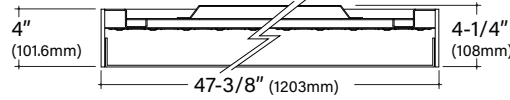


*Shown with Regress Lens option



LOFT LT44DI

4x4 Direct/Indirect Suspended Architectural Square



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
- LOFT 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 #: LT44DI-A-LO-830HO-830-AC448JB-U-FSD-1-0-W

LT44DI

DIRECT SHIELDING	INDIRECT SHIELDING	DIRECT SOURCE	INDIRECT SOURCE	MOUNTING	VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH	FIXTURE OPTIONS	CONTROLS
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DIRECT SHIELDING	INDIRECT SHIELDING	DIRECT SOURCE¹	INDIRECT SOURCE¹
A - Flush Satine Lens AL - Drop Satine Lens AR - Regress Satine Lens <i>Direct Shielding pg. 2</i>	LO - Clear Lens Overlay <i>Indirect Shielding pg. 2</i>	_27_ - 2700K _30_ - 3000K _35_ - 3500K _40_ - 4000K CL - Custom Lumens CW - Custom Watts <i>Direct Source pg. 2</i>	_27_ - 2700K _30_ - 3000K _35_ - 3500K _40_ - 4000K CL - Custom Lumens CW - Custom Watts <i>Indirect Source pg. 3</i>

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MOUNTING²	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 <i>Mounting pg. 3</i>	U - Universal (120 thru 277V) 1 - 120V 2 - 277V 3 - 347V <i>Voltage pg. 4</i>	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 (0.1%, EcoSystem) LH1 - Lutron Hi-lume (1%, EcoSystem) <i>Driver pg. 4</i>	1 - Single Circuit 2 - Dual Circuit E - Emergency (entire fixture) N - Night Light (entire fixture) <i>Circuiting pg. 4</i>

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BATTERY & EMERGENCY	FINISH	FIXTURE OPTIONS³	CONTROLS⁴
0 - None FSB - Factory Select Battery FSG - Factory Select ALCR GI - Iota ETS DR GB - Bodine GTD 1ILL - Iota 10W 1PLL - Bodine 10W <i>Battery & Emergency pg. 4</i>	W - White S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color <i>Finish pg. 5</i>	AM - Antimicrobial Paint DSP - Customer Supplied Battery/Driver/Sensor GMF - Slow Blow Fusing <i>Fixture Options pg. 5</i>	DLMFC - Wattstopper DLM (wired) <i>Controls pg. 5</i>

¹When 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. ²Example: 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". ³Compliance is configuration dependent; consult factory for confirmation. ⁴Controls can only be used with Single Circuit (**1**) or Emergency Circuit (**E**). See Controls chart on page 4 for driver options and more information.





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.



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	Clear Lens Overlay
			

Direct Source: White LED

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory
- 90 CRI = R9≥50

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	9385	74.5	126
830MO	3000K	15107	126.3	120
830HO	3000K	20672	181.2	114
835LO	3500K	9720	74.6	130
835MO	3500K	15839	126.3	125
835HO	3500K	21958	181.2	121
840LO	4000K	10183	75.0	136
840MO	4000K	16420	127.0	129
840HO	4000K	22612	183.0	124

90 CRI

927LO	2700K	7622	74.9	102
927MO	2700K	12287	126.8	97
927HO	2700K	16863	181.9	93
930LO	3000K	8125	74.9	108
930MO	3000K	13119	126.8	103
930HO	3000K	18039	181.9	99
935LO	3500K	8125	74.9	108
935MO	3500K	13119	126.8	103
935HO	3500K	18039	181.9	99
940LO	4000K	8556	74.5	115
940MO	4000K	13778	126.6	109
940HO	4000K	18893	182.3	104



Indirect Source: White LED

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory
- 90 CRI = R9≥50
- 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
830MO	3000K	9532	61.8	154
830HO	3000K	12457	83.8	149
835MO	3500K	9946	61.7	161
835HO	3500K	13019	83.7	155
840MO	4000K	10201	61.7	165
840HO	4000K	13245	83.7	158

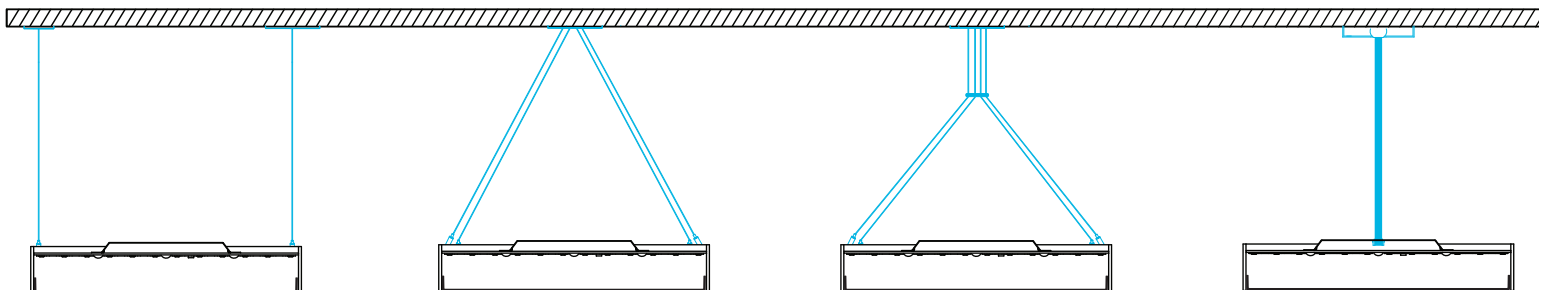
90 CRI

927MO	2700K	7897	61.8	128
927HO	2700K	10253	83.8	122
930MO	3000K	8314	61.8	135
930HO	3000K	10795	83.8	129
935MO	3500K	8314	61.8	135
935HO	3500K	10795	83.8	129
940MO	4000K	8844	61.8	143
940HO	4000K	11483	83.8	137

Mounting

- Aircraft cables and pendants mount directly to a standard junction box or structure
- Canopies and pendants match fixture finish, power cords are white 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 85 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





Voltage

- Some LOFT 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 = 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 LOFT 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
Lutron Drivers	
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
Alternate Drivers	
PS1	Advance Xitanium Step Dimming 50%/100%

Circuiting

- Select fixture circuiting from options below
- Some LOFT 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
FSB	Factory Select Battery 10w, Integral Lithium
FSBST	Factory Select Battery 10w, Integral Lithium Self Testing
FSG	Factory Select ALCR Emergency Control Device, UNV
GI	Iota ETS-DR, Emergency Control Device, UNV
GB	Bodine GTD, Emergency Control Device, 120v or 277v
1ILL	Iota 10w Integral Lithium, Self Testing
1PLL	Bodine 10w Integral Lithium, Self Testing

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: 1-1ILL
- Emergency circuit only, 10w integral battery Ordering Code: E-1ILL



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 <i>(white cord/white canopy)</i>
S	Metallic Silver <i>(white cord/silver canopy)</i>
BL	Textured Black <i>(black cord/black canopy)</i>
BR	Bronze <i>(white cord/bronze canopy)</i>
GR	Graphite <i>(white cord/graphite canopy)</i>
CC	Custom Color <i>(white cord/color match canopy)</i>

Fixture Options

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

AM	Antimicrobial Paint
DSP	Customer Supplied Battery/Driver/Sensor
GMF	Internal Slow Blow Fuse

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

BA	Buy America(n) Act and/or Build America Buy America Compliant
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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	OL2, OL4	None

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.

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. 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 LOFT configurations will not accommodate all voltage options; consult with factory.

Driver: Standard Driver Option is Advance 0-10V, 0% = 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 LOFT 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 LOFT 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.

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. Approved for dry/damp location unless otherwise noted.

Fixture Weight: 85 lbs maximum.

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