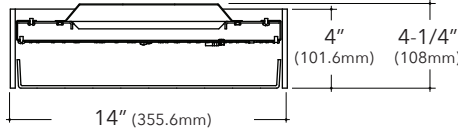




FINA F14D

14" Direct Suspended Architectural Round
with Acoustic Solutions



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
- Sound Absorption available in specific configurations
- 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
- Maximum fixture weight is 15 lbs
- Room-side maintenance for LED system
- Buy American Act compliant
- Apparent Noise Reduction Coefficient (NRC) is up to 1.6



Example Part #: F14D-A-930HO-AC348JB-U-FSD-1-0-W

F14D - **SHIELDING** - **SOURCE** - **MOUNTING** - **VOLTAGE** - **DRIVER** - **CIRCUITING** - **BATTERY & EMERGENCY** - **FINISH** - **FIXTURE OPTIONS** - **CONTROLS**

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SHIELDING ¹	SOURCE ²	MOUNTING ³	VOLTAGE
A - Flush Satine Lens AL - Drop Satine Lens AR - Regress Satine Lens ASF - Acoustic Solution Flush <i>(use A_ to specify color)</i> ASR - Acoustic Solution Regress <i>(use A_ to specify color)</i> <i>Shielding pg. 2</i>	927 - 2700K 930 - 3000K 935 - 3500K 940 - 4000K CL - Custom Lumens CW - Custom Watts NA - Not Applicable <i>(for specifying SA fixtures)</i> <i>Source pg. 3</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 - Surface Mount <i>Mounting pg. 4</i>	U - Universal <i>(120 thru 277V)</i> 1 - 120V 2 - 277V 3 - 347V NA - Not Applicable <i>(for specifying SA fixtures)</i> <i>Voltage pg. 4</i>
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DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH
FSD - Factory Select Driver <i>(1%, 0-10v)</i> PL2 - Advance Xitanium <i>(1%, 0-10v)</i> EE1 - eldoLED ECoDrive <i>(1%, 0-10v)</i> ES1 - eldoLED SOLOdrive <i>(0.1%, 0-10v)</i> LH1 - Lutron Hi-Lume <i>(1%, EcoSystem)</i> OL2 - eldoLED Optotronic <i>(1%, 0-10v)</i> OL4 - eldoLED Optotronic 347v <i>(1%, 0-10v)</i> NA - Not Applicable <i>(for specifying SA fixtures)</i> <i>Driver pg. 4</i>	1 - Single Circuit E - Emergency <i>(entire fixture)</i> N - Night Light <i>(entire fixture)</i> NA - Not Applicable <i>(for specifying SA fixtures)</i> <i>Circuiting pg. 5</i>	0 - None 1PRL - Bodine 7W Remote FSG - Factory Select ALCR GI - Iota ETS DR GB - Bodine GTD NA - Not Applicable <i>(for specifying SA fixtures)</i> <i>Battery and Emergency pg. 5</i>	W - White S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color <i>Finish pg. 5</i>
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FIXTURE OPTIONS	CONTROLS ⁴		
AM - Antimicrobial Paint GMF - Slow Blow Fusing DSP - Customer Supplied Battery/Driver/Sensor NA - Not Applicable <i>(for specifying SA fixtures)</i> <i>Fixture Options pg. 5</i>	DLMFC - Wattstopper DLM <i>(wired)</i> ENLI - Enlited <i>(wireless)</i> ENLC - Enlited <i>(wireless)</i> NA - Not Applicable <i>(for specifying SA fixtures)</i> <i>Controls pg. 5</i>		

¹When specifying Sound Absorption as the Direct Shielding Option, use NA for the corresponding SOURCE. When specifying a fixture with only Sound Absorption (no lit components), use NA for the following sections of the part number: SOURCE, VOLTAGE, DRIVER, CIRCUITING, BATTERY & EMERGENCY, or CONTROLS. ²When specifying SOURCE use the ending _ are for specifying output, example **HO** - High Output. ³Example: 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". 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 5 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 or ASF	AL	AR or ASR
Flush Satine Lens or Acoustic Solution	Drop Satine Lens	Regress Satine Lens or Acoustic Solution

Acoustic Solutions

- 12mm PET Polyester Fiber acoustic panel
- Recyclable and contains up-to 90% post-consumer content
- Colors below are for representation purposes, color may vary from photograph, contact factory for sample
- Specify the color of the Acoustic panel with the numeric code below in the Acoustic Finish portion of the part number. For example, specify **A08** for Nickel

A01 - Charcoal	A02 - Black	A03 - Azure	A04 - Ruby	A05 - Commander	A06 - Coffee Bean
A07 - Almond	A08 - Nickel	A09 - Stone	A10 - Slate	A11 - Pear	A12 - Teal
A13 - Warm White	A14 - Nighttime Blue	A15 - Tiger	A16 - Cool Grey	A17 - Grey Granite	A18 - Dune
A19 - Bone	A20 - Bumblebee	A21 - Gingerbread	A22 - Raven	A23 - Oregano	A24 - Mushroom
PCC - Custom Color					
Please note there is a minimum order quantity for custom matching. Consult factory for order quantity, price and lead-time.					



Source: White LED

- 90 CRI = R9≥50

Sound Absorption

NA Not applicable (for Sound Absorption fixtures)

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

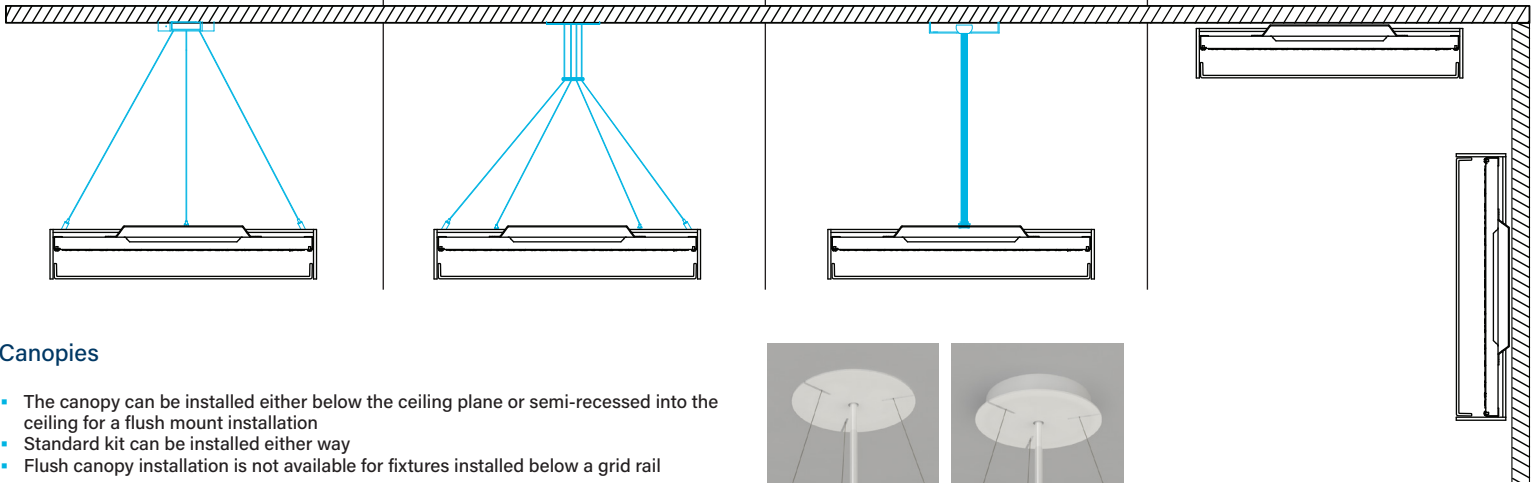
90 CRI

	Color	Shielding		
		A, AL, AR Satine Lens		
		Lumens	Watts	LPW
927LO	2700K	701	9.4	75
927MO	2700K	1179	15.0	79
927HO	2700K	1624	20.8	78
930LO	3000K	725	9.3	78
930MO	3000K	1226	14.8	83
930HO	3000K	1692	20.6	82
935LO	3500K	725	9.3	78
935MO	3500K	1226	14.8	83
935HO	3500K	1692	20.6	82
940LO	4000K	768	9.3	82
940MO	4000K	1300	15.0	87
940HO	4000K	1795	20.8	86

Mounting

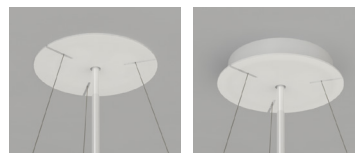
- Aircraft cables and pendants mount directly to a standard junction box or structure
- Canopies and pendants match fixture finish, power cords are white, grey, or black depending on fixture finish. See Finish section for additional details.
- Must specify overall pendant length of 12", 18" or 24"
- Must specify cable length, either 48" or 120" standard, field adjustable
- Tie off fixture to structure with retention wires
- Maximum fixture weight is 15 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
		PS__JB Pendant Swivel to J-Box	
AC3__ST 3 AC cables to fixture to Structure	AH4__ST 4 AC cables with hub to fixture to Structure	PP__ST Pendant Pipe to Structure	WA Surface Mount Wall
		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
NA	Not Applicable <i>(for Sound Absorption)</i>

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 (logarithmic)
ES3	eldoLED SOLOdrive .1%, DALI (logarithmic)

Lutron Drivers

LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
LH4	Lutron Hi-Lume 1%, 2-wire, Lutron-LTEA2W, 120v only

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
NA	Not Applicable <i>(for Sound Absorption)</i>

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 on download pages at pinnacle-ltg.com

0	No Battery
1IRC	Iota 10w Remote
1PRS	Bodine 7w Remote, Self Testing
1PRD	Bodine 10w Remote, Dual Flex
FSG	Factory Select Automatic Load Control Relay (ALCR), UNV
GI	Emergency Transfer Switch (ETS) DR Emergency Control Device, UNV
GB	Bodine GTD, Generator Transfer Device, 120v or 277v

For Approximate Battery Lumen Output

- Multiply battery wattage X fixture LPW shown on Lumen Table
- 7 (watts) x 75.2 (LPW) = 526 battery lumen output

Battery & Emergency Ordering Examples

- Single circuit, 10w integral battery
- Emergency circuit only, 7w integral battery

Ordering Code: 1-1PRS

Ordering Code: E-1PRS

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>(grey 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
GMF	Internal Slow Blow Fuse
DSP	Customer Supplied Battery/Driver/Sensor
NA	Not Applicable <i>(for Sound Absorption)</i>

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; comissioning 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 drop/sensor per housing typical, contact factory for more information

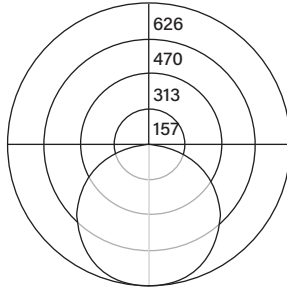
	Solution	Components	Network/Sensor	Connection	RQD Drivers	Limitation
DLMFC	Legrand Wattstopper DLM	LMFC-011	Digital Lighting Management (DLM)	Wired, two RJ45 ports	OL2, OL4	None
ENLI	Enlighted IOT	CU-4E	Enlighted, Remote	Enlighted Cable	Any 0-10v	Not available with 347 volt
ENLC	Enlighted Connected Lighting	CU-4E	Enlighted, Remote	Enlighted Cable	Any 0-10v	Not available with 347 volt
NA	Not Applicable (for Sound Absorption)					



Photometrics

Satine Lens

Test # Scaled from ITL92439
Catalog # F14D-A-940HO
Lumens 1795 lm
Watts 20.8 W
Efficacy 86 LPW



Candela Distribution

Vert Angle	Horizontal Angle
0	0
0	624
5	626
10	619
15	604
20	584
25	559
30	529
35	496
40	459
45	418
50	374
55	326
60	277
65	225
70	172
75	119
80	71
85	29
90	0

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6392	6392	6392
55	6151	6151	6151
65	5757	5757	5757
75	4991	4991	4991
85	3649	3649	3649

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 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.

Acoustic Solutions: Acoustic Solutions panels may be specified in place of lit fixture components to aid in Acoustic Control within a space. Acoustic Solutions material is a 9mm PET Polyester Fiber acoustic panel, containing up to 90% post-consumer content, made by others. Acoustic testing was completed by Riverbank Acoustic. For specific reports, contact Pinnacle directly.

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. Maximum fixture weight is 15 lbs.

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. L70 = 146,500 hours and L90 = 45,000 hours. MacAdam 3-Step Ellipses. Not all products are Lighting Facts listed. For all available IES files, please visit our website at pinnacle-ltg.com.

CRI, CCT & Output: Three lumen packages available. Low (LO), Mid (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), 347 volt (3) options available. Must specify OL4 in Driver section when 347 volt (3) is selected. Some FINA configurations will not accommodate all voltage options; consult with factory.

Driver: Standard Driver Option is Advance 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 on download pages at pinnacle-ltg.com. Some FINA 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. Enlighted Smart Sensor provides multi-functionality including daylight harvesting and PIR occupancy; for IOT platform using 0-10v LED drivers. Enlighted Smart Sensor provides multi-functionality including daylight harvesting and PIR occupancy; for Connected platform using 0-10v LED drivers.

Labels: ETL Listed conforming to UL1598 in US and CSA 250 in Canada. LO, MO, and HO lumen packages are IC Rated, approved for dry/damp location unless otherwise noted.

Fixture Weight: 15 lbs maximum

Buy American Act compliant

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