PINNACLE
ARCHITECTURAL LIGHTING®

FINA F24DI
24" Direct / Indirect Suspended Architectural Round

4" (101.6mm)   4-1/4" (108mm)

21-15/16" (557.2mm)
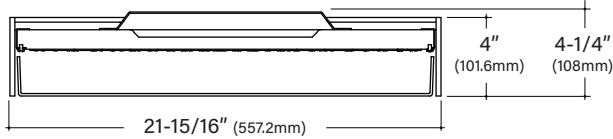
Key Features

- 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
- Maximum fixture weight is 25 lbs
- Room-side maintenance for LED system
- Buy American Act compliant

Example Part #: F24DI-A-930-930-AC348JB-U-FSD-1-0-W

F24DI - [SHIELDING] - [DIRECT SOURCE] - [INDIRECT SOURCE] - [MOUNTING] [VOLTAGE] [DRIVER] - [CIRCUITING] [BATTERY & EMERGENCY] [FINISH] [FIXTURE OPTIONS] - [CONTROLS]

SHIELDING	DIRECT SOURCE[1]	INDIRECT SOURCE[1]	MOUNTING[2]
A - Flush Satine Lens	**927_ _** - 2700K	**927_ _** - 2700K	**AC3_____** - 3 AC to JB or ST
AL - Drop Satine Lens	**930_ _** - 3000K	**930_ _** - 3000K	**AH4_____** - 4 AC w/hub to JB or ST
AR - Regress Satine Lens	**935_ _** - 3500K	**935_ _** - 3500K	**PP____** - Pendant Pipe to JB or ST
Shielding pg. 2	**940_ _** - 4000K	**940_ _** - 4000K	**PS____** - Pendant Swivel to JB or ST
	CL_____ - Custom Lumens	**CL_____** - Custom Lumens	*Mounting pg. 3*
	CW_____ - Custom Watts	**CW_____** - Custom Watts	
	Direct Source pg. 2	*Indirect Source pg. 2*	

VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY
U - Universal *(120 thru 277V)*	**FSD** - Factory Select Driver *(1%, 0-10v)*	**1** - Single Circuit	**0** - None
1 - 120V	**PL2** - Advance Xitanium *(1%, 0-10v)*	**2** - Dual Circuit	**FSG** - Factory Select ALCR
2 - 277V	**OL2** - eldoLED Optotronic *(1%, 0-10v)*	**E** - Emergency *(entire fixture)*	**GI** - Iota ETS DR
3 - 347V	**OL4** - eldoLED Optotronic 347v *(1%, 0-10v)*	**N** - Night Light *(entire fixture)*	**GB** - Bodine GTD
Voltage pg. 3	**EE1** - eldoLED ECOdrive *(1%, 0-10v)*	*Circuiting pg. 4*	**1PB** - Bodine 10W
	ES1 - eldoLED SOLOdrive *(0.1%, 0-10v)*		*Battery & Emergency pg. 4*
	LH1 - Lutron Hi-lume *(1%, EcoSystem)*		
	Driver pg. 4		

FINISH	FIXTURE OPTIONS	CONTROLS[3]
W - White	**AM** - Antimicrobial Paint	**DLMFC** - Wattstopper DLM *(wired)*
S - Metallic Silver	**DSP** - Customer Supplied Battery/Driver/Sensor	**ENLI** - Enlighted IOT *(remote)*
BL - Textured Black	**GMF** - Slow Blow Fusing	**ENLC** - Enlighted Connected Lighting *(remote)*
BR - Bronze	*Fixture Options pg. 5*	*Controls pg. 5*
GR - Graphite		
CC - Custom Color		
Finish pg. 4		

[1]When specifying SOURCE use the ending _ _ are for specifying output, example **HO** - High Output. [2]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". [3]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.
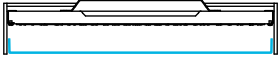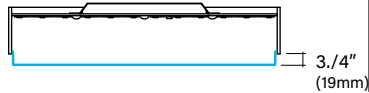
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Shielding

- 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
	3./4" (19mm)	3/4" (19mm)

Direct 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	1497	17.2	87
927MO	2700K	2526	29.2	86
927HO	2700K	3472	41.5	84
930LO	3000K	1508	17.1	88
930MO	3000K	2548	28.9	88
930HO	3000K	3504	41.0	86
935LO	3500K	1508	17.1	88
935MO	3500K	2548	28.9	88
935HO	3500K	3504	41.0	86
940LO	4000K	1551	17.2	90
940MO	4000K	2622	29.1	90
940HO	4000K	3605	41.3	87

Indirect Source: White LED

- 90 CRI = R9≥61

Custom Output- Lumens OR Wattage

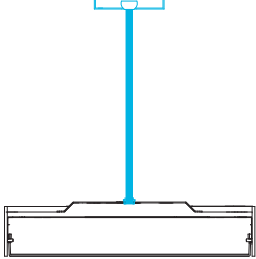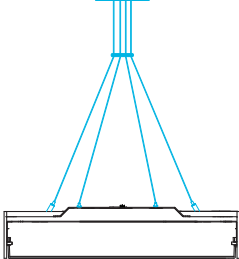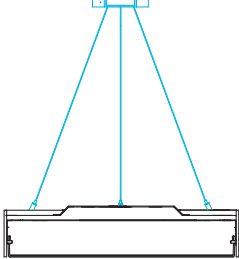| CL_ _ _ _ _	Specify CRI, CCT and desired lumens (i.e. CL8352000)	*Specify lumens between standard offering listed below. Lumens are specified per color temp*
CW_ _ _ _ _	Specify CRI, CCT and desired wattage (i.e. CW94020)	*Specify watts between standard offering listed below*

90 CRI

	Color	Shielding LO Clear Lens Overlay		
		Lumens	*Watts*	*LPW*
927LO	2700K	1637	14.4	114
927MO	2700K	2407	20.6	117
927HO	2700K	3125	27.6	113
930LO	3000K	1723	14.4	120
930MO	3000K	2534	20.6	123
930HO	3000K	3290	27.6	119
935LO	3500K	1723	14.4	120
935MO	3500K	2534	20.6	123
935HO	3500K	3290	27.6	119
940LO	4000K	1833	14.4	127
940MO	4000K	2695	20.6	131
940HO	4000K	3500	27.6	127

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pg. 2

Mounting

- Aircraft cables and pendants mount directly to a standard junction box or structure
- 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 25 lbs

AC3___JB	AH4___JB	PP__JB
3 AC cables to fixture to J-Box	4 AC cables with hub to fixture to J-Box	Pendant Pipe to J-Box
		PS__JB
		Pendant Swivel to J-Box
AC3___ST	**AH4___ST**	**PP__ST**
3 AC cables to fixture to Structure	4 AC cables with hub to fixture to Structure	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
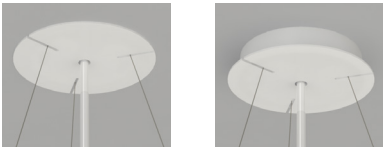
Voltage

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

U	Universal
1	120 volt
2	277 volt
3	347 volt

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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

Circuiting

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

1	Single Circuit
2	Dual 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 on download pages at pinnacle-ltg.com

0	No Battery
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
1IRC	Iota 10w Remote
1PRS	Bodine 7w Remote, Self Testing
1PB	Bodine 10w Integral
1PRD	Bodine 10w Remote, Dual Flex

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

- Powder-coat white painted finish on exposed trim

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

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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

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 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

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. Maximum fixture weight is 25 lbs.

LED: 25ºC 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 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 utlizes 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: UL and cUL 1598 listed. LO, MO, and HO lumen packages are IC Rated, approved for dry/damp location unless otherwise noted.

Fixture Weight: 25 lbs maximum

Buy American Act compliant

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

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