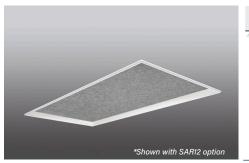
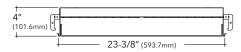
_ Type _







2x4 Direct Recessed Architectural Square with Sound Absorption



MOUNTING

G - Grid Ceiling

FL - Flanged

Key Features

SHIELDING1

A - Flush Satine Lens

AL - Drop Satine Lens

- Formed 20 gauge cold rolled steel housing Highly reflective die-formed white painted reflector
- Fabricated, captive lens with 3 lens positions
- Sound Absorption available in specific configurations
- LiFT offered with a 5-year limited warranty. Covers LED, driver and fixture

SOURCE²

27_ - 2700K

**30** _ **-** 3000K

- ETL Listed conforming to UL1598 in US and CSA 250 in Canada
- Maximum fixture weight is 45 lbs
- Room-Side Maintenance for LED system
- Buy American Act compliant
- Apparent Noise Reduction Coefficient (NRC) is up to 1.65











VOLTAGE

1 - 120V

U - Universal (120 thru 277V)





Example Part #: LF24D-A-830HO-G-U-PL2-1-0-W

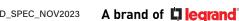
LF24D₋ SHIELDING CRI, CCT & MOUNTING VOLTAGE DRIVER CIRCUITING BATTERY & FINISH FIXTURE CONTROLS OUTPUT **EMERGENCY OPTIONS**

AR - Regress Satine Lens ASF Acoustic Solution Flush (use A to specify color) ASR Acoustic Solution Regress (use A to specify color) Shielding pg. 2	_35 3500K _40 4000K CL Custom Lumens CW Custom Watts NA - Not Applicable (for specifying SA fixtures) Source pg. 3	SF - Spackle Flange Mounting pg. 4	2 - 277V 3 - 347V NA - Not Applicable (for specifying SA fixtures) Voltage pg. 4	
	-			
DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH	
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) EE1 - eldoLED ECOdrive (1%, 0-10v) ES1 - eldoLED SOLOdrive (0.1%, 0-10v) LH1 - Lutron Hi-lume (1%, EcoSystem) PS1 - Advance Xitanium (50%/100%) NA - Not Applicable (for specifying SA fixtures) Driver pg. 5	1 - Single Circuit E - Emergency (entire fixture) N - Night Light (entire fixture) NA - Not Applicable (for specifying SA fixtures) Circuiting pg. 5	O - None FSG - Factory Select ALCR GI - lota ETS DR GB - Bodine GTD 1IC - lota 10W, Integral (CEC Listed) 1P - Bodine 10W Integral NA - Not Applicable (for specifying SA fixtures) Battery and Emergency pg. 5	W - White S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color Finish pg. 5	

FIXTURE OPTIONS CONTROLS³ **DLMFC -** Wattstopper DLM (wired) CP - Chicago Plenum AM - Antimicrobial Paint ENLI - Enlighted IOT (remote) **ENLC** - Enlighted Connected Lighting (remote) FW6 - 6' Flex Whip NA - Not Applicable (for specifying SA fixtures) GMF - Slow Blow Fusing DSP - Customer Supplied Battery/Driver/ Controls pg. 6 Sensor NA - Not Applicable (for specifying SA fixtures) Fixture Options pg. 6

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, The ending _ are for specifying output, example HO - High Output. See output charts for more information. ³Controls 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





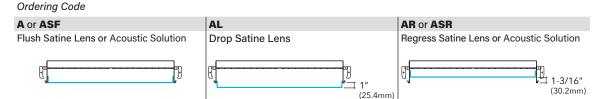


Shielding

Fabricated, captive lens with 3 lens positions

i abilicated, captive lens with 5 lens position

Highly reflective white reflectors maintain uniform lens brightness



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



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.

Designed in Denver, CO • USA | pinnacle-ltg.com | O: 303-322-5570 F: 303-322-5568

LF24D_RECESSED_SPEC_NOV2023







Source: White LED

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

• 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

Specify CRI, CCT and desired wattage (i.e. CW94020)

Specify watts between standard offering listed below

Specify watts between standard offering listed below

80 CRI

	Color	Lumens	Shielding	
			A	
			Satine Lens	
			Watts	LPW
830LO	3000K	4658	37.3	125
830MO	3000K	7499	63.1	119
830HO	3000K	10261	90.6	113
835LO	3500K	4824	37.4	129
835MO	3500K	7862	63.1	125
835HO	3500K	10899	90.6	120
840LO	4000K	5055	37.5	135
840MO	4000K	8150	63.5	128
840HO	4000K	11224	91.5	123

90 CRI

927LO	2700K	3783	37.5	101
927MO	2700K	6099	63.4	96
927HO	2700K	8370	90.9	92
930LO	3000K	4033	37.5	108
930MO	3000K	6512	63.4	103
930HO	3000K	8954	90.9	98
935LO	3500K	4033	37.5	108
935MO	3500K	6512	63.4	103
935HO	3500K	8954	90.9	98
940LO	4000K	4247	37.3	114
940MO	4000K	6839	63.3	108
940HO	4000K	9378	91.2	103

LF24D_RECESSED_SPEC_NOV2023 pg. 3



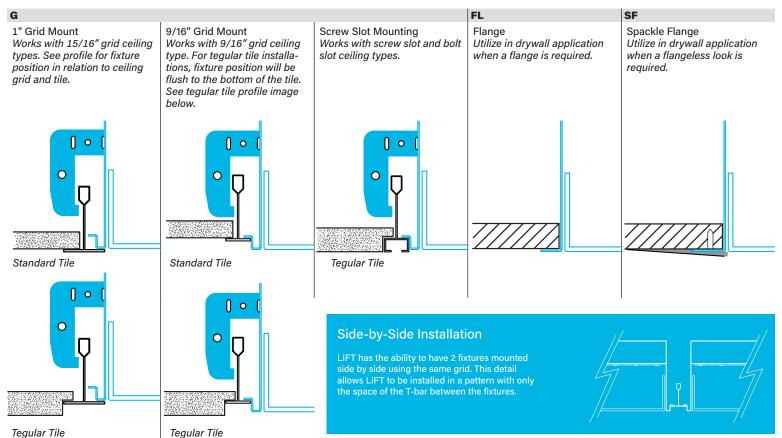


$^{+}$

Mounting

- Designed to install into acoustical grid and inaccessible ceilings
- Grid retention clips integral to housing and require mechanical attachment
- Tie off fixture to structure with retention wires

- Maximum fixture weight is 45 lbs
- Refer to installation instructions during installation at the job site
- Approved for dry/damp location unless otherwise noted



Voltage

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

U	Universal
1	120 volt
2	277 volt
3	347 volt
NΔ	Not Applicable (for Sound Absorption)

LF24D_RECESSED_SPEC_NOV2023 pg. 4





$\frac{1}{1}$

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 LIFT 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	S Commence of the commence of			
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1			
LH4	Lutron Hi-Lume 1%, 2-wire, Lutron-LTEA2W, 120v only			
Alternate Driv	ers			
PS1	Signify Advance Xitanium Step Dimming 50%/100%			
OD1	eldoLED Optotronic 1%, DEXAL			
	-			

Circuiting

- Select fixture circuiting from options below
- Some LIFT 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 (for Sound Absorption)

Battery & Emergency

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

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
1IC	lota 10w Integral
1ILL	lota 10w Integral Lithium, Self Testing
1IRH	lota 20w Remote
1P	Bodine 10w Integral
1PRH	Bodine 20w Remote
1PLL	Bodine 10w Integral Lithium, Self Testing

 For more Battery options, see Pinnacle Resource Guide on download pages at pinnalce-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
- Emergency circuit only, 10w integral battery

Ordering Code: 1-1P
Ordering Code: E-1P

Finish

- Powder-coat white painted finish on exposed trim
- Selecting a fixture finish other than white may impact lumen output; consult factory for more information

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)

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.

Designed in Denver, CO • USA | pinnacle-ltg.com | O: 303-322-5570 F: 303-322-5568

LF24D_RECESSED_SPEC_NOV2023







Fixture Options

Additional options to enhance the fixture and finish of the product

CP	Chicago Plenum
AM	Antimicrobial Paint
FW6	Flex Whip 6'
GMF	Internal Slow Blow Fuse
DSP	Customer Supplied Battery/Driver/Sensor
NA	Not Applicable (for Sound Absorption)

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, Daylight/PIR Occupancy	Enlighted Cable	Any 0-10v	Not available with 347 volt
ENLC	Enlighted Connected Lighting	CU-4E	Enlighted, Daylight/PIR Occupancy	Enlighted Cable	Any 0-10v	Not available with 347 volt
NA	Not Applicable (for Sound Absorption)					

Approvals & Certifications

Construction: Formed 20 gauge cold rolled steel housing. Highly reflective die-formed white painted reflector. Wiring access available on top of housing. Lens is removable for room-side maintenance of lens, driver and LED boards.

Shielding: Single piece fabricated diffuse acrylic lens creating a fully luminous fixture.

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 Acoustical Labritories. For specific reports, contact Pinnacle directly.

Mounting: Designed to install into acoustical grid and inaccessible ceilings. Specify G for acoustical grid ceiling. Specify FL or SF for inaccessible ceilings. Grid retention clips integral to housing and require mechanical attachment. Tie off fixture to structure with retention wires. Maximum fixture weight is 45 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.

Color & Lumen Output: Three lumen packages available. Low (LO), Middle (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) and 347 volt (3) options available. Must specify OL4 in Driver section when 347 volt (3) is selected. Some LiFT 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 LiFT configurations will not accommodate all driver options.

Circuiting: Select from single circuit (1), Emergency circuit (E) or Night Light circuit (N). Some LiFT 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: Powder-coat white painted finish on exposed trim.

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: 45 lbs maximum.

Buy American Act Compliant

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

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.

Designed in Denver, CO • USA | pinnacle-ltg.com | O: 303-322-5570 F: 303-322-5568