LiFT LF22DI
2x2 Direct / Indirect Suspended Architectural Square

Shown with Regress Lens option
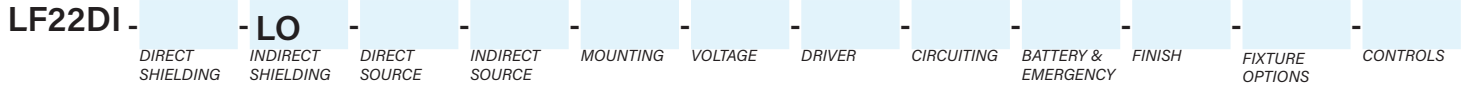
4" (101.6mm)   4-1/4" (108mm)

23-3/8" (594mm)
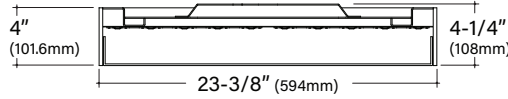
Key Features

- 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
- Fabricated, captive 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 30 lbs
- Room-side maintenance for LED system
- Buy American Act compliant

Example Part #: LF22DI-A-LO-830HO-830-AC448JB-U-PL2-1-0-W

LF22DI - __ __	- LO	- _____	- _____	- _____	- __ __	- ___	- _	- ___	- __	- ____	- _
DIRECT SHIELDING	INDIRECT SHIELDING	DIRECT SOURCE	INDIRECT SOURCE	MOUNTING	VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH	FIXTURE OPTIONS	CONTROLS

DIRECT SHIELDING	DIRECT SHIELDING	DIRECT SOURCE[1]	INDIRECT SOURCE[1]
A - Flush Satine Lens **AL** - Drop Satine Lens **AR** - Regress Satine Lens *Direct Shielding pg. 2*	**LO** - Clear Lens Overlay *Indirect Shielding pg. 2*	**_27_ _** - 2700K **_30_ _** - 3000K **_35_ _** - 3500K **_40_ _** - 4000K **CL_ _ _ _ _ _** - Custom Lumens **CW_ _ _ _ _ _** - Custom Watts *Direct Source pg. 2*	**_27_ _** - 2700K **_30_ _** - 3000K **_35_ _** - 3500K **_40_ _** - 4000K **CL_ _ _ _ _ _** - Custom Lumens **CW_ _ _ _ _ _** - Custom Watts *Indirect Source pg. 3*

MOUNTING[2]	VOLTAGE	DRIVER	CIRCUITING
AC4_ _ _ _ _ _ - 4 AC, Center Mount, JB or ST **AS4_ _ _ _ _** - 4 AC, Straight, 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 *Mounting pg. 3*	**U** - Universal *(120 thru 277V)* **1** - 120V **2** - 277V **3** - 347V *Voltage pg. 4*	**PL2 -** Advance Xitanium *(1%, 0-10v)* **EE1 -** eldoLED ECOdrive *(1%, 0-10v)* **ES1 -** eldoLED SOLOdrive *(0%, 0-10v)* **LH1 -** Lutron Hi-lume *(1%, EcoSystem)* **L51 -** Lutron 5-Series *(5%, EcoSystem)* **OL2 -** Osram Optotronics *(1%, 0-10v)* **OL4 -** Osram Optotronics 347v *(1%, 0-10v)* **ND -** Non-Dimming *Driver pg. 4*	**1** - Single Circuit **2** - Dual Circuit **E** - Emergency *(entire fixture)* **N** - Night Light *(entire fixture)* *Circuiting pg. 4*

BATTERY & EMERGENCY	FINISH	FIXTURE OPTIONS	CONTROLS[3]
0 - None **1PB -** Bodine 10W *Battery & Emergency pg. 4*	**W -** White **S -** Metallic Silver **BL -** Textured Black **BR -** Bronze **GR -** Graphite **CC -** Custom Color *Finish pg. 4*	**AM -** Antimicrobial Paint **GMF -** Slow Blow Fusing *Fixture Options pg. 4*	**DLMFC -** Wattstopper DLM *(wired)* **ENLI -** Enlighted IOT *(remote)* **ENLC -** Enlighted Connected Lighting *(remote)* *Controls 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. See output charts for more information. [2]Example: AC448JB. AC4 = 4 Aircraft Cables, 48 = 48" long cables, JB = connects to junction box. Standard AC cable lengths are 48",120", 240", or 350" 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.
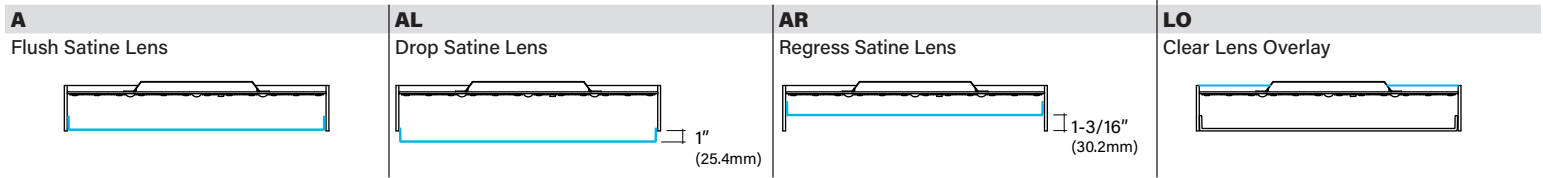
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PINNACLE ARCHITECTURAL LIGHTING®

Shielding

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

Direct Shielding

A	AL	AR	*Indirect Shielding*
Flush Satine Lens	Drop Satine Lens	Regress Satine Lens	**LO**
			Clear Lens Overlay

AL: 1" (25.4mm)

AR: 1-3/16" (30.2mm)

Direct 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	Lumens	Shielding A, AL, AR Satine Lens	
			Watts	*LPW*
830LO	3000K	2414	20.0	121
830MO	3000K	3886	31.9	122
830HO	3000K	5317	45.3	117
835LO	3500K	2500	20.0	125
835MO	3500K	4074	31.9	128
835HO	3500K	5648	45.3	125
840LO	4000K	2619	20.1	130
840MO	4000K	4224	32.1	132
840HO	4000K	5816	45.7	127

90 CRI

927LO	2700K	1960	20.1	98
927MO	2700K	3160	32.0	99
927HO	2700K	4338	45.5	95
930LO	3000K	2090	20.1	104
930MO	3000K	3374	32.0	105
930HO	3000K	4640	45.5	102
935LO	3500K	2090	20.1	104
935MO	3500K	3374	32.0	105
935HO	3500K	4640	45.5	102
940LO	4000K	2201	20.0	110
940MO	4000K	3544	32.0	111
940HO	4000K	4860	45.6	107

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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
- Indirect has clear lens overlay

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	2101	15.2	138
830MO	3000K	3089	22.1	140
830HO	3000K	4037	29.4	137
835LO	3500K	2188	15.2	144
835MO	3500K	3223	22.1	146
835HO	3500K	4219	29.4	144
840LO	4000K	2248	15.2	148
840MO	4000K	3305	22.1	150
840HO	4000K	4292	29.4	146

90 CRI

927LO	2700K	1740	15.2	114
927MO	2700K	2559	22.1	116
927HO	2700K	3323	29.4	113
930LO	3000K	1832	15.2	120
930MO	3000K	2694	22.1	122
930HO	3000K	3498	29.4	119
935LO	3500K	1832	15.2	120
935MO	3500K	2694	22.1	122
935HO	3500K	3498	29.4	119
940LO	4000K	1949	15.2	128
940MO	4000K	2866	22.1	130
940HO	4000K	3721	29.4	127

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 30 lbs

AS4___JB	AC4___JB	AH4___JB	PP__JB
4 AC cables straight, fixture to J-Box	4 AC cables, center mount, fixture to J-Box	4 AC cables with hub, fixture to J-Box	Pendant Pipe to J-Box
			PS__JB
			Pendant Swivel to J-Box
AS4___ST	**AC4___ST**	**AH4___ST**	**PP__ST**
4 AC cables straight, fixture to Structure	4 AC cables, center mount, fixture to Structure	4 AC cables with hub, fixture to Structure	Pendant Pipe to Structure
			PS__ST
			Pendant Swivel to Structure
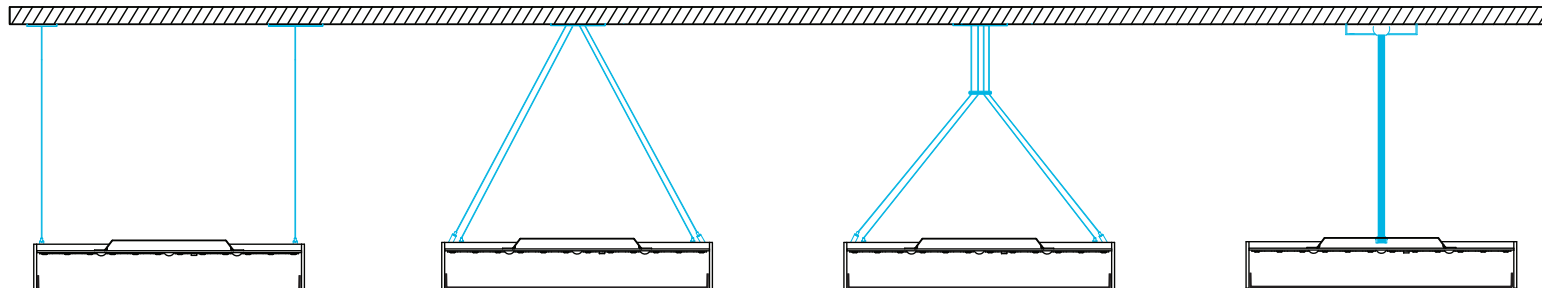
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Voltage

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

U	Universal
1	120 volt
2	277 volt
3	347 volt

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

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

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	Bodine 10w

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

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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; 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	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

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.

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 30 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 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. Approved for dry/damp location unless otherwise noted.

Fixture Weight: 30 lbs maximum.

Buy American Act Compliant

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

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