluminum top cover conceals all electrical components. Highly reflective die-formed white painted steel reflector. Wiring access on top of housing.

Shielding: Single piece diffuse lens creating a fully luminous housing. Available with standard satine lens.

Mounting: Aircraft cable, Pendant, Surface and Wall mount available. Aircraft Cable and pendant supplied with 5" (127mm) canopies. Refer to installation instructions for appropriate ceiling detail.

LED: 25°C test environment. Lumen output/wattage has a margin of +/- 5%. Luminaire configurations tested in accordance with IES LM-79. Diodes tested in accordance with IES LM-80. Lifetime calculated using IES TM-21. Minimum lifetime greater than 60,000 hours. TM-21-21 Lifetime Rating L70 = >102,000 hours, L90 = 52,600 hours. MacAdam 3-Step Ellipses. For all available IES files, please visit our website at pinnacle-ltg.com.

CRI, CCT & Output: Not all lumen packages available. Three lumen packages available. Low (LO), Medium (MO) and High (HO). Custom outputs are available. Specify custom lumens or watts between standard offering listed on CRI, CCT & Output page. 90 CRI is available for 2700K, 3000K, 3500K and 4000K. 90 CRI = R9≥50.

Voltage: Universal (U), 120 volt (1), 277 volt (2) and 347 volt (3) options available. Must specify PL4 or OL4 in Driver section when 347 volt (3) is selected. Some configurations will not accommodate all voltage options; consult with factory.

Driver: Standard Driver Option is Factory Select Driver 0-10V, 1% = FSD. Electronic driver, Power factor is >0.9 with a THD <20%. Driver Lifetime: 50,000 hours at 25°C ambient operating conditions. For more driver options, see Pinnacle Resource Guide. Some configurations will not accommodate all driver options.

Circuiting: Select from Single circuit (1), Emergency circuit (E) or Night Light circuit (N). Some FINA configurations will not accommodate all circuiting options, consult with factory.

Battery & Emergency: Select battery or emergency options if required. If battery or emergency option is not required, enter 0. Battery duration is 90 minutes as standard. Test button is remote to fixture. For more Battery options, see Pinnacle Resource Guide on download pages at pinnacle-ltg.com.

Finish: Standard powder-coat textured white, metallic silver, textured black, graphite, or bronze painted finish, consult factory for chip of standard paint finishes. Contact factory for additional custom color and finish options.

Controls: DLM utilizes wired network connections for digital control through switching and dimming with 0-10v LED drivers.

Buy America Act (BAA) and Build America, Buy America Act (BABA) Compliance: BAA and/or BABA compliance options are available to support federally funded projects requiring domestic content. Availability depends on configuration; Compliance is configuration-dependent; consult factory for confirmation.

Labels: UL and cUL 1598 listed. LO, MO, and HO lumen packages are IC Rated, approved for dry/damp location unless otherwise noted.

Fixture Weight: 20 lbs maximum

Warranty: FINA LED offered with a 5-year limited warranty. Covers LED, driver and fixture.