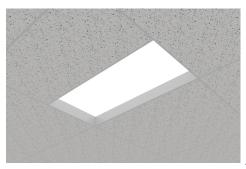
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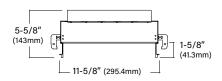






LiFT LF12

1x2 Direct Recessed Architectural Square



Key Features

- Formed 20 gauge cold rolled steel housing
- Highly reflective die-formed white painted 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
- Room-Side Maintenance for LED system













Example Part #: LF12-AR-930HO-G-U-FSD-1-0-W

LF12 - AR SHIELDING CRI, CCT & MOUNTING VOLTAGE DRIVER CIRCUITING BATTERY & CONTROLS FIXTURE OUTPUT **EMERGENCY** OPTIONS

AR			_
SHIELDING	SOURCE ^{1,2}	MOUNTING	VOLTAGE ³
AR - Regress Satine Lens	927 90CRI, 2700K 930 90CRI, 3000K 935 90CRI, 3500K 940 90CRI, 4000K TW 2CH Tunable White (2700-6500K, 90CRI) CL Custom Lumens CW Custom Watts Source pg. 2	G - Grid Ceiling (Fixture does not fit in standard grid spacing) FL - Flanged SF - Spackle Flange Mounting pg. 2	U - Universal (120 thru 277V) 1 - 120V 2 - 277V 3 - 347V Voltage pg. 3

	_		
DRIVER	CIRCUITING ⁴	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 (01%, 0-10v) LH1 - Lutron Hi-lume (1%, EcoSystem) PS1 - Advance Xitanium (50%/100%) Driver pg. 3	1 - Single Circuit E - Emergency (entire fixture) Circuiting pg. 3	O - None FSG - Factory Select ALCR GI - Iota ETS DR GB - Bodine GTD 1ICL - Iota 7w 1PB - Bodine 10w 1PCL - Bodine 6w Battery and Emergency ρg. 4	W - White Finish pg. 4

FIXTURE OPTIONS ⁵	CONTROLS
CP - Chicago Plenum	MOD - Mod options available
AM - Antimicrobial Paint	Controls pg. 4
FW6 - 6' Flex Whip	
DSP - Customer Supplied Battery/Driver/	
Sensor	
GMF - Slow Blow Fusing	
BA - Buy America(n) Act and/or Build	
America Buy America Compliant	
Fixture Options pg. 4	

When specifying SOURCE the ending __are for specifying output, example HO - High Output. See output charts for more information. 2When specifying Tunable White, use TW and then specify output, example TWHO - Tunable White 90CRI, High Output 2700-5500K. See output charts for more information. Tunable White option requires driver option FSD which provides separate 0-10v control leads for Intensity and CCT.

Tunable White (TW) option only available with Universal (U), 120V (1) or 277V (2) options.
Consult factory for Emergency (E) options with Tunable White (TW) option.
Compliance is configuration dependent; consult

Ħ

Source

- 90 CRI = R9≥50
- Longer lead-time may apply for Tunable White option. Consult factory
- Tunable White option requires driver option FSD which provides separate 0-10v
- control leads for Intensity and CCT.
- Tunable White lumen packages shown at 4000K CCT setpoint

Custom Output- Lumens OR Wattage				
CL	Specify CRI, CCT and desired lumens (i.e. CL9352000)	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		
CLTW	Specify desired lumens for Tunable White (i.e. CLTW3200)	Specify lumens between Tunable White offering listed below. Lumens are specified at 4000K CCT setpoint.		

90 CRI

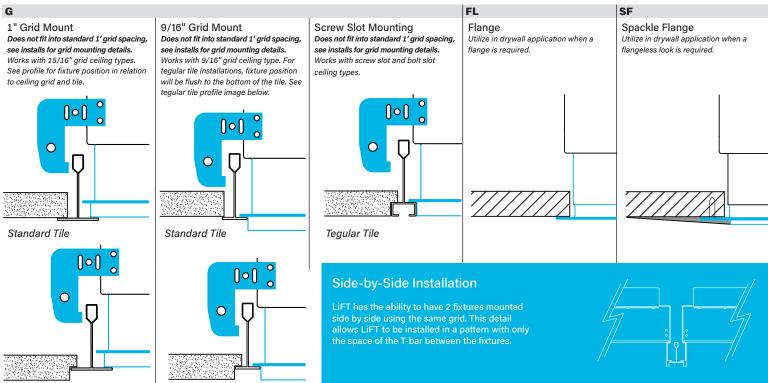
	Color	Lumens	Shielding A Satine Lens	1
		4400	Watts	LPW
927LO		1168	10.1	116
927MO	2700K	1898	16.8	113
927HO		2597	24.4	106
930LO		1221	10.1	121
930MO	3000K	1983	16.8	118
930HO		2715	24.4	111
935LO		1197	10.1	118
935MO	3500K	1941	16.7	116
935HO		2673	24.5	109
940LO		1236	10.1	122
940MO	4000K	2005	16.7	120
940HO		2765	24.4	113

2 CH Tunable White (2700-6500K, 90CRI)

TWLO	2700 - 6500K	1200	11.4	106
TWMO		2000	18.7	107
TWHO		2600	25.0	104

Mounting

- LiFT 1x2 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 16 lbs
- Refer to installation instructions during installation at the job site
- Approved for dry/damp location unless otherwise noted



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.

Tegular Tile

Tegular Tile

Voltage

- Some LIFT configurations will not accommodate all voltage options; consult with factory
 347 volt not available with Tunable White (TW) option

U	Universal
1	120 volt
2	277 volt
3	347 volt

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 2, Logarithmic, DT6
ES3	eldoLED SOLOdrive 0.1%, DALI 2, Logarithmic, DT6
OD1	eldoLED Optotronic 1%, DEXAL
Lutron Driver	S
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
Alternate Driv	vers
PS1	Signify Advance Xitanium Step Dimming 50%/100%

Circuiting

Select fixture circuiting from options below

LF12_RECESSED_SPEC_SEPTEMBER2025

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

1	Single Circuit
E	Emergency 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
FSG	Factory Select ALCR Emergency Control Device, UNV
GI lota ETS-DR, Emergency Control Device, UNV	
GB Bodine GTD, Emergency Control Device, 120v or 277v 1ICL lota 7w Integral Lithium, Self Testing	
1PCL Bodine 6w Integral Lithium, Self Testing	

For Approximate Battery Lumen Output

- Multiply battery wattage X fixture LPW shown on Lumen Table
- 10 (watts) x 116 (LPW) = 1,160 battery lumen output

Battery & Emergency Ordering Examples

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

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

White

Fixture Options

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

	CP	Chicago Plenum	
AM Antimicrobial Paint		Antimicrobial Paint	
FW6 Flex Whip 6' DSP Customer Supplied Battery/Driver/Sensor		Flex Whip 6'	
		Customer Supplied Battery/Driver/Sensor	
	GMF	Internal Slow Blow Fuse	

• Domestic content option - compliance is configuration dependent; consult factory for conformation

Buy America(n) Act and/or Build America Buy America Compliant

Controls

· Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.

Controls: MOD Options

- Specify **MOD** in the part number for any of the below options
- Control Options may require specific driver. Refer to the chart below

• Consult factory for MOD specification details, pricing, and lead-time information

Ordering Code AWNR

Required Driver OD1, PR1, OL5, PL5

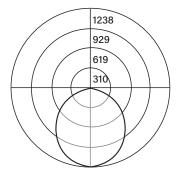
MOD Lutron Athena Connected

iFT LF12 **Architectural Square**

Photometrics

Satine Lens

Test # KPL2015-107 Catalog # LF12-AR-940HO 3293 lm Lumens 29.7 watts Watts Efficacy 111 LPW



Candela Distribution

Vert Horizontal Angle

Angle	nonzontal Angle				
	0	22.5	45	67.5	90
0	1238	1238	1238	1238	1238
5	1232	1231	1227	1223	1220
10	1212	1207	1200	1196	1195
15	1181	1172	1164	1159	1158
20	1140	1128	1118	1112	1112
25	1089	1075	1062	1056	1057
30	1029	1013	998	991	993
35	961	943	927	919	922
40	886	865	848	840	843
45	803	782	763	755	759
50	714	692	673	666	669
55	619	597	578	571	573
60	521	500	481	474	476
65	419	400	383	376	379
70	318	300	285	280	281
75	218	204	192	187	188
80	128	118	108	100	99
85	50	45	39	37	37
90	2	2	2	1	1

Luminance Data (cd/sq.m)

Angle In	Average	Average	Average
Degrees	0-Deg	45-Deg	90-Deg
45	6967	6620	6582
55	6619	6183	6130
65	6084	5553	5498
75	5164	4562	4445
85	3534	2723	2624

For all available IES files, please visit our website at pinnacle-ltg.com, Photometry testing in accordance to IESNA-LM-79-08 at an NVLAP or IAS accredited testing laboratory. Testing conducted at 25°C ambient conditions

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 extruded diffuse acrylic lens creating a fully luminous fixture.

Mounting: LiFT 1x2 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.

White 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. TM-21-21 Lifetime Rating L70 = >60,000 hours, L90 = 53,200 hours. Mac-Adam 3-Step Ellipses. For all available IES files, please visit our website at pinnacle-ltg.

Tunable White LED: 2 channel solution with 2700K and 6500K LED, 90CRI only, R9 >50. Lumen packages available shown at 4000K CCT setpoint, lumen output varies based on CCT. Use multipliers for other CCT; 2700K = .91 3000K = .93 3500K = .97 4000K = 1.0 5000K=1.044 6500K=1.078.

Color & Lumen Output: Not all lumen packages available. Three lumen packages available. Low (LO), Medium (MO) and High (HO). Custom outputs are available. Specify custom lumens or watts between standard offering listed on CRI, CCT & Output page. 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 PL4 or OL4 in Driver section when 347 volt (3) is selected. Some configurations will not accommodate all voltage options; consult with factory.

Driver: Standard Driver Option is Factory Select Driver 0-10V, 1% = FSD. Electronic driver, Power factor is >0.9 with a THD <20%. Driver Lifetime: 50,000 hours at 25°C ambient operating conditions. Ambient operating range: -20°F/-30°C to 101°F/38C. For more driver options, see Pinnacle Resource Guide. Some configurations will not accommodate all driver options

Circuiting: Select from single circuit (1) or Emergency circuit (E). 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-Itg.com.

Finish: Powder-coat white painted finish on exposed trim.

Controls: Mod options available, consult with factory.

Buy America Act (BAA) and Build America, Buy America Act (BABA) Compliance: BAA and/or BABA compliance options are available to support federally funded projects requiring domestic content. Availability depends on configuration; Compliance is configuration-dependent; consult factory for confirmation.

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: 16 lbs maximum.

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