PINNACLE
ARCHITECTURAL LIGHTING®

LiFT LF11D
1x1 Direct Recessed Architectural Square with Sound Absorption

4"
(101.6mm)

Shown with SAR12 option
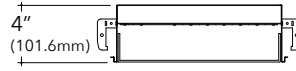
Key Features

- 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
- ETL Listed conforming to UL1598 in US and CSA 250 in Canada
- Maximum fixture weight is 12 lbs
- Room-Side Maintenance for LED system
- Buy American Act compliant
- Apparent Noise Reduction Coefficient (NRC) is up to 1.5

Example Part #: LF11D-A-830HO-GF-U-PL2-1-0-W

LF11D

SHIELDING	CRI, CCT & OUTPUT	MOUNTING	VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH	FIXTURE OPTIONS

___ - _____ - ____ - _ - ___ - _ - ___ - __ - ____

SHIELDING[1]

A - Flush Satine Lens
AL - Drop Satine Lens
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

SOURCE[2]

_27_ _ - 2700K
_30_ _ - 3000K
_35_ _ - 3500K
_40_ _ - 4000K
CL_ _ _ _ _ _ - Custom Lumens
CW_ _ _ _ _ _ - Custom Watts
NA - Not Applicable *(for specifying SA fixtures)*
Source pg. 3

MOUNTING

G - Grid Ceiling
(Fixture does not fit in standard grid spacing)
GF - Grid Ceiling with Flange
FL - Flanged
SF - Spackle Flange
Mounting pg. 4

VOLTAGE

U - Universal *(120 thru 277V)*
1 - 120V
2 - 277V
3 - 347V
NA - Not Applicable *(for specifying SA fixtures)*
Voltage pg. 4

DRIVER

FSD - Factory Select Driver *(1%, 0-10v)*
PL2 - Advance Xitanium *(1%, 0-10v, standard)*
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)*
NA - Not Applicable *(for specifying SA fixtures)*
Driver pg. 5

CIRCUITING

1 - Single Circuit
E - Emergency *(entire fixture)*
N - Night Light *(entire fixture)*
NA - Not Applicable *(for specifying SA fixtures)*
Circuiting pg. 5

BATTERY & EMERGENCY

0 - None
FSG - Factory Select ALCR
GI - Iota ETS DR
GB - Bodine GTD
1PB - Bodine 10W
NA - Not Applicable *(for specifying SA fixtures)*
Battery and Emergency pg. 5

FINISH

W - White
S - Metallic Silver
BL - Textured Black
BR - Bronze
GR - Graphite
CC - Custom Color
Finish pg. 5

FIXTURE OPTIONS

CP - Chicago Plenum
AM - Antimicrobial Paint
FW6 - 6' Flex Whip
GMF - Slow Blow Fusing
DSP - Customer Supplied Battery/Driver/Sensor
NA - Not Applicable *(for specifying SA fixtures)*
Fixture Options pg. 5

CONTROLS[3]

DLMFC - Wattstopper DLM *(wired)*
ENLI - Enlighted IOT *(remote)*
ENLC - Enlighted Connected Lighting *(remote)*
NA - Not Applicable *(for specifying SA fixtures)*
Controls pg. 6

[1]When specifying a fixture with Sound Absorption (no lit components), use NA for the following sections of the part number: SOURCE, VOLTAGE, DRIVER, CIRCUITING, BATTERY & EMERGENCY, or CONTROLS. [2]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. [3]Controls can only be used with Single Circuit (**1**) or Emergency Circuit (**E**). See Controls chart on page 5 for driver options and more information.
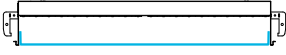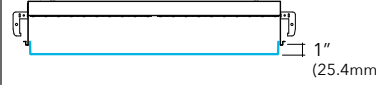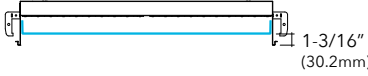
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Shielding

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

Ordering Code

A or ASF	AL	AR or ASR
Flush Satine Lens or Acoustic Solution	Drop Satine Lens	Regress Satine Lens or Acoustic Solution
	1" (25.4mm)	1-3/16" (30.2mm)

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

A01 - Charcoal	A02 - Black	A03 - Azure	A04 - Ruby	A05 - Commander	A06 - Coffee Bean

A07 - Almond	A08 - Nickel	A09 - Stone	A10 - Slate	A11 - Pear	A12 - Teal

A13 - Warm White	A14 - Nighttime Blue	A15 - Tiger	A16 - Cool Grey	A17 - Grey Granite	A18 - Dune

A19 - Bone	A20 - Bumblebee	A21 - Gingerbread	A22 - Raven	A23 - Oregano	A24 - Mushroom	PCC - Custom Color

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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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*
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	552	6.0	92
830MO	3000K	888	9.1	98
830HO	3000K	1215	12.8	95
835LO	3500K	571	6.0	95
835MO	3500K	931	9.1	102
835HO	3500K	1291	12.8	101
840LO	4000K	599	6.0	99
840MO	4000K	965	9.1	106
840HO	4000K	1329	12.9	103

90 CRI

	Color	Lumens	Watts	LPW
927LO	2700K	448	6.0	74
927MO	2700K	722	9.1	79
927HO	2700K	991	12.8	77
930LO	3000K	478	6.0	79
930MO	3000K	771	9.1	85
930HO	3000K	1060	12.8	83
935LO	3500K	478	6.0	79
935MO	3500K	771	9.1	85
935HO	3500K	1060	12.8	83
940LO	4000K	503	6.0	84
940MO	4000K	810	9.1	89
940HO	4000K	1110	12.9	86

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Mounting

- LiFT 1x1 Recessed does not fit into standard 1' x 1' grid spacing, see installs for grid mounting details.
- 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 12 lbs
- Refer to installation instructions during installation at the job site
- Approved for dry/damp location unless otherwise noted

G		

1" Grid Mount
Does not fit into standard 1' grid spacing, see installs for grid mounting details.
Works with 15/16" grid ceiling types. See profile for fixture position in relation to ceiling grid and tile.

Standard Tile

Tegular Tile

9/16" Grid Mount
Does not fit into standard 1' grid spacing, see installs for grid mounting details.
Works with 9/16" grid ceiling type. For tegular tile installations, fixture position will be flush to the bottom of the tile.

Standard Tile

Tegular Tile

Screw Slot Mounting
Does not fit into standard 1' grid spacing, see installs for grid mounting details.
Works with screw slot and bolt slot ceiling types.

Tegular Tile

GF

1/2" Flange
Utilize for Center of Tile Mounting. Fixture provided with Grid Spanning Bracket.

Standard Tile

Tegular Tile

FL

Flange
Utilize in drywall application when a flange is required.

SF

Spackle Flange
*Utilize in drywall application when a flangeless look is required.*

G vs. GF Installation

LiFT 1x1 can be ordered as either Grid Ceiling Flange (G) or 1/2" Flange (GF). The 1/2" flange (GF) is for mounting the fixture in the center of a tile. The grid ceiling flange (G) is for if you are making a pattern with LiFT and would want to mount this off center. The GF mounting option comes with a grid spanning bracket (as show to the side) that will hold the fixture in the center of the tile.
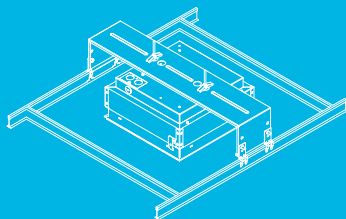
Side-by-Side Installation

LiFT has the ability to have 2 fixtures mounted side by side using the same grid. This detail allows LiFT to be installed in a pattern with only the space of the T-bar between the fixtures.
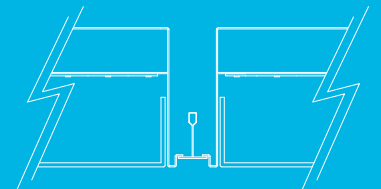
Voltage

- 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 fixtures)*

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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

0-10V Drivers	
FSD	Factory Select Driver 1%, 0-10v
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)
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

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 fixtures)*

Battery & Emergency

- Select battery or emergency options if required
- Battery duration is 90 minutes
- Test button is integral
- For more Battery options, see Pinnacle Resource Guide on download pages at pinnacle-ltg.com

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
1IRC	Iota 10w Remote
1PRS	Bodine 7w Remote, Self Testing
1PB	Bodine 10w Integral
1PRD	Bodine 10w Remote, Dual Flex

Battery & Emergency Ordering Examples
- Single circuit, 10w integral battery   Ordering Code: 1-1PB
- Emergency circuit only, 10w integral battery Ordering Code: E-1PB

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

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*)

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 fixtures)*

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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	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 fixtures)*					

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 Labratories. For specific reports, contact Pinnacle directly.

Mounting: LiFT 1x1 Recessed does not fit into standard 1' x 1' grid spacing, see installs for grid mounting details. 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 12 lbs.

LED: 25ºC 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.

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 25ºC ambient operating conditions. For more driver options, see Pinnacle Resource Guide on download pages on 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 remote. 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: 12 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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