PINNACLE
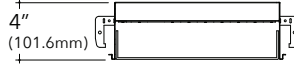## ARCHITECTURAL LIGHTING®

*Shown with SAR12 option

LiFT LF14D
1x4 Direct Recessed Architectural Square with Acoustic Solutions

4"
(101.6mm)

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 25 lbs
- Room-Side Maintenance for LED system
- Buy American Act compliant
- Apparent Noise Reduction Coefficient (NRC) is up to 1.6

Example Part #: LF14D-A-830HO-G-U-PL2-1-0-W

LF14D

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

SHIELDING[1]	SOURCE[2]	MOUNTING	VOLTAGE
A - Flush Satine Lens **AR** - Regress Satine Lens **AL** - Drop Satine Lens **ASF_ _** - Acoustic Solution Flush *(use A_ _ to specify color)* **ASR_ _** - Acoustic Solution Regress *(use A_ _ to specify color)* *Shielding pg. 2*	**_27_ _** - 2700K **_30_ _** - 3000K **_35_ _** - 3500K **_40_ _** - 4000K **CL_ _ _ _ _ _** - Custom Lumens **CW_ _ _ _ _ _** - Custom Watts **NA** - Not Applicable *(for specifying AS fixtures)* *Source pg. 3*	**G** - Grid Ceiling *(Fixture does not fit in standard grid spacing)* **FL** - Flanged **SF** - Spackle Flange *Mounting pg. 4*	**U** - Universal *(120 thru 277V)* **1** - 120V **2** - 277V **3** - 347V **NA** - Not Applicable *(for specifying AS fixtures)* *Voltage pg. 4*

DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH
FSD - Factory Select Driver *(1%, 0-10v)* **PL2** - Advance Xitanium *(1%, 0-10v)* **PS1** - Advance Xitanium *(50%/100%)* **EE1** - eldoLED ECOdrive *(1%, 0-10v)* **ES1** - eldoLED SOLOdrive *(0%, 0-10v)* **LH1** - Lutron Hi-lume *(1%, EcoSystem)* **OL2** - Osram Optotronic *(1%, 0-10v)* **OL4** - Osram Optotronic 347v *(1%, 0-10v)* **NA** - Not Applicable *(for specifying AS fixtures)* *Driver pg. 5*	**1** - Single Circuit **E** - Emergency *(entire fixture)* **N** - Night Light *(entire fixture)* **NA** - Not Applicable *(for specifying AS fixtures)* *Circuiting pg. 5*	**0** - None **1P** - Bodine 10W Integral **1I** - Iota 10W **1IC** - Iota 10W, Integral *(CEC Listed)* **1G** - Bodine GTD **FSG** - Factory Select ALCR **GI** - Iota ETS DR **GB** - Bodine GTD **NA** - Not Applicable *(for specifying AS fixtures)* *Battery and Emergency pg. 5*	**W** - White **S** - Metallic Silver **BL** - Textured Blak **BR** - Bronze **GR** - Graphite **CC** - Custom Color *Finish pg. 5*

FIXTURE OPTIONS	CONTROLS[3]
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 AS fixtures)* *Fixture Options pg. 6*	**DLMFC** - Wattstopper DLM *(wired)* **ENLI** - Enlighted IOT *(remote)* **ENLC** - Enlighted Connected Lighting *(remote)* **NA** - Not Applicable *(for specifying AS fixtures)* *Controls pg. 6*

[1]When specifying a fixture with only Acoustic Solution (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), cannot be used with any battery options. See Controls chart on page 5 for driver options and more information.
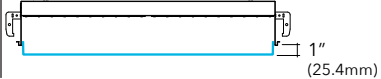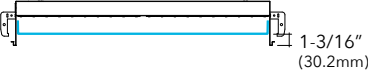
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Shielding

- 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
						Please note there is a minimum order quantity for custom matching. Consult factory for order quantity, price and lead-time.

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pg. 2

PINNACLE ARCHITECTURAL LIGHTING®

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

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	2325	20.0	116
830MO	3000K	3742	31.9	117
830HO	3000K	5121	45.3	113
835LO	3500K	2408	20.0	120
835MO	3500K	3924	31.9	123
835HO	3500K	5439	45.3	120
840LO	4000K	2523	20.1	126
840MO	4000K	4068	32.1	127
840HO	4000K	5601	45.7	122

90 CRI
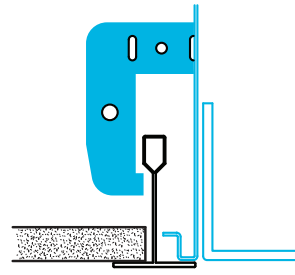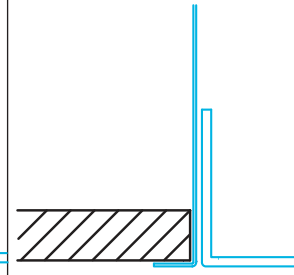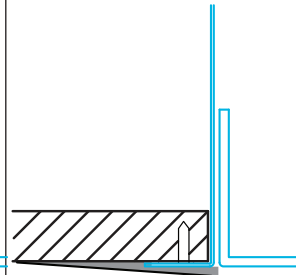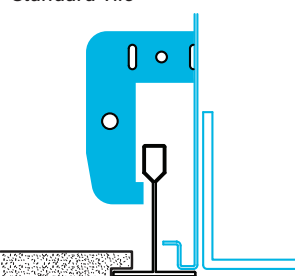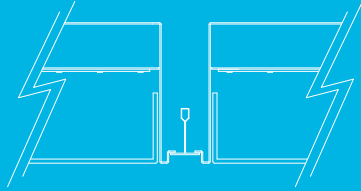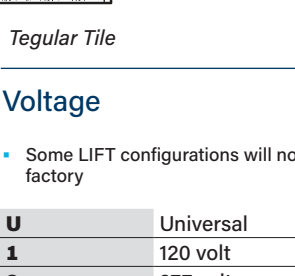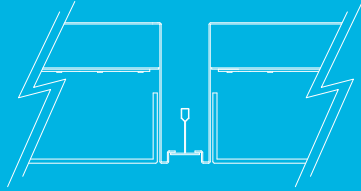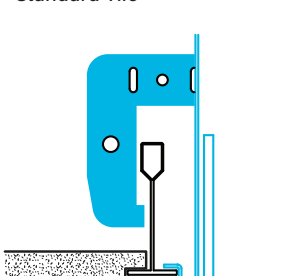
	Color	Lumens	Watts	LPW
927LO	2700K	1888	20.1	94
927MO	2700K	3044	32.0	95
927HO	2700K	4177	45.5	92
930LO	3000K	2013	20.1	100
930MO	3000K	3250	32.0	101
930HO	3000K	4469	45.5	98
935LO	3500K	2013	20.1	100
935MO	3500K	3250	32.0	101
935HO	3500K	4469	45.5	98
940LO	4000K	2120	20.0	106
940MO	4000K	3413	32.0	107
940HO	4000K	4680	45.6	103

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pg. 3

Mounting

- LiFT 1x4 Recessed does not fit into standard 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 25 lbs
- Refer to installation instructions during installation at the job site
- Approved for dry/damp location unless otherwise noted

G			FL	SF

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. See tegular tile profile image below.

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

Flange
Utilize in drywall application when a flange is required.

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

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)*

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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	Osram Optotronic, 1%, 0-10v
OL4	Osram 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% Logarithmic
ES2	eldoLED SOLOdrive 0-10v, 0% Linear
DALI Drivers	
EE3	eldoLED SOLOdrive .1%, DALI (logarithmic)
EE4	eldoLED SOLOdrive .1%, DALI (linear)
OD1	Osram Optotronic 1%, DEXAL
OD2	Osram Optotronic 1%, DALI 2 Channel
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
Alternate Drivers	
PS1	Signify Advance Xitanium Step Dimming 50%/100%
OD1	Osram 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
- For more Battery options, see Pinnacle Resource Guide on download pages at pinnacle-ltg.com

0	No Battery
1IC	Iota 10w Integral
1ILL	Iota 10w Integral Lithium, Self Testing
1IRH	Iota 20w Remote
1P	Bodine 10w Integral
1PLL	Bodine 10w Integral Lithium, Self Testing
1PRH	Bodine 20w Remote
FSG	Factory Select Automatic Load Control Relay (ALCR)
GI	Emergency Transfer Switch (ETS) DR Emergency Control Device
GB	Bodine GTD, Generator Transfer Device

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
- 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*)

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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 Aborption)*					

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: LiFT 1x4 Recessed does not fit into standard 1' grid spacing, see installs for grid mounting details. 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 25 lbs.

LED: 25ºC 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 25ºC 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: ETL Listed conforming to UL1598 in US and CSA 250 in Canada. LO, MO, and HO lumen packages are IC Rated, approved for dry/damp location unless otherwise noted.

Fixture Weight: 25 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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