PINNACLE
ARCHITECTURAL LIGHTING®

FINA F48DI
48" Direct / Indirect Suspended Architectural Round

4" (101.6mm)
4-1/4" (108mm)
45-15/16" (1166.8mm)
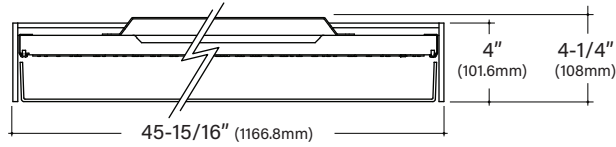
Key Features

- 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
- Maximum fixture weight is 70 lbs
- Room-side maintenance for LED system
- Buy American Act compliant

BUY AMERICAN ACT COMPLIANT · LED · 5 YEAR LED WARRANTY · INTERTEK ETL LISTED US · IC RATED · DESIGNED IN DENVER CO.

Example Part #: F48DI-A-830-830-AC348JB-U-PL2-1-0-W

F48DI

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

SHIELDING	DIRECT SOURCE[1]	INDIRECT SOURCE[1]	MOUNTING[2]
A - Flush Satine Lens	**_27_ _ -** 2700K	**_27_ _ -** 2700K	**AC3_ _ _ _ _ _ -** 3 AC to JB or ST
AL - Drop Satine Lens	**_30_ _ -** 3000K	**_30_ _ -** 3000K	**AH4_ _ _ _ _ -** 4 AC w/hub to JB or ST
AR - Regress Satine Lens	**_35_ _ -** 3500K	**_35_ _ -** 3500K	**PP_ _ _ _ -** Pendant Pipe to JB or ST
Shielding pg. 2	**_40_ _ -** 4000K	**_40_ _ -** 4000K	**PS_ _ _ _ -** Pendant Swivel to JB or ST
	CL_ _ _ _ _ _ - Custom Lumens	**CL_ _ _ _ _ _ -** Custom Lumens	*Mounting pg. 3*
	CW_ _ _ _ _ _ - Custom Watts	**CW_ _ _ _ _ _ -** Custom Watts	
	Lumen Output pg. 2	*Lumen Output pg. 3*	

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	**FSB -** Factory Select Battery
2 - 277V	**OL2 -** eldoLED Optotronic *(1%, 0-10v)*	**E -** Emergency *(entire fixture)*	**FSG -** Factory Select ALCR
3 - 347V	**OL4 -** eldoLED Optotronic 347v *(1%, 0-10v)*	**N -** Night Light *(entire fixture)*	**GI -** Iota ETS DR
Voltage pg. 4	**EE1 -** eldoLED ECOdrive *(1%, 0-10v)*	*Circuiting pg. 4*	**GB -** Bodine GTD
	ES1 - eldoLED SOLOdrive *(0.1%, 0-10v)*		**1IC -** Iota 10W *(CEC Listed)*
	LH1 - Lutron Hi-lume *(1%, EcoSystem)*		**1P -** Bodine 10W
	PS1 - Advance Xitanium *(50%/100%)*		*Battery & Emergency pg. 4*
	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. 5		

[1]When specifying SOURCE the first _ is for specifying either **8** - 80CRI, **9** - 90CRI. 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.
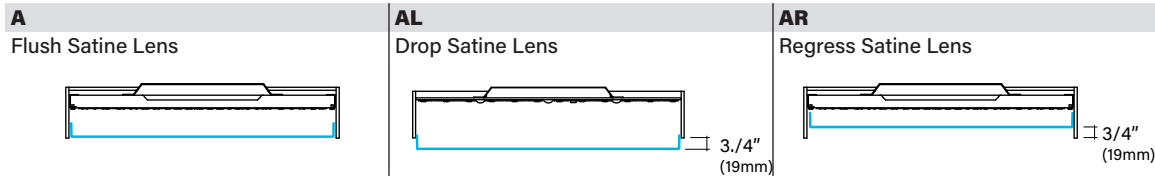
Specifications and dimensions subject to change without notice. Specification sheets that appear on pinnacle-ltg.com are the most recent version and supersede all other previously printed or electronic versions.

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

Direct Source: White LED

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory
- 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*

80 CRI

	Color	Shielding A, AL, AR Satine Lens		
		Lumens	*Watts*	*LPW*
830LO	3000K	9082	81.5	111
830MO	3000K	15653	142.6	110
830HO	3000K	21947	207.4	106
835LO	3500K	9638	82.3	117
835MO	3500K	16740	143.8	116
835HO	3500K	23315	208.7	112
840LO	4000K	9681	82.1	118
840MO	4000K	16723	143.4	117
840HO	4000K	23476	208.4	113

90 CRI

927LO	2700K	7681	84.8	91
927MO	2700K	12982	150.4	86
927HO	2700K	17883	221.4	81
930LO	3000K	7917	84.3	94
930MO	3000K	13367	149.2	90
930HO	3000K	18451	219.3	84
935LO	3500K	7917	84.3	94
935MO	3500K	13367	149.2	90
935HO	3500K	18451	219.3	84
940LO	4000K	8310	84.3	99
940MO	4000K	14051	149.5	94
940HO	4000K	19409	220.1	88

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pg. 2

Indirect Source: White LED

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory

- 80 CRI = R9≥19 and 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

80 CRI

	Color	Shielding		
		LO Clear Lens Overlay		
		Lumens	*Watts*	*LPW*
830LO	3000K	5837	40.8	143
830MO	3000K	8582	60.9	141
830HO	3000K	11216	84.7	132
835LO	3500K	6079	40.7	149
835MO	3500K	8954	60.8	147
835HO	3500K	11722	84.7	138
840LO	4000K	6245	40.7	153
840MO	4000K	9184	60.8	151
840HO	4000K	11925	84.7	141

90 CRI

|				
927LO	2700K	4835	40.8	119
927MO	2700K	7110	60.9	117
927HO	2700K	9231	84.7	109
930LO	3000K	5090	40.8	125
930MO	3000K	7486	60.9	123
930HO	3000K	9720	84.7	115
935LO	3500K	5090	40.8	125
935MO	3500K	7486	60.9	123
935HO	3500K	9720	84.7	115
940LO	4000K	5414	40.8	133
940MO	4000K	7962	60.9	131
940HO	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, 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
- Maximum fixture weight is 70 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
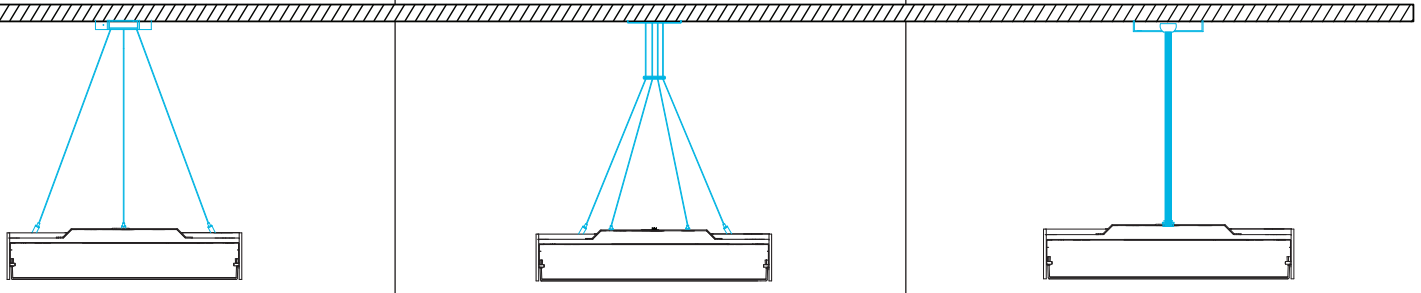
Canopies

- 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
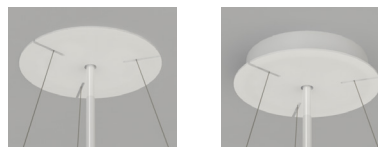
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Voltage

- 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
PL4	Advance Xitanium 347v 1%, 0-10v, requires 347v
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)
OD1	eldoLED Optotronic 1%, DEXAL
OD2	eldoLED Optotronic 1%, DALI 2 Channel
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
Alternate Drivers	
PS1	Signify Advance Xitanium Step Dimming 50%/100%

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 integral to fixture

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

0	No Battery
FSB	Factory Select Battery (10w option)
FSBST	Factory Select Battery (10w, Self Testing)
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
1IC	Iota 10w Integral
1ILL	Iota 10w Integral Lithium, Self Testing
1IRH	Iota 20w Remote
1P	Bodine 10w Integral
1PRH	Bodine 20w Remote
1PLL	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: 1-1PB
- 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 *(grey 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)*

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 70 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. 80 CRI is available for 3000K, 3500K, and 4000K. 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% = PL2. 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 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 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: 70 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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