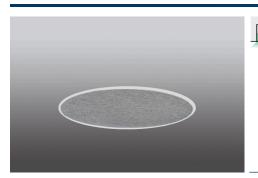
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Project Name

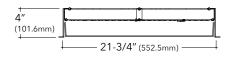
Date _

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FINA F24D

24" Direct Recessed Architectural Round with Sound Absorption

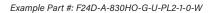


Key Features

Extruded aluminum housing is rolled and welded for seamless finish with 3/4" 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 25 lbs
- Room-side maintenance for LED system
- Buy American Act compliant
- Apparent Noise Reduction Coefficient (NRC) is up to 1.9





A brand of 🖾 legrand

F24D		BATTERY & FINISH FIXTURE CONTR EMERGENCY OPTIONS	OLS	
			-	
SHIELDING ¹	SOURCE ²	MOUNTING	VOLTAGE	
A - Flush Satine Lens 27 2700K AL - Drop Satine Lens 30 3000K AR - Regress Satine Lens 35 3500K ASF Acoustic Solution Flush 40 4000K (use P to specify color) CL Custom Lumens ASR Acoustic Solution Regress CW Custom Watts (use P to specify color) NA - Not Applicable (for specifying SA fixtures) source pg. 3		G - Grid Ceiling FL - Flanged NF - Non-Flanged SF - Spackle Flange <i>Mounting pg.</i> 3	U - Universal (120 thru 277V) 1 - 120V 2 - 277V 3 - 347V NA - Not Applicable (for specifying SA fixtures) Voltage pg. 4	
DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH	
PL2 - Advance Xitanium (1%, 0-10v) EE1 - eldoLED ECOdrive (1%, 0-10v) ES1 - eldoLED SOLOdrive (0%, 0-10v) LH1 - Lutron Hi-lume (1%, <i>EcoSystem</i>) OL2 - Osram Optotronic (1%, 0-10v) OL4 - Osram Optotronic 347v (1%, 0-10v) ND - Non-Dimming NA - Not Applicable (for specifying SA fixtures) Driver pg. 4		0 - None 1G - Bodine GTD 1PB - Bodine 10W NA - Not Applicable (for specifying SA fixtures) Battery and Emergency pg. 4	W - White Finish pg. 4	
FIXTURE OPTIONS CONTROLS ³				
CP - Chicago Plenum AM - Antimicrobial Paint FW6 - 6' Flex Whip GMF - Slow Blow Fusing NA - Not Applicable (for specifying SA fixtures) Fixture Options pg. 4	DLMFC - Wattstopper DLM (wired) ENLI - Enlighted IOT (remote) ENLC - Enlighted Connected Lighting (remote) NA - Not Applicable (for specifying SA fixtures) Controls pg. 5			

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. When specifying SOURCE the first _ is for specifying either **8** - 80CRI, **9** - 90CRI. The ending __ are for specifying output, example **HO** - High Output. See output charts for more information. 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.

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Specify the color of the Sound Absorption with the numeric code below in the Shielding

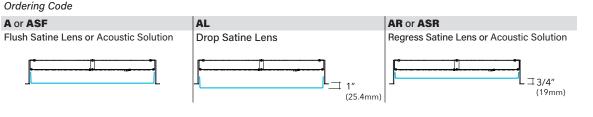
portion of the part number. For example, SAF04 for Direct Sound Absorption, Flush



Shielding

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

Mounting, White 04



Acoustic Solutions

- 9mm PET Polyester Fiber acoustic panel
- Recyclable and contains up-to 90% post-consumer content Use SAFP_ or SARP_ for direct panels
- Colors below are for representation purposes, color may vary from photograph, contact factory for sample.

Standard Colors

P04 - White	P12 - Medium Grey	P27 - Black	P28 - Dark Grey	P33 - Royal Blue

Secondary Colors - May increase lead-time for order. Consult Factory.

P02 - Yellow	P03 - Orange	P05 - Light Tan	P06 - Carmel	P10 - Silver	P11 - Light Grey	P13 - Granny Smith
			一 书 法 制 法	and the second		
P14 - Lime	P16 - Dark Blue	P17 - Red	P18 - Dark Red	P19 - Purple	P22 - Sky Blue	P23 - Deep Blue
			- BARTA			
	C. R. C. State	a she area				
P25 - Grey	P26 - Heathered Grey	P34 - Teal	P36 - Dark Silver	P37 - Blue	PCC - Custom Color	
					Please note there is a minimum order quantit	iy
			Cle tail		for custom matching. Consult factory for ord quantity, price and lead	
			Contraction of the	No. State	time.	

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

Sound Absorption NA Not applicable (for Sound Absorption fixtures) Custom Output- Lumens OR Wattage Specify CRI, CCT and desired lumens (i.e. CL8352000) CL Specify lumens between standard offering listed below. Lumens are specified per color temp ____ Specify CRI, CCT and desired wattage (i.e. CW94020) CW_ Specify watts between standard offering listed below

80 CRI

	Color	Shielding		
		A, AL, AR		
		Satine Lens	5	
		Lumens	Watts	LPW
830LO	3000K	1738	16.5	105
830MO	3000K	2984	27.7	108
830HO	3000K	4174	38.9	107
835LO	3500K	1849	16.7	111
835MO	3500K	3178	28.0	114
835HO	3500K	4448	39.2	114
840LO	4000K	1866	16.7	112
840MO	4000K	3201	27.9	115
840HO	4000K	4476	39.1	114

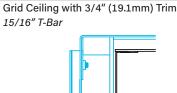
90 CRI

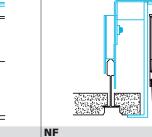
927LO	2700K	1497	17.2	87
927MO	2700K	2526	29.2	86
927HO	2700K	3472	41.5	84
930LO	3000K	1508	17.1	88
930MO	3000K	2548	28.9	88
930HO	3000K	3504	41.0	86
935LO	3500K	1508	17.1	88
935MO	3500K	2548	28.9	88
935HO	3500K	3504	41.0	86
940LO	4000K	1551	17.2	90
940MO	4000K	2622	29.1	90
940HO	4000K	3605	41.3	87

Mounting

Designed to install into acoustical grid and inaccessible ceilings . Tie off fixture to structure with retention wires

G

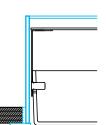


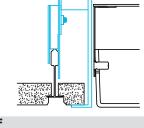


9/16″ T-Bar

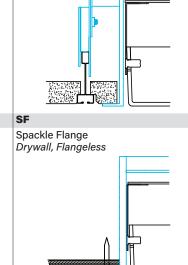
FL Standard 3/4" (19.1mm) Flange

Exposed Flange





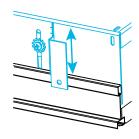
Non-Flange with 1/4" (6.4mm) Trim Metal Pan or Millwork

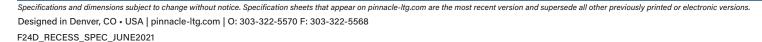


Maximum fixture weight is 25 lbs

Screw Slot T-Bar

Recessed box allows for 1/2" of adjustability to accommodate a variety of grid ceilings







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 (for Sound Absorption)

Driver

- Standard Driver Option = PL2
- 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

PL2	Philips Advance Xitanium 1%, 0-10v
EE1	eldoLED ECOdrive 1%, 0-10v Logarithmic
ES1	eldoLED SOLOdrive 0%, 0-10v Logarithmic
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
OL2	Osram Optotronic 1%, 0-10v, nominal 1% dimming range
OL4	Osram Optotronic 347v 1%, 0-10v, requires 347v option
ND	Non-Dimming
NA	Not Applicable (for Sound Absorption)

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

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
Ν	Night Light Circuit only
NA	Not Applicable (for Sound Absorption)

Battery & Emergency

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

0	No Battery
1G	Bodine GTD, Generator Transfer Device
1PB	Bodine 10w Integral
NA	Not Applicable (for Sound Absorption)

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

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

Finish

Powder-coat white painted finish on exposed trim

W White

Fixture Options

Additional options to enhance the fixture and finish of the product

СР	Chicago Plenum
AM	Antimicrobial Paint
FW6	Flex Whip 6'
GMF	Internal Slow Blow Fuse
NA	Not Applicable (for Sound Absorption)

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pg. 4



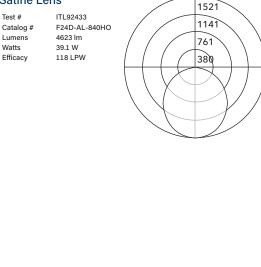
Controls

- 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
- 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
- Pinnacle Lighting fixtures ship technology ready; comissioning by others 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	Any 0-10v	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



Candela Distribution

Vert Horizontal Angle Angle

1520

1521

1505

1472

1426

1367

1298

1219

1131

1035

931

819

701

579

453

328

211

115

45

0

5

10

15

20

25

30

35

40

45

50

55

60

65

70

75

80

85

90

95 38

135

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6260	6260	6260
55	5995	5995	5995
65	5581	5581	5581
75	4844	4844	4844
85	3882	3882	3882

3 1 140 0 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 both sides and 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: Designed to install into acoustical grid and inaccessible ceilings. Recessed, aircraft cable, pendant and surface mount available. For recessed, specify G for acoustical grid ceiling. Specify FL, NF, or SF for inaccessible ceilings. Tie off fixture to structure with retention wires. Maximum fixture weight is 25 lbs.

LED: 25°C test environment. Lumen output/wattage has a margin of +/- 5%. All 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-Itg. 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. 80 CRI = R9≥19 and 90 CRI = R9≥61.

Voltage: Universal (U), 120 volt (1), 277 volt (2), 347 volt (3) options available. 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 remote to fixture. For more Battery options, see Pinnacle Resource Guide on download pages at pinnacle-ltg.com.

Finish: Standard powder-coat textured white 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: ETL Listed conforming to UL1598 in US and CSA 250 in Canada. Standard and High output lumen packages are IC Rated for recessed fixtures and are 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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