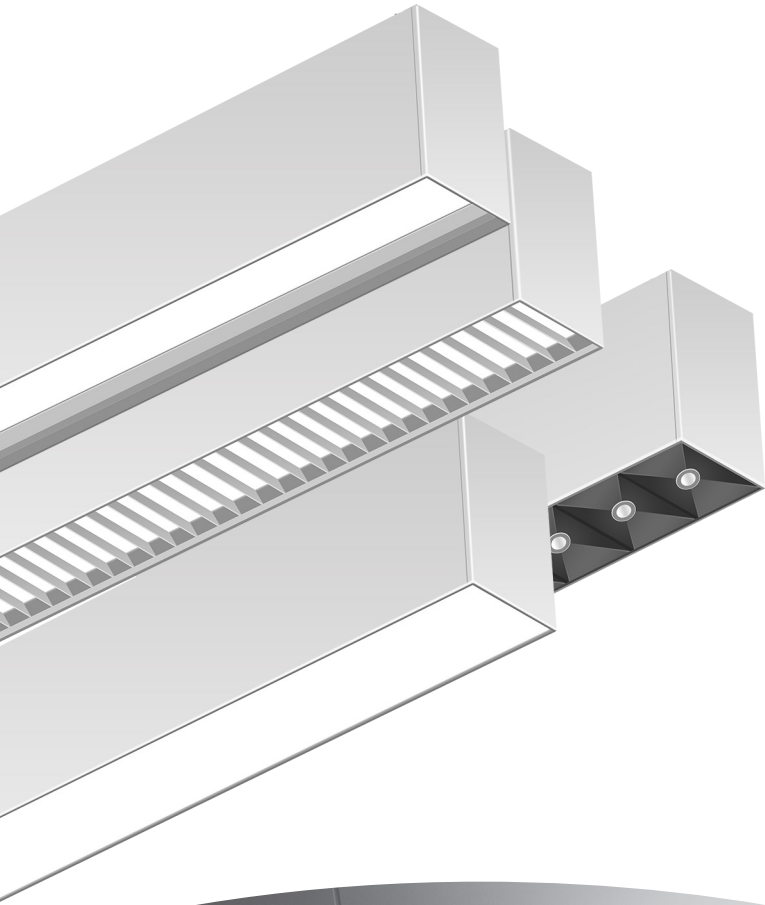


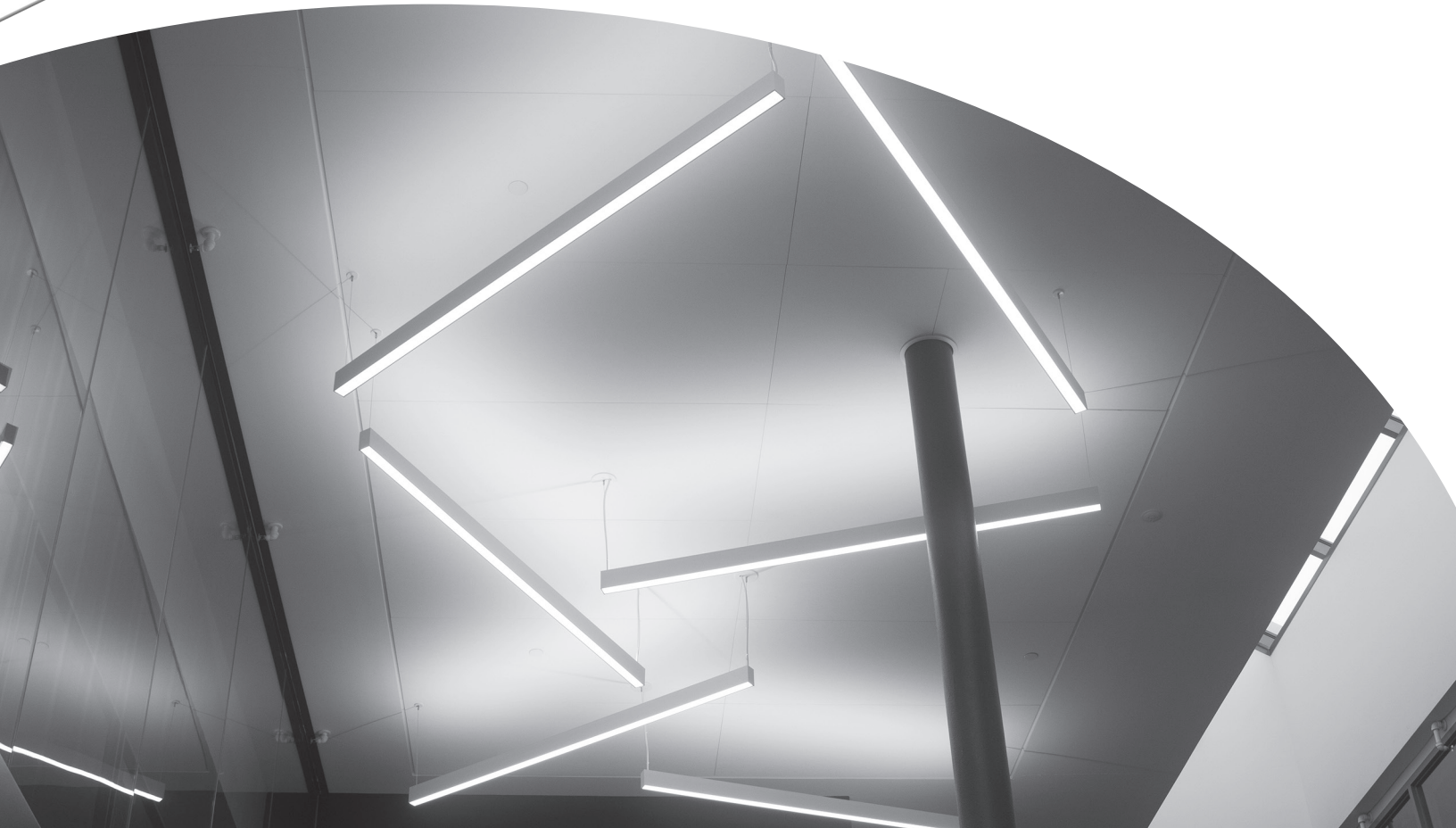
PacLights

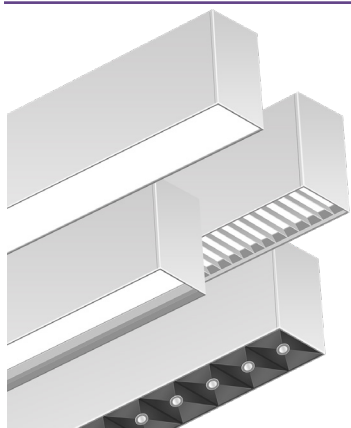
Commercial Lighting



The
FLNATM
Series

Direct Indirect Linear Lighting





Direct Indirect Linear Lighting



PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____



KEY FEATURES

- Multiple Lens options
- Direct / Indirect Light Distribution Selectable on selected models
- Color & Power Selectable on all models
- Multiple Mounting options
- Occupancy Sensor and Emergency Battery Backup options

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed

UL 1598 Suitable for damp locations

IESNA LM79 & LM-80 Testing

PacLights LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

LED CHARACTERISTICS

LEDs

Long-life, high-efficacy LEDs

Correlated Color Temperature

3000K, 3500K and 4000K selectable with a dip switch

Lifespan

60,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Color Rendering Index

82+ CRI; optional 90+ CRI

Color Uniformity

PacLights' range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017

OTHER

5-Year Limited Warranty**

The PacLights 5-year, limited warranty covers light output, driver performance and paint finish.

**PacLights's warranty is subject to all terms and conditions found at paclights.com/warranty

CONSTRUCTION

Ambient Temperature

Suitable for up to 50° C (122° F) ambient temperature

Cold Weather Starting

The minimum starting temperature is -4 F°/-20° C

Housing

Extruded aluminum housing. Powder coat finish.

Mounting Methods

Suspended mount (drywall or drop ceiling / T-grid), Surface mount, Wall mount, Recessed mount (with trim, trimless or T-grid ceiling).

Green Technology

Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

Lens

PMMA frosted (diffused lens, louver, regressed or wall wash options), or polycarbonate optic (micro optic louver option).

ELECTRICAL

Drivers

Input Voltage: 120-277V, 50-60 Hz

Power Factor : > 0.95, THD< 20%. 0-10V continuous dimming, can be dim to 10% (standard) or 1% (optional), and dim to off

Continuous Run

The FLNA fixtures are pre-wired for end-to-end connection (with optional connectors) for continuous runs - up to 40 feet on 120V, or up to 100 feet on 277V.

Wattage / Input Voltage/ Input Current

Wattage/power selectable with a dip switch. On selected models, Uplight (indirect light) and Downlight (direct light) output selectable with a dip switch.

Models	MAX Watt.	Watt. Selectable Levels	120v	208v	240v	277v
FLNA-2D-20/15/10	20w	20w-15w-10w	0.19A	0.11A	0.09A	0.08A
FLNA-3D-30/23/15	30w	30w-23w-15w	0.28A	0.16A	0.14A	0.12A
FLNA-4D-40/30/20	40w	40w-30w-20w	0.37A	0.21A	0.19A	0.16A
FLNA-8D-80/60/40	80w	80w-60w-40w	0.74A	0.43A	0.37A	0.32A

PERFORMANCE

	Lens	Length	Wattage	50% Direct / 50% Indirect		100% Direct	
				Lumen/Ft	Total Lumen	Lumen/Ft	Total Lumen
3000/3500/4000K Selectable	Diffused	2'	20/15/10W	1,200 lm/ft	2,400 lm	1,050 lm/ft	2,100 lm
		3'	30/23/15W		3,600 lm		3,150 lm
		4'	40/30/20W		4,800 lm		4,200 lm
		8'	80/60/40W		9,600 lm		8,400 lm
	Louver	2'	20/15/10W	950 lm/ft	1,900 lm	650 lm/ft	1,300 lm
		3'	30/23/15W		2,850 lm		1,950 lm
		4'	40/30/20W		3,800 lm		2,600 lm
		8'	80/60/40W		7,600 lm		5,200 lm
	Regressed	2'	20/15/10W	1,100 lm/ft	2,200 lm	900 lm/ft	1,800 lm
		3'	30/23/15W		3,300 lm		2,700 lm
		4'	40/30/20W		4,400 lm		3,600 lm
		8'	80/60/40W		8,800 lm		7,200 lm
	Micro Optic Louver	2'	20/15/10W	1,150 lm/ft	2,300 lm	900 lm/ft	1,800 lm
		3'	30/23/15W		3,450 lm		2,700 lm
		4'	40/30/20W		4,600 lm		3,600 lm
		8'	80/60/40W		9,200 lm		7,200 lm

Regressed

Diffused

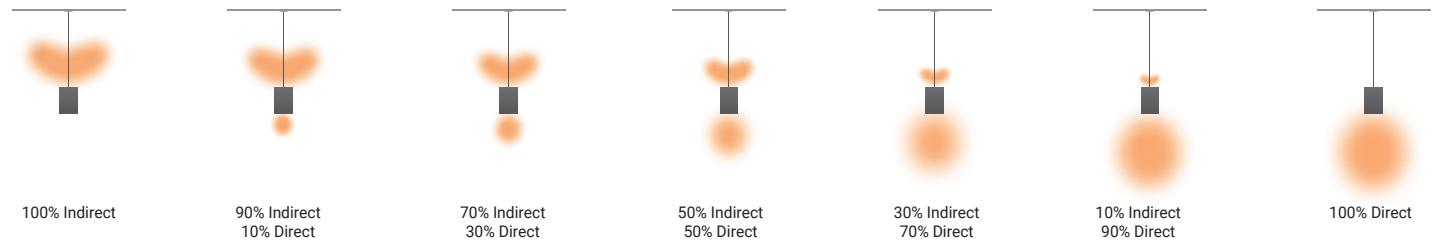
Micro Optic Louver

Louver

FEATURES

FIELD SELECTABLE DIRECT/INDIRECT DISTRIBUTION

On FLNA direct/indirect models, select the desired direct/indirect lumen distribution by sliding the respective dip switches to the desired value, direct light (down light) and indirect light (up light) percentage can be adjusted to 0%, 10%, 30%, 50%, 70% or 100%.



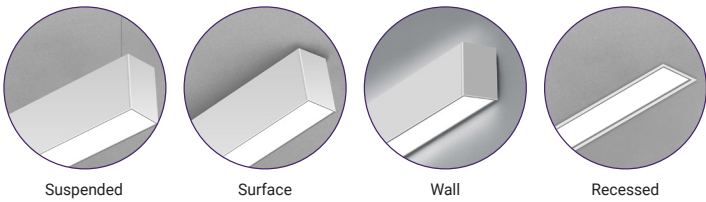
LENS OPTIONS

FLNA offers a range of lens options, including diffused, louver, regressed, micro-optic, and wall wash, to provide design flexibility and deliver precise lighting for even the most demanding specifications.



MOUNTING OPTIONS

FLNA can be suspended, surface-mounted, wall-mounted, or recessed, providing the flexibility to maintain a consistent and uniform design throughout the space.



FIELD SELECTABLE COLOR (CCT) AND POWER

Select the desired output power or light color temperature by sliding the respective Power or CCT Selection Switch left or right to the desired value. CCT can be adjusted to 3000/3500/4000K, and for each model Wattage/Lumen can be adjusted to the 3 different levels shown on the performance chart.

ORDERING INFORMATION

FLNA™

FAMILY	MODEL	CCT	LIGHT DISTRIBUTION	LENS	HOUSING COLOR	MOUNT	OPTION
FLNA	—		—		—		—

Create an ordering number by populating it with the CODE(s) listed in the tables below, following the format shown above.

Mounting, power cords, connectors, and all other accessories are sold separately and must be ordered using their respective part numbers.

EXAMPLE: FLNA - 4D - 40/30/20 - 30/35/40 - A - DF - WH - P

EXAMPLE: FLNA - 8D - 60 - 3000 - AD7U3 - LV - BL - S - EMB

EXAMPLE: FLNA - 3D - 30/23/15 - 4000 - D - MR - WH - R - WBN - 90CRI

MODEL

* Must select one. Performance see page 3.

CODE	LENGTH	WATTAGE	CODE	LENGTH	WATTAGE	CODE	LENGTH	WATTAGE	CODE	LENGTH	WATTAGE
2D-10	2 Ft	10w	3D-15	3 Ft	15w	4D-20	4 Ft	20w	8D-40	8 Ft	40w
2D-15		15w	3D-23		23w	4D-30		30w	8D-60		60w
2D-20		20w	3D-30		30w	4D-40		40w	8D-80		80w
2D-20/15/10		20/15/10w Selectable	3D-30/23/15		30/23/15w Selectable	4D-40/30/20		40/30/20w Selectable	8D-80/60/40		80/60/40w Selectable

CCT

* Must select one

CRI > 82, upgrade available to 90+ CRI, see OPTION

CODE	CCT
30/35/40	3000K/3500K/4000K Selectable
3000	3000K
3500	3500K
4000	4000K

LENS

* Must select one. See page 11-13



150° indirect light distribution on direct/indirect models

CODE	LENS
DF	Diffused Flat 110° direct
LV	Louver 80° direct
RL	Regressed 75° direct
MR	Micro Optic Louver 60° direct, UGR < 15
WW	Diffused Wall Wash 110° angled direct

LIGHT DISTRIBUTION & HOUSING DESIGN

* Must select one. See page 3.

Code starts with "A" = direct/indirect models, Code "D" = direct only models.

CODE	DOWNLIGHT (DIRECT)	UPLIGHT (INDIRECT)	HOUSING DESIGN
A	0/10/30/50/70/90% Selectable	100/90/70/50/30/10% Selectable	 Smooth Housing clean and minimalist
AD	100%	0%	
AD9U1	90%	10%	
AD7U3	70%	30%	
AD5U5	50%	50%	
AD3U7	30%	70%	
AD1U9	10%	90%	
AU	0%	100%	
D	100%	N/A	 Ribbed Housing horizontal detail grooves along the side

HOUSING COLOR

* Must select one

CODE	COLOR
WH	White
BL	Black
XX	Custom (special order) CUSTOM-PAINT

MOUNT

* Must select one. See page 5-6 to order mounting kits

For project reference only; mounting kits are NOT included, order separately. See page 5-6.

CODE	MOUNTING	COMPATIBLE LIGHT DISTRI.
P	Suspended	Any
S	Surface	Any
W	Wall	Any
R	Recessed	"D" only (with ribbed housing)

OPTION

* Select one or more; or leave blank

CODE	PART#	DESCRIPTION
WBN	KEILTON-FA102	Keilton Bluetooth Node
EMB*	AC-LNA-EMB	Emergency Battery Backup
90CRI	CUSTOM-90CRI	90+ CRI (special order)
DIM1P	CUSTOM-DIM1P	Dim to 1% (special order)

* EMB: Fixture Integrated; 1,000 Lumen; 8W; Emergency Runtime >90 mins. CA CEC TITLE 20 MODEL# BLD-CM20N-480800-8W

ACCESSORIES

* Order as separate part number
Create a part number by selecting the appropriate CODE(s) listed beneath each option box and assembling them according to the format shown.

POWER CORD

5-wires (L, N, G, dim+, dim-), w/ quick disconnect.

Order one per fixture, or one per run, when using suspended mounting (drywall or T-grid).

EXAMPLE: AC - LNA - PR - 4BL
EXAMPLE: AC - LNA - PR - 12WH

PART#	POWER CORD LENGTH	POWER CORD FINISH
AC-LNA-PR	<div></div>	<div></div>
	4 4 ft	WH White
	12 12 ft	BL Black

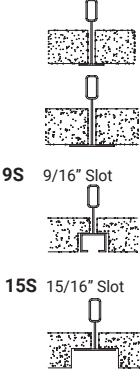
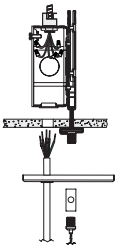

MOUNTING ACCESSORIES

T-GRID SUSPENDED MOUNTING KIT

This mounting kit allows the FLNA fixture to be securely mounted to a T-grid drop ceiling. It includes: one 4-inch power feed canopy, one 2-inch non-power feed canopy, aircraft cables, T-grid mounting clips, a junction box that attaches to the clip, and all necessary installation hardware.

EXAMPLE: AC - LNA - TK - RWHFL5
EXAMPLE: AC - LNA - TK - RBL9S12

PART#	CANOPY SHAPE	CANOPY FINISH	GRID TYPE	AIRCRAFT CABLE LENGTH
AC-LNA-TK	<div></div>	<div></div>	<div></div>	<div></div>
	R Round	WH White	FL 9/16" or 15/16" Flat	5 5 ft
	S Square	BL Black		12 12 ft



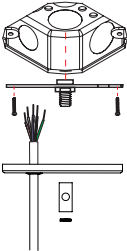

* power cord order separately. Refer to installation guide for detail.

DRYWALL SUSPENDED MOUNTING KIT

This mounting kit allows the FLNA fixture to be securely mounted to a dry-wall ceiling. It includes: one 4-inch power feed canopy, one 2-inch non-power feed canopy, aircraft cables, and all necessary installation hardware.

EXAMPLE: AC - LNA - DK - RBL5
EXAMPLE: AC - LNA - DK - SWH12

PART#	CANOPY SHAPE	CANOPY FINISH	AIRCRAFT CABLE LENGTH
AC-LNA-DK	<div></div>	<div></div>	<div></div>
	R Round	WH White	5 5 ft
	S Square	BL Black	12 12 ft



* junction box not included; power cord order separately. Refer to installation guide for detail.

RECESSED MOUNTING KIT *

This mounting kit secures the FLNA fixture in a recessed installation - either in drywall or T-grid drop ceilings - with the option of flanged trim or trimless for a clean, seamless look.

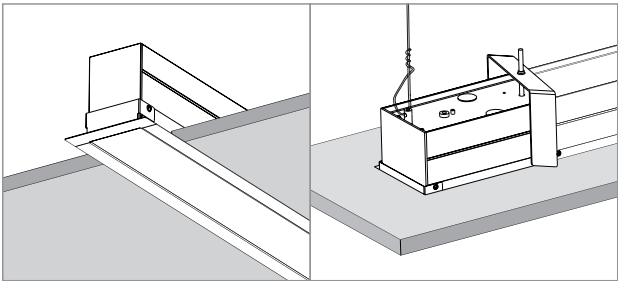
EXAMPLE: AC - LNA - RT4WH
EXAMPLE: AC - LNA - RH8

PART#	RECESS TYPE	LENGTH	FINISH#
AC-LNA			
	RT Flanged Trim	2 2 ft	WH# White
	RS Trimless	3 3 ft	BL# Black
	RH Trimless	4 4 ft	
	T-Grid Clips	8 8 ft	

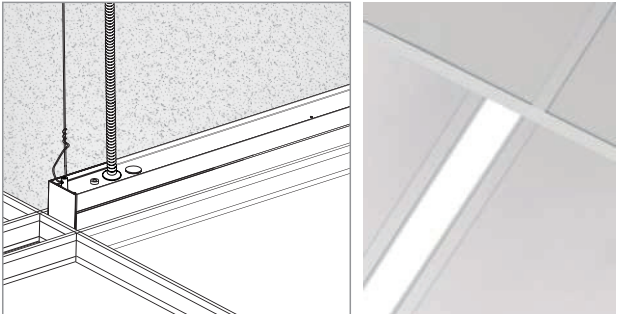
* the recessed mounting kit is only compatible with the FLNA with ribbed housing design (Lighting Distribution Code "D" - 100% direct lighting)

finish options not applicable for trimless recess types. Leave blank if order trimless.

Recessed Mount - Flanged Trim - Drywall Installation



Recessed Mount - Flanged Trim - T-grid Drop Ceiling Installation

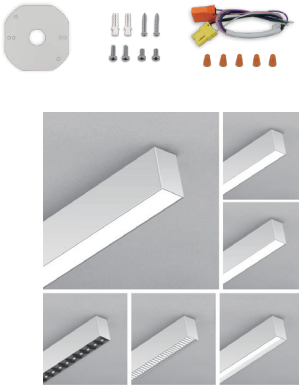


SURFACE MOUNTING KIT

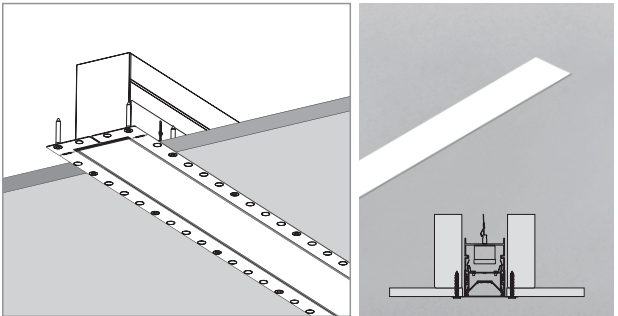
The surface mount kit includes a junction box cover, a 1' power cord, and all necessary hardware to securely mount the FLNA fixture to a flat surface.

EXAMPLE: AC - LNA - SM - WH

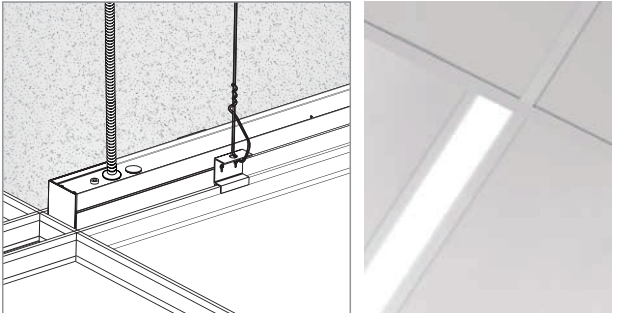
PART#	JB COVER FINISH
AC-LNA-SM	
	WH White
	BL Black



Recessed Mount - Trimless (Plaster-In) - Drywall Installation



Recessed Mount - Trimless T-Grid Clips - T-grid Drop Ceiling Installation



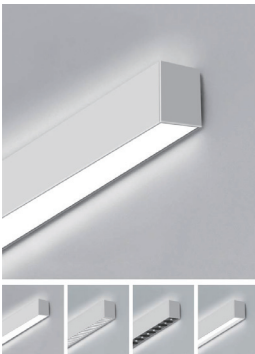
* for trimless continuous runs in a standard or existing T-grid ceiling, there may be a gap between the end of the fixture and the T-grid. This gap should be filled with ceiling tile for a clean, finished appearance.

WALL MOUNTING KIT

The wall mount kit includes a junction box cover, a 1' power cord, a wall bracket and all necessary hardware to securely mount the FLNA fixture to a wall.

EXAMPLE: AC - LNA - WM - WH

PART#	JB COVER FINISH
AC-LNA-WM	
	WH White
	BL Black



* Requires field disassembly and drilling, or specify "W" in the mount code when ordering FLNA to have it factory-installed.

EXTERNAL EMERGENCY BATTERY BACKUP



An external emergency battery backup (field-installed) can be used when an individual fixture, or all connected FLNA fixtures in a continuous run are intended to operate during a power outage. For continuous run, refer to the table below for applicable limitations and requirements.

Input voltage 120-277v, Emergency Run Time > 90 mins.

PART#	WATT	EMERGENCY LUMEN	MAXIMUM RUN WATTAGE	MAXIMUM RUN LENGTH
EMC-30	30w	up to 4,500 Lumen	300w	30ft
EMC-40	40w	up to 6,000 Lumen	400w	40ft
EMC-60	60w	up to 9,000 Lumen	400w (120v) or 600w (277v)	40ft (120v) or 60ft (277v)



OCCUPANCY & DAYLIGHT SENSOR CONTROL FOR PENDANT MOUNT



When the FLNA fixture is pendant mounted, the power feed canopy can be replaced with a High Frequency Microwave Occupancy & Daylight Sensor canopy assembly, enabling bi-level dimming with motion detection and daylight sensing capabilities.

PART#
AC-LNA-OCC

Specification *default setting

Sensitivity	25%/50%/75%/100%*
Hold Time (before dim)	10s*/1min/5min/15min
Daylight Threshold	10 lux / 30 lux* / 50 lux, or Disable
Stand-by Time(before turn off)	1min/30min/60min*, or Never
Stand-by Dimming Level	0%/10%/30%*/50%
Detection Height	up to 20ft
Detection Radius	up to 26ft



PART# AC-LNA-OCC

CONNECTORS

* Order as separate part number
With the use of connectors, FLNA fixtures can be configured in continuous runs or arranged into creative shapes. Both illuminated and non-illuminated connectors are available. Note that "direct/indirect" models use a different set of connectors than "direct only" models, verify compatibility before ordering.

NON-ILLUMINATED CONNECTOR ("DIRECT ONLY" MODELS)

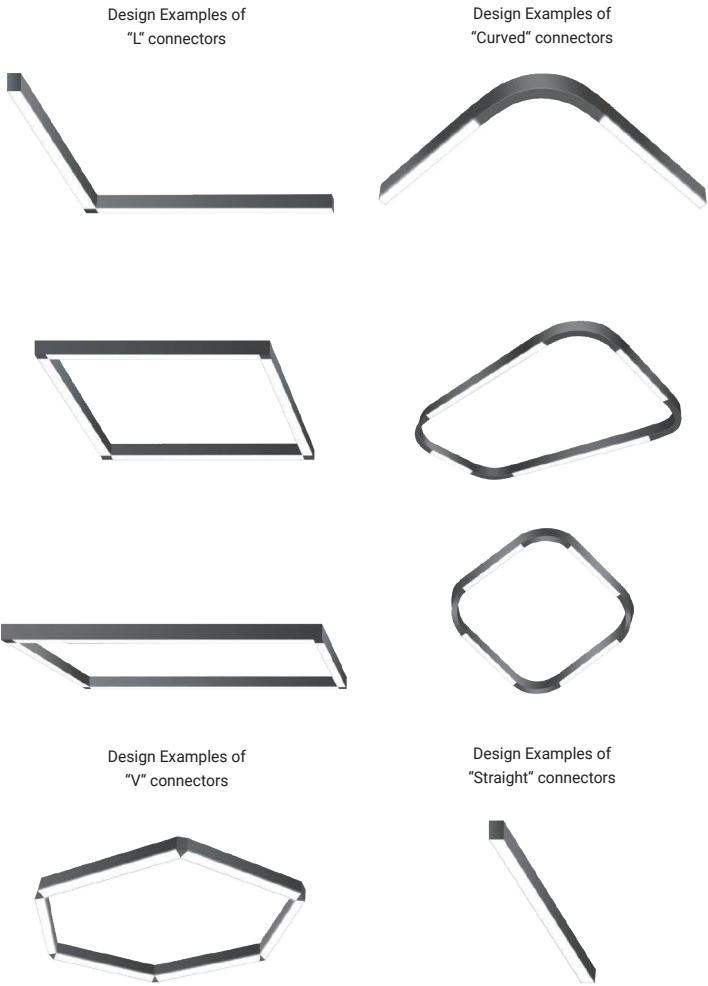
A non-illuminated connector is a joiner piece used to connect two FLNA light fixtures but without emitting any light itself. The connectors listed below are only compatible with DIRECT ONLY models that has a "Ribbed Housing" design.

SHAPE	FINISH	PART#
Straight (continuous run)	-	AC-LNA-JDS

NON-ILLUMINATED CONNECTOR ("DIRECT/INDIRECT" MODELS)

A non-illuminated connector is a joiner piece used to connect two FLNA light fixtures but without emitting any light itself. The connectors listed below are only compatible with DIRECT/INDIRECT models that has a "Smooth Housing" design.

SHAPE	FINISH	PART#	
Straight (continuous run)	-	AC-LNA-JAS	
L	White	AC-LNA-JAL-WH	
	Black	AC-LNA-JAL-BL	
T	White	AC-LNA-JAT-WH	
	Black	AC-LNA-JAT-BL	
V	White	AC-LNA-JAV-WH	
	Black	AC-LNA-JAV-BL	
X	White	AC-LNA-JAX-WH	
	Black	AC-LNA-JAX-BL	
Y	White	AC-LNA-JAY-WH	
	Black	AC-LNA-JAY-BL	
Z (360° rotatable *)	White	AC-LNA-JAZ-WH	
	Black	AC-LNA-JAZ-BL	
Curved (24"x24", 90°)	White	AC-LNA-JAC-WH	
	Black	AC-LNA-JAC-BL	



* the Z bracket enables the FLNA fixture to connect in straight lines or at angled turns, allowing for seamless transitions at any horizontal angle, whether across two plane or multiple planes.


ILLUMINATED CONNECTOR (“DIRECT/INDIRECT” MODELS)

An illuminated connector is a joiner piece used to connect two FLNA light fixtures and emitting light by itself.

The connectors listed below are only compatible with DIRECT/INDIRECT models that has a “Smooth Housing” design.

Although these connectors do not include an indirect (uplight) module, their direct (downlight) output can be selected from 10% / 30% / 50% / 70% / 90% / 100% to match the rest of the FLNA fixtures in the same run.

SHAPE	FINISH	PART#
Curved (24"x24", 90°) 2,700 lumen 30/23/15w 30/35/4000K	White	AC-LNA-JACL-WH
	Black	AC-LNA-JACL-BL



LENS ROLL

If a seamless lens is desired for a continuous run of FLNA fixtures, an optional 40ft lens roll can be installed by replacing the original individual lenses.

EXAMPLE: AC - LNA - LDF

PART#	LENS TYPE
AC-LNA	
LDF	Diffused Flat
LRL	Regressed
LWW	Wall wash
LSC	Silicon*



* the silicone lens roll is specifically designed for applications involving illuminated curved connectors. It reduces the direct (downward) light output by approximately 20%.

ILLUMINATED CONNECTOR (RECESSED MODELS)

An illuminated connector is a joiner piece used to connect two FLNA light fixtures and emitting light by itself.

The connectors listed below are only compatible with DIRECT ONLY models that has a “Ribbed Housing” design, and are specifically designed for FLNA fixtures when installed in RECESSED applications, ensuring proper fit and seamless integration.

The connector includes an LED module powered by the FLNA fixtures it connects to at each end, ensuring it matches their output and CCT. It does not contain its own LED driver.

SHAPE	TYPE	LENS	FINISH	PART#
L	Flanged Trim	Regressed	White	AC-LNA-JDLLR-WH
			Black	AC-LNA-JDLLR-BL
	Diffused Flat		White	AC-LNA-JDLLF-WH
			Black	AC-LNA-JDLLF-BL
	Trimless (Plaster-In)		-	AC-LNA-JDLLFN

DIMENSIONS

DIRECT / INDIRECT MODELS

DIRECT/INDIRECT

2

23-11/16"

2-5/16"

3-7/16"

3

35-11/16"

4

47-3/4"

8

95-1/4"

MOUNTING OPTIONS

Pendant Suspended

Surface Mount

Wall Mount

DIRECT ONLY MODELS

DIRECT ONLY

2

23-11/16"

2-5/16"

3-7/16"

3

35-11/16"

4

47-3/4"

8

95-1/4"

MOUNTING OPTIONS

Pendant Suspended

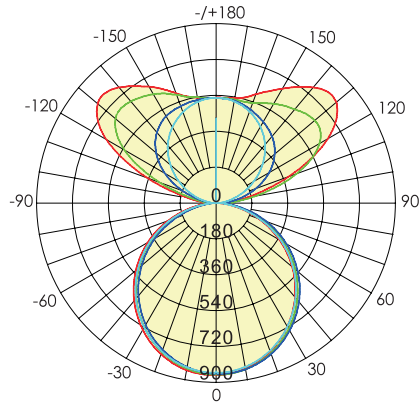
Surface Mount

Wall Mount

Recessed

PHOTOMETRICS

4 FT, DIFFUSED FLAT LENS, 50% DIRECT 50% INDIRECT, 4000K



Lumens: 4739.1 Lm
Watts: 40 W
LPW: 118.48 Lm/W
CCT: 4000K

UNIT: cd
— C0/180, 360°
— C30/210, 360°
— C60/240, 360°
— C90/270, 360°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
10	844.1	849.1	835.1	821.8	851.1
20	792.8	807.2	788.8	762.5	807.4
30	716.2	737.2	715.9	677.7	735.6
40	616.1	644.0	619.9	572.8	639.9
50	499.2	530.9	505.0	451.3	525.8
60	365.3	402.1	374.7	315.6	395.8
70	224.4	260.6	232.0	174.7	254.3
80	90.07	120.5	95.53	51.77	117.0
90	39.69	49.44	5.334	21.91	41.89
100	151.2	163.7	51.22	102.9	136.5
110	384.4	328.2	131.1	278.8	362.9
120	647.4	443.0	219.3	441.8	634.5
130	787.6	497.4	305.2	530.7	775.5
140	758.4	518.4	382.3	561.8	757.7
150	663.4	517.6	443.7	564.1	675.3
160	581.3	514.0	489.8	540.6	586.6
170	534.3	524.9	518.7	530.1	537.2
180	529.9	529.8	529.8	529.8	529.9
DEG	LUMINOUS INTENSITY:cd				

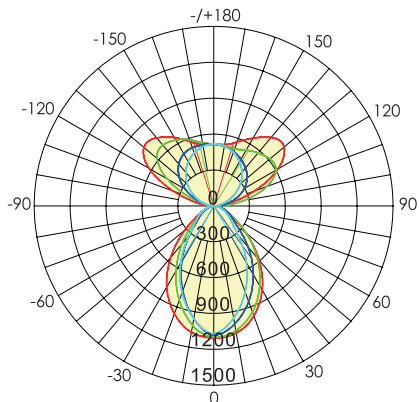
Zonal Lumens

τ	φ total
0-10	80.98
10-20	312.7
20-30	663.4
30-40	1086
40-50	1525
50-60	1924
60-70	2230
70-80	2408
80-90	2466
90-100	2533
100-110	2730
110-120	3081
120-130	3517
130-140	3940
140-150	4287
150-160	4539
160-170	4689
170-180	4739
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	5888	6535
80	7204	7641
75	8283	8654
70	9112	9422
65	9708	10024
60	10148	10409
55	10512	10690
50	10787	10912
45	10988	11085

4 FT, LOUVER LENS, 50% DIRECT 50% INDIRECT, 4000K



Lumens: 3865.5 Lm
Watts: 40 W
LPW: 96.64 Lm/W
CCT: 4000K

UNIT: cd
— C0/180, 324.8°
— C30/210, 314.8°
— C60/240, 65.6°
— C90/270, 61.7°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
10	1080	1035	954.1	927.2	1072
20	979.0	906.2	768.3	723.1	961.9
30	812.0	730.3	548.8	499.4	787.4
40	591.3	522.4	316.4	290.5	560.6
50	351.7	316.7	194.1	152.0	319.5
60	160.0	176.7	126.5	85.60	138.9
70	83.27	105.6	73.47	38.44	73.07
80	32.44	53.30	31.05	2.405	25.50
90	29.54	66.04	1.446	0.4677	28.35
100	133.0	190.9	43.89	68.63	129.1
110	355.3	337.7	121.1	230.3	353.8
120	619.5	430.1	208.1	409.1	623.0
130	768.4	471.2	292.9	520.3	762.4
140	748.7	488.8	368.7	559.9	743.5
150	654.4	489.0	431.7	567.4	661.0
160	570.4	497.4	477.9	544.6	571.4
170	521.3	510.4	508.1	524.3	523.3
180	516.7	516.6	516.5	516.6	516.7
DEG	LUMINOUS INTENSITY:cd				

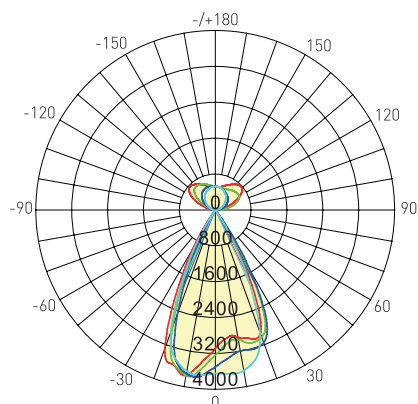
Zonal Lumens

τ	φ total
0-10	99.25
10-20	361.0
20-30	707.3
30-40	1047
40-50	1308
50-60	1483
60-70	1590
70-80	1647
80-90	1672
90-100	1734
100-110	1919
110-120	2252
120-130	2672
130-140	3082
140-150	3422
150-160	3669
160-170	3816
170-180	3866
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	2227	2085
80	2595	2483
75	2967	2740
70	3381	2983
65	3871	3236
60	4444	3513
55	5907	3834
50	7599	4195
45	9253	4620

4 FT, MICRO OPTIC LOUVER LENS, 50% DIRECT 50% INDIRECT, 4000K



Lumens: 4530.0 Lm
Watts: 40 W
LPW: 113.25 Lm/W
CCT: 4000K

UNIT: cd
— C0/180, 51.8°
— C30/210, 51.9°
— C60/240, 51.1°
— C90/270, 49.5°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
10	2880	3036	3634	3615	3745
20	2939	3141	2911	1757	3294
30	819.2	1675	767.6	84.95	1038
40	5.200	38.70	6.196	3.696	5.573
50	2.820	3.517	1.928	1.993	3.010
60	1.700	1.590	0.8656	1.277	1.783
70	1.244	0.8401	0.6042	0.9728	1.231
80	0.6716	0.5905	0.3831	0.7114	0.7084
90	30.98	71.66	0.2141	0.0995	29.17
100	142.1	225.0	44.13	62.52	127.1
110	372.9	363.9	121.7	217.7	351.7
120	635.7	442.3	209.3	395.6	622.1
130	775.0	475.8	294.3	511.7	761.3
140	747.9	487.4	371.4	557.4	744.0
150	655.7	488.6	438.3	571.1	664.9
160	575.3	503.6	486.8	554.1	577.9
170	529.8	517.2	519.4	534.1	531.5
180	526.1	525.7	525.2	525.2	526.1
DEG	LUMINOUS INTENSITY:cd				

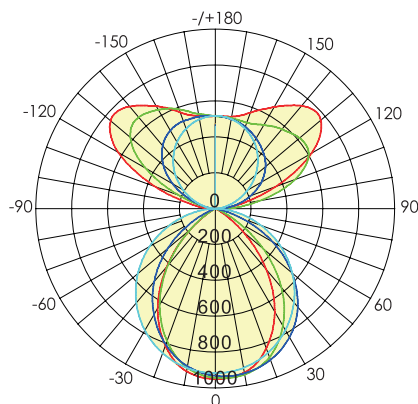
Zonal Lumens

τ	φ total
0-10	328.5
10-20	1229
20-30	2096
30-40	2302
40-50	2307
50-60	2309
60-70	2310
70-80	2311
80-90	2320
90-100	2386
100-110	2576
110-120	2909
120-130	3327
130-140	3737
140-150	4079
150-160	4329
160-170	4480
170-180	4530
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	86	40
80	54	31
75	50	27
70	50	25
65	48	24
60	47	24
55	50	29
50	61	42
45	76	59

4 FT, REGRESSED LENS, 50% DIRECT 50% INDIRECT, 4000K



Lumens: 4070.6 Lm
Watts: 40 W
LPW: 101.77 Lm/W
CCT: 4000K

UNIT: cd
— C0/180, 360°
— C30/210, 360°
— C60/240, 360°
— C90/270, 360°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
10	928.1	938.5	901.8	838.4	921.2
20	829.8	899.4	855.9	712.6	814.6
30	663.4	806.8	781.9	546.8	643.6
40	442.7	657.8	682.4	347.7	418.9
50	204.9	466.2	560.3	143.4	181.6
60	27.77	244.0	420.8	10.84	16.86
70	2.630	47.83	268.2	1.816	2.600
80	1.065	1.703	117.4	0.7295	1.033
90	29.42	53.07	1.509	0.3989	28.29
100	132.9	190.9	44.10	68.59	129.0
110	355.1	337.7	121.5	230.3	353.6
120	619.3	430.1	208.7	409.3	622.8
130	768.2	471.2	293.6	520.7	762.1
140	748.5	488.9	369.4	560.2	743.3
150	654.2	489.1	432.2	567.7	660.9
160	570.3	497.3	478.0	544.8	571.3
170	521.2	510.3	508.1	524.4	523.2
180	516.6	516.4	516.4	516.4	516.6
DEG	LUMINOUS INTENSITY:cd				

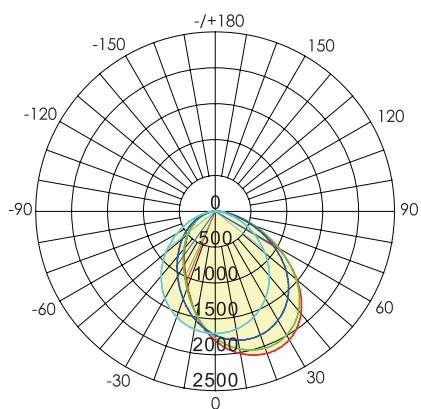
Zonal Lumens

τ	φ total
5-10	87.59
15-20	334.1
25-30	691.8
35-40	1088
45-50	1441
55-60	1686
65-70	1815
75-80	1862
85-90	1875
95-100	1936
105-110	2122
115-120	2455
125-130	2876
135-140	3287
145-150	3627
155-160	3874
165-170	4021
175-180	4071
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	119	7843
80	85	9390
75	92	10237
70	107	10891
65	135	11369
60	771	11690
55	2455	11935
50	4427	12107
45	6332	12253

4 FT, WALL WASH LENS, 100% DIRECT, 4000K



Lumens: 4602.1 Lm
Watts: 41.95 W
LPW: 109.71 Lm/W
CCT: 4000K

UNIT: cd
— C0/180, 81.4°
— C30/210, 85°
— C60/240, 95.3°
— C90/270, 103.8°

Zonal Flux Diagram

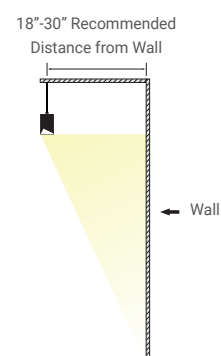
τ	C0	C45	C90	C135	C180
10	2010	1892	1670	1472	1483
20	2106	1945	1568	1184	1126
30	2066	1891	1398	927.9	861.6
40	1860	1716	1174	715.0	661.5
50	1489	1408	904.0	528.6	494.0
60	1086	996.3	622.2	361.1	345.2
70	553.6	571.0	356.6	210.1	208.9
80	213.5	226.9	137.6	82.39	92.18
90	14.38	17.50	1.568	1.378	4.851
100	5.281	2.620	0.6399	0.9592	0.9344
110	1.389	0.8569	1.168	1.720	1.700
120	1.055	1.211	1.816	2.574	2.615
130	1.424	1.613	2.405	3.370	3.507
140	1.853	2.077	2.993	3.994	4.244
150	2.385	2.631	3.488	4.418	4.753
160	3.118	3.275	3.898	4.626	5.061
170	4.023	3.919	4.192	4.626	5.093
180	4.706	4.381	4.215	4.300	4.720
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

τ	φ total
0-10	163.5
10-20	625.8
20-30	1318
30-40	2145
40-50	2988
50-60	3717
60-70	4233
70-80	4509
80-90	4586
90-100	4590
100-110	4591
110-120	4593
120-130	4595
130-140	4597
140-150	4599
150-160	4061
160-170	4062
170-180	4062
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	14792	9050
80	17074	11003
75	19709	12753
70	22480	14479
65	25273	15947
60	28006	17283
55	30421	18643
50	32173	19532
45	33247	20509



NETWORKED CONTROLS MADE EASY

Keilton+autani Networked Controls, a DLC® Qualified Networked Lighting Controls Product, make it easy for facilities to save energy, improve occupancy comfort and achieve code compliance by adding Luminaire Level Lighting Controls (LLLC) to indoor and outdoor applications. It allows for easy field installation of sensors and network nodes with selected PacLights controls ready fixtures. Using the Keilton app, nodes can be commissioned without the need for a gateway or internet access.

Keilton
+ autani



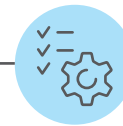
A Cost-Effective Decentralized Architecture

Direct Mobile Device Provisioning

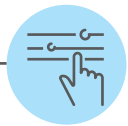
Best-In-Class Scale, Performance & Reliability



INSTALL



COMMISSION



CONTROL



LEARN MORE, VISIT
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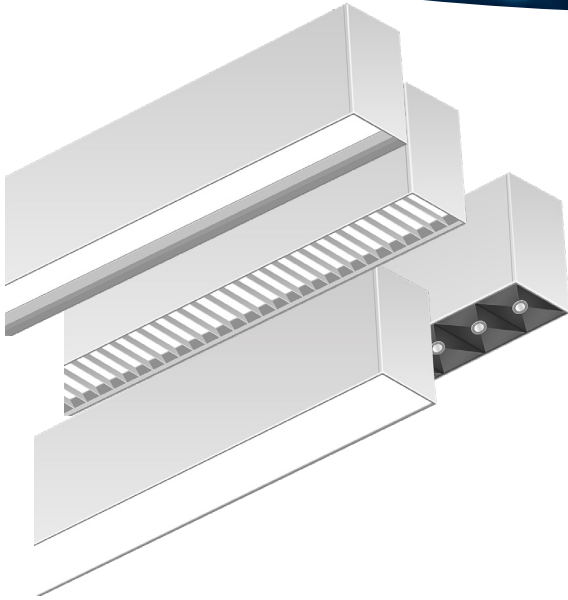


FEATURES

- Luminaire Level Lighting Control (LLLC)
- Bluetooth-enabled Mesh Networking of Luminaires and Devices
- Individual Addressability, address individual or multiple luminaires
- High-end and Low-end Trim
- Zoning & Grouping
 - ◊ Add and control up to 100 devices per zone
 - ◊ Add unlimited zones to scale for bigger installation
 - ◊ Create unlimited groups (combination of sensor or network nodes) within a zone
 - ◊ Link and control the whole group or zone
- Scene control
 - ◊ Create and link scenes to individual lights or groups within a zone
 - ◊ Select scene with App or wall switch
- Time Scheduling for individual lights, groups or scenes
- Sensors integrated with BLE, occupancy and daylight sensing
- Multi-level Dimming, Daylight Harvesting and Occupancy controls
- Manual/Automatic ON/OFF and Automatic partial ON/OFF control capability
- Control with wireless wall switch or smart device
- Secure commissioning with Keilton App
- Up to 100 ft node-to-node and 50 ft node-to-device
- Demand Response option (works with OpenADR gateways)
- Controlled 120v 20A Receptacle available
- Other control features to meet code compliance




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DLC and its logo is a trademark of DesignLights Consortium.
Keilton is the qualified system name listed on the DLC Networked Lighting Controls QPL.



NETWORKED CONTROLS for FLNA series

PacLights

NETWORKED NODES ONLY

SKU	DESCRIPTION	FUNCTION	CONTROL ORDER CODE
KEILTON-FA102	 KEILTON FA102 DC BLUETOOTH MESH NODE	Enable network controlled - on & off, dim, trim, zone, group, scene & schedule, etc.	-WBN

* factory installed

WORKS WITH WIRELESS CEILING SENSOR



PART# KEILTON-CS107D
Dual Tech (PIR & Ultrasonic) & Daylight Sensor
120-277v, Bluetooth Networked



PART# KEILTON-BCS107
PIR & Daylight Sensor
Battery Powered, Bluetooth Networked



PART# KEILTON-CS107S
PIR Sensor
120-277v, Bluetooth Networked

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Keilton is the qualified system name listed on the DLC Networked Lighting Controls QPL.