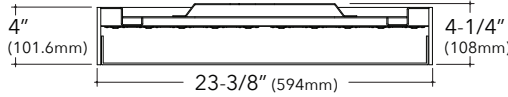


*Shown with SARI2 option



LiFT LF24

2x4 Direct/Indirect Suspended Architectural Square with Acoustic Solutions



Key Features

- Formed and welded extruded aluminum housing for seamless finish with 1/4" trim
- Aluminum top cover conceals all electrical components
- Highly reflective die-formed white painted steel reflector
- Sound Absorption available in specific configurations
- Fabricated lens with 3 lens positions
- LiFT 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 45 lbs
- Room-side maintenance for LED system
- Buy American Act compliant
- Apparent Noise Reduction Coefficient (NRC) is up to 1.65



Example Part #: LF24DI-A-830HO-830-AC448JB-U-PL2-1-0-W

LF24DI



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DIRECT SHIELDING¹	INDIRECT SHIELDING¹	DIRECT SOURCE²	INDIRECT SOURCE²
A - Flat Satine Lens AL - Lowered Satine Lens AR - Regress Satine Lens ASF - Acoustic Solution Flush <i>(use P__ to specify color)</i> ASR - Acoustic Solution Regress <i>(use P__ to specify color)</i> <i>Direct Shielding pg. 2</i>	LO - Clear Lens Overlay AS - Acoustic Solution <i>(use __ to specify color)</i> <i>Indirect Shielding pg. 2</i>	_27 - 2700K _30 - 3000K _35 - 3500K _40 - 4000K CL - Custom Lumens CW - Custom Watts NA - Not Applicable <i>(for specifying SA fixtures)</i> <i>Direct Source pg. 3</i>	_27 - 2700K _30 - 3000K _35 - 3500K _40 - 4000K CL - Custom Lumens CW - Custom Watts NA - Not Applicable <i>(for specifying SA fixtures)</i> <i>Indirect Source pg. 4</i>
MOUNTING³	VOLTAGE	DRIVER	CIRCUITING
AS4 - 4 AC Straight to JB or ST AC4 - 4 AC Centered to JB or ST AH4 - 4 AC w/hub to JB or ST PP - Pendant Pipe to JB or ST PS - Pendant Swivel to JB or ST <i>Mounting pg. 4</i>	U - Universal <i>(120 thru 277V)</i> 1 - 120V 2 - 277V 3 - 347V NA - Not Applicable <i>(for specifying SA fixtures)</i> <i>Voltage pg. 5</i>	PL2 - Advance Xitanium <i>(1%, 0-10v)</i> EE1 - eldoLED ECOdrive <i>(1%, 0-10v)</i> ES1 - eldoLED SOLDrive <i>(0%, 0-10v)</i> LH1 - Lutron Hi-lume <i>(1%, EcoSystem)</i> L51 - Lutron 5-Series <i>(5%, EcoSystem)</i> OL2 - Osram Optotronics <i>(1%, 0-10v)</i> OL4 - Osram Optotronics 347V <i>(1%, 0-10v)</i> ND - Non-Dimming NA - Not Applicable <i>(for specifying SA fixtures)</i> <i>Driver pg. 5</i>	1 - Single Circuit 2 - Dual Circuit E - Emergency <i>(entire fixture)</i> N - Night Light <i>(entire fixture)</i> NA - Not Applicable <i>(for specifying SA fixtures)</i> <i>Circuiting pg. 5</i>
BATTERY & EMERGENCY	FINISH	FIXTURE OPTIONS	CONTROLS⁴
0 - None 1PB - Bodine 10W NA - Not Applicable <i>(for specifying SA fixtures)</i> <i>Battery & Emergency pg. 5</i>	W - White S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color <i>Finish pg. 5</i>	AM - Antimicrobial Paint GMF - Slow Blow Fusing NA - Not Applicable <i>(for specifying SA fixtures)</i> <i>Fixture Options pg. 5</i>	DLMFC - Wattstopper DLM <i>(wired)</i> ENLI - Enlighted IOT <i>(remote)</i> ENLC - Enlighted Connected Lighting <i>(remote)</i> NA - Not Applicable <i>(for specifying SA fixtures)</i> <i>Controls pg. 6</i>

¹When specifying Sound Absorption either direct or indirect use NA for the corresponding SOURCE. If specifying an only Sound Absorption fixture you will need to specify NA in the following: DIRECT SOURCE, INDIRECT SOURCE, VOLTAGE, DRIVER, CIRCUITING, BATTERY & EMERGENCY, or CONTROLS. ²When 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. ³Example: AC4120JB, AC4 = 4 Aircraft Cables, 120 = 120" 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". ⁴Controls can only be used with Single Circuit (1) or Emergency Circuitry (E), cannot be used with any battery options. See Controls chart on page 6 for driver options and more information.

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Shielding

- Fabricated, captive lens with 3 lens positions
- Highly reflective white reflectors maintain uniform lens brightness

Direct Shielding

A or ASF Flush Satine Lens or Acoustic Solution	AL Drop Satine Lens	AR or ASR Regress Satine Lens or Acoustic Solution	Indirect Shielding LO or AS Clear Lens Overlay or Acoustic Solution

Acoustic Solutions

- 9mm PET Polyester Fiber acoustic panel
- Recyclable and contains up-to 90% post-consumer content
- Use SAFP__ or SARP__ for direct panels, use SAP__ for indirect panels
- Colors below are for representation purposes, color may vary from photograph, contact factory for sample.
- Specify the color of the Sound Absorption with the numeric code below in the Shielding portion of the part number. For example, SAFP04 for Direct Sound Absorption, Flush Mounting, White 04.
- If Acoustic Solutions are specified for the direct portion of the fixture and the indirect portion is non-illuminated, acoustic material will be applied to the indirect side of the fixture.

Standard Colors

P04 - White	P12 - Medium Grey	P27 - Black	P28 - Dark Grey	P33 - Royal Blue
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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
P14 - Lime	P16 - Dark Blue	P17 - Red	P18 - Dark Red	P19 - Purple	P22 - Sky Blue	P23 - Deep Blue
P25 - Grey	P26 - Heathered Grey	P34 - Teal	P36 - Dark Silver	P37 - Blue	PCC - Custom Color Please note there is a minimum order quantity for custom matching. Consult factory for order quantity, price and lead-time.	

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Direct Source

- 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

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	Lumens	Shielding A, AL, AR 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

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Indirect Source

- 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

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	Lumens	LO Clear Lens Overlay	
			Watts	LPW
830LO	3000K	4055	28.4	143
830MO	3000K	5962	41.2	145
830HO	3000K	7791	55.8	140
835LO	3500K	4223	28.4	149
835MO	3500K	6220	41.2	151
835HO	3500K	8143	55.7	146
840LO	4000K	4338	28.3	153
840MO	4000K	6380	41.2	155
840HO	4000K	8284	55.7	149

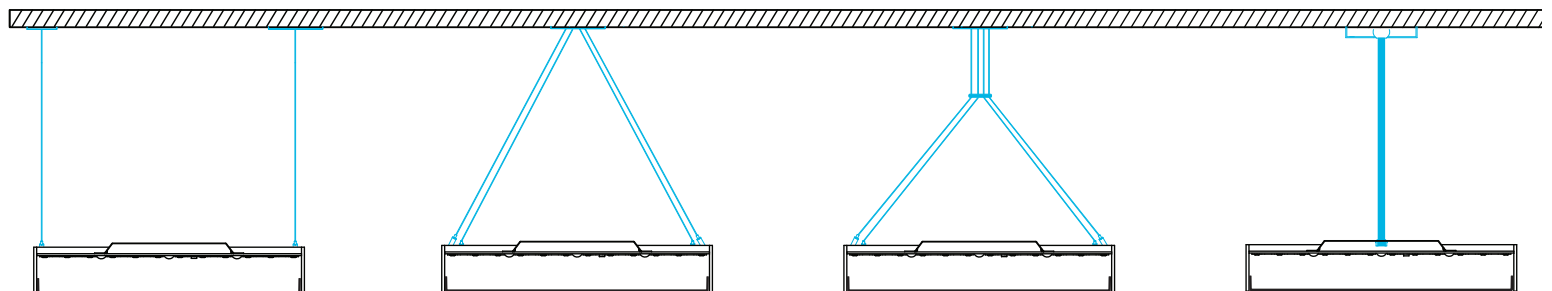
90 CRI

927LO	2700K	3358	28.4	118
927MO	2700K	4939	41.2	120
927HO	2700K	6413	55.8	115
930LO	3000K	3536	28.4	125
930MO	3000K	5200	41.2	126
930HO	3000K	6752	55.8	121
935LO	3500K	3536	28.4	125
935MO	3500K	5200	41.2	126
935HO	3500K	6752	55.8	121
940LO	4000K	3761	28.4	132
940MO	4000K	5531	41.2	134
940HO	4000K	7182	55.8	129

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
- Tie off fixture to structure with retention wires
- Maximum fixture weight is 45 lbs

AS4_JB 4 AC cables straight, fixture to J-Box	AC4_JB 4 AC cables, center mount, fixture to J-Box	AH4_JB 4 AC cables with hub, fixture to J-Box	PP_JB Pendant Pipe to J-Box
AS4_ST 4 AC cables straight, fixture to Structure	AC4_ST 4 AC cables, center mount, fixture to Structure	AH4_ST 4 AC cables with hub, fixture to Structure	PS_JB Pendant Swivel to J-Box
			PP_ST Pendant Pipe to Structure
			PS_ST Pendant Swivel to Structure



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Voltage

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

PL2	Advance Xitanium 1%, 0-10v
EE1	eldoLED ECOdrive 1%, 0-10v Logarithmic
EE2	eldoLED ECOdrive 1%, 0-10v Linear
ES1	eldoLED SOLOdrive 0%, 0-10v Logarithmic
ES2	eldoLED SOLOdrive 0%, 0-10v Linear
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
L51	Lutron 5-Series 5%, EcoSystem, LDE5
OL2	Osram Optotronic 1%, 0-10v
OL4	Osram Optotronic 347v 1%, 0-10v, requires 347v
ND	Non-Dimming
NA	Not Applicable (for Sound Absorption)

Circuiting

- Select fixture circuiting from options below
- Some LIFT 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
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
- For more Battery options, see Pinnacle Resource Guide on download pages at pinnacle-ltg.com

0	No Battery
1PB	Philips Bodine 10w Integral
NA	Not Applicable (for Sound Absorption)

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

- Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes
- 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)

Fixture Options

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

AM	Antimicrobial Paint
GMF	Internal Slow Blow Fuse
NA	Not Applicable (for Sound Absorption)

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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
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)					

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 Acoustic. For specific reports, contact Pinnacle directly.

Mounting: Aircraft cable and Pendant mount available. Aircraft Cable and pendant supplied with 5" (127mm) canopies. Refer to installation instructions for appropriate ceiling detail. Maximum fixture weight is 45 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-ltg.com.

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. 80 CRI = R9≥19 and 90 CRI = R9≥61.

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), dual circuit (2), 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: 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. 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. 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.