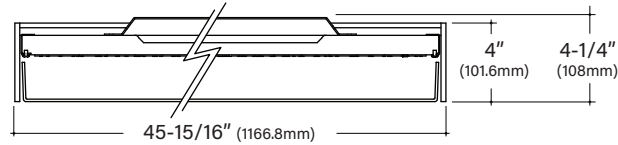




# FINA F48DI

48" Direct / Indirect 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
- IC Rated, UL and cUL Listed, approved for dry/damp location
- Room-side maintenance for LED system



Example Part #: F48DI-A-930-930-AC348JB-U-FSD-1-0-W

**F48DI** - **SHIELDING** - **DIRECT SOURCE** - **INDIRECT SOURCE** - **MOUNTING** - **VOLTAGE** - **DRIVER** - **CIRCUITING** - **BATTERY & EMERGENCY** - **FINISH** - **FIXTURE OPTIONS**

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SHIELDING	DIRECT SOURCE <sup>1</sup>	INDIRECT SOURCE <sup>1</sup>	MOUNTING <sup>2</sup>
<b>A</b> - Flush Satine Lens <b>AL</b> - Drop Satine Lens <b>AR</b> - Regress Satine Lens <i>Shielding pg. 2</i>	<b>927</b> __ - 2700K <b>930</b> __ - 3000K <b>935</b> __ - 3500K <b>940</b> __ - 4000K <b>CL</b> _____ - Custom Lumens <b>CW</b> _____ - Custom Watts <i>Lumen Output pg. 2</i>	<b>927</b> __ - 2700K <b>930</b> __ - 3000K <b>935</b> __ - 3500K <b>940</b> __ - 4000K <b>CL</b> _____ - Custom Lumens <b>CW</b> _____ - Custom Watts <i>Lumen Output pg. 2</i>	<b>AC3</b> _____ - 3 AC to JB or ST <b>AH4</b> _____ - 4 AC w/hub to JB or ST <b>PP</b> _____ - Pendant Pipe to JB or ST <b>PS</b> _____ - Pendant Swivel to JB or ST <i>Mounting pg. 3</i>
VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY
<b>U</b> - Universal (120 thru 277V) <b>1</b> - 120V <b>2</b> - 277V <b>3</b> - 347V <i>Voltage pg. 3</i>	<b>FSD</b> - Factory Select Driver (1%, 0-10v) <b>PL2</b> - Advance Xitanium (1%, 0-10v) <b>OL2</b> - eldoLED Optotronic (1%, 0-10v) <b>OL4</b> - eldoLED Optotronic 347v (1%, 0-10v) <b>EE1</b> - eldoLED ECODErive (1%, 0-10v) <b>ES1</b> - eldoLED SOLOdrive (0.1%, 0-10v) <b>LH1</b> - Lutron Hi-lume (1%, EcoSystem) <b>PS1</b> - Advance Xitanium (50%/100%) <i>Driver pg. 3</i>	<b>1</b> - Single Circuit <b>2</b> - Dual Circuit <b>E</b> - Emergency ( <i>entire fixture</i> ) <b>N</b> - Night Light ( <i>entire fixture</i> ) <i>Circuiting pg. 4</i>	<b>0</b> - None <b>FSB</b> - Factory Select Battery <b>FSG</b> - Factory Select ALCR <b>GI</b> - Iota ETS DR <b>GB</b> - Bodine GTD <b>1ILL</b> - Iota 10W) <b>1P LL</b> - Bodine 10W <i>Battery &amp; Emergency pg. 4</i>
FINISH	FIXTURE OPTIONS <sup>3</sup>	CONTROLS <sup>4</sup>	
<b>W</b> - White <b>S</b> - Metallic Silver <b>BL</b> - Textured Black <b>BR</b> - Bronze <b>GR</b> - Graphite <b>CC</b> - Custom Color <i>Finish pg. 4</i>	<b>AM</b> - Antimicrobial Paint <b>DSP</b> - Customer Supplied Battery/Driver/ Sensor <b>GMF</b> - Slow Blow Fusing <b>BA</b> - Buy America(n) Act and/or Build America Buy America Compliant <i>Fixture Options pg. 4</i>	<b>DLMFC</b> - Wattstopper DLM ( <i>wired</i> ) <i>Controls pg. 4</i>	

<sup>1</sup>When specifying SOURCE use the ending \_\_ are for specifying output, example **HO** - High Output. <sup>2</sup>Example: 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". <sup>3</sup>Compliance is configuration dependent; consult factory for confirmation. <sup>4</sup>Controls 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.

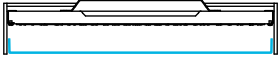


Specifications and dimensions subject to change without notice. Specification sheets that appear on pinnacle-ltg.com are the most recent version and supersede all other previously printed or electronic versions.



## Shielding

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

### Ordering Code

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

## Direct Source: White LED

- 90 CRI = R9≥50

### Custom Output- Lumens OR Wattage

<b>CL</b> _____	Specify CRI, CCT and desired lumens (i.e. CL8352000)	Specify lumens between standard offering listed below. Lumens are specified per color temp
<b>CW</b> _____	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
<b>927LO</b>	2700K	7681	84.8	91
<b>927MO</b>	2700K	12982	150.4	86
<b>927HO</b>	2700K	17883	221.4	81
<b>930LO</b>	3000K	7917	84.3	94
<b>930MO</b>	3000K	13367	149.2	90
<b>930HO</b>	3000K	18451	219.3	84
<b>935LO</b>	3500K	7917	84.3	94
<b>935MO</b>	3500K	13367	149.2	90
<b>935HO</b>	3500K	18451	219.3	84
<b>940LO</b>	4000K	8310	84.3	99
<b>940MO</b>	4000K	14051	149.5	94
<b>940HO</b>	4000K	19409	220.1	88

## Indirect Source: White LED

### Custom Output- Lumens OR Wattage

<b>CL</b> _____	Specify CRI, CCT and desired lumens (i.e. CL8352000)	Specify lumens between standard offering listed below. Lumens are specified per color temp
<b>CW</b> _____	Specify CRI, CCT and desired wattage (i.e. CW94020)	Specify watts between standard offering listed below

### 90 CRI

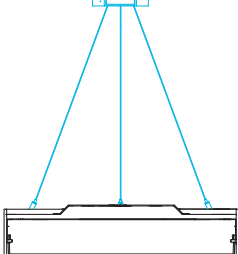
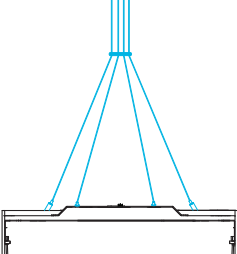
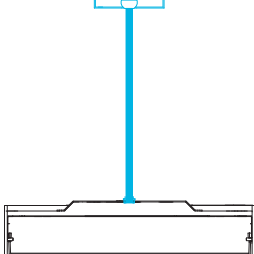
	Color	Shielding LO Clear Lens Overlay		
		Lumens	Watts	LPW
<b>927LO</b>	2700K	4835	40.8	119
<b>927MO</b>	2700K	7110	60.9	117
<b>927HO</b>	2700K	9231	84.7	109
<b>930LO</b>	3000K	5090	40.8	125
<b>930MO</b>	3000K	7486	60.9	123
<b>930HO</b>	3000K	9720	84.7	115
<b>935LO</b>	3500K	5090	40.8	125
<b>935MO</b>	3500K	7486	60.9	123
<b>935HO</b>	3500K	9720	84.7	115
<b>940LO</b>	4000K	5414	40.8	133
<b>940MO</b>	4000K	7962	60.9	131
<b>940HO</b>	4000K	10338	84.7	122



## Mounting

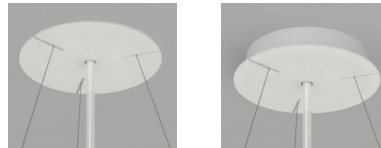
- Aircraft cables and pendants mount directly to a standard junction box or structure
- Canopies and pendants match fixture finish, power cords are white or black depending on fixture finish. See Finish section for additional details.
- Must specify overall pendant length of 12", 18" or 24"
- Must specify cable length, either 48" or 120" standard, field adjustable
- Maximum fixture weight is 70 lbs

<b>AC3_JB</b> 3 AC cables to fixture to J-Box	<b>AH4_JB</b> 4 AC cables with hub to fixture to J-Box	<b>PP_JB</b> Pendant Pipe to J-Box
<b>AC3_ST</b> 3 AC cables to fixture to Structure	<b>AH4_ST</b> 4 AC cables with hub to fixture to Structure	<b>PS_JB</b> Pendant Swivel to J-Box
		<b>PP_ST</b> Pendant Pipe to Structure
		<b>PS_ST</b> 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

<b>U</b>	Universal
<b>1</b>	120 volt
<b>2</b>	277 volt
<b>3</b>	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](http://pinnacle-ltg.com)
- Some FINA configurations will not accommodate all driver options; consult with factory

0-10V Drivers	
<b>FSD</b>	Factory Select Driver 1%, 0-10v
<b>PL2</b>	Advance Xitanium 1%, 0-10v
<b>PL4</b>	Advance Xitanium 347v 1%, 0-10v, requires 347v
<b>OL2</b>	eldoLED Optotronic, 1%, 0-10v
<b>OL4</b>	eldoLED Optotronic 347v, 1% 0-10v, requires 347v option
<b>EE1</b>	eldoLED ECOdrive 1%, 0-10v Logarithmic
<b>EE2</b>	eldoLED ECOdrive 1%, 0-10v Linear
<b>ES1</b>	eldoLED SOLOdrive 0-10v, 0.1% Logarithmic
<b>ES2</b>	eldoLED SOLOdrive 0-10v, 0% Linear
DALI Drivers	
<b>EE3</b>	eldoLED ECOdrive 1%, DALI 2, Logarithmic, DT6
<b>ES3</b>	eldoLED SOLOdrive 0.1%, DALI 2, Logarithmic, DT6
Lutron Drivers	
<b>LH1</b>	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
Alternate Drivers	
<b>PS1</b>	Advance Xitanium Step Dimming 50%/100%

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## Circuiting

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

<b>1</b>	Single Circuit
<b>2</b>	Dual Circuit
<b>E</b>	Emergency Circuit only
<b>N</b>	Night Light Circuit only

## Battery & Emergency

- Select battery or emergency options if required
- Battery duration is 90 minutes
- Test button is integral to fixture

- For more Battery options, see Pinnacle Resource Guide on download pages at pinnacle-ltg.com

<b>0</b>	No Battery
<b>FSB</b>	Factory Select Battery 10w, Integral Lithium
<b>FSBST</b>	Factory Select Battery 10w, Integral Lithium Self Testing
<b>FSG</b>	Factory Select ALCR Emergency Control Device, UNV
<b>GI</b>	Iota ETS-DR, Emergency Control Device, UNV
<b>GB</b>	Bodine GTD, Emergency Control Device, 120v or 277v
<b>1ILL</b>	Iota 10w Integral Lithium, Self Testing
<b>1PLL</b>	Bodine 10w 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: 1-1ILL
- Emergency circuit only, 10w integral battery      Ordering Code: E-1ILL

## Finish

- Powder-coat white painted finish on exposed trim

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

## Fixture Options

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

<b>AM</b>	Antimicrobial Paint
<b>DSP</b>	Customer Supplied Battery/Driver/Sensor
<b>GMF</b>	Internal Slow Blow Fuse

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

<b>BA</b>	Buy America(n) Act and/or Build America Buy America Compliant
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## 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
<b>DLMFC</b>	Legrand Wattstopper DLM	LMFC-011	Digital Lighting Management (DLM)	Wired, two RJ45 ports	OL2, OL4	None



## 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 integral 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:** 70 lbs maximum

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