LIRON LIGHTING

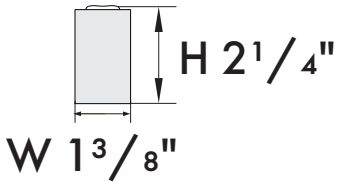
ALA1 Linear Series

LED Suspended Direct Pattern Run Luminaire

Fixture Type:
Project Name:
Location:
Date:

Features:

-1 3/8" Wide advance architectural linear luminaire available in 2FT, 4FT and 8FT
- Direct lighting distribution
- 4 Lens options
- Various mounting option include suspended mount, wall mount and surface mount - see other spec sheet
-Seamless pattern runs with standard L / T /Cross /Y/ V shape or custom pattern
- 120V continuous run up to 40FT and 277V up to 100FT



Product Performance Standard

Size	2FT/4FT/8FT	**Power Factor**	>0.9
Weight	3.75lb/6.1lb/12.5lb	**Life Span**	50,000 Hrs
Mounting	Suspended Mount	**Dimmable**	1-10V Dimming
Color Temp	3000K/3500K/4000K	**Efficacy**	105lm/W
CRI	80	**Warranty**	5 Years
Input Voltage	120-277V	**Ambient Operation Temperature**	0C° (32°F) ~40C °(104°F)

Ordering Guide - (Linear suspended direct linear run luminaire)

STEP 1

Fixture	Lens	CCT	Finish	Linear Feet
ALA1 Down light Version	D = diffuser C = Conves L = Louver R = Reflector	30K = 3000K 35K = 3500K 40K = 4000K	WH = White BK = Black	Nominal linear feet = In increments of 2'. fixture lengths com in 2'/4'/8' 120V continuous run up to 40 FT 277V continuous run up to 100 FT

⇩ Continue the ordering steps on the next page.

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Fixture Type:
Project Name:
Location:
Date:

Ceiling Type

STEP 2 - Please specify the ceiling type

****Ceiling type**

Dry Wall Ceiling Canopy

*AL-DWR4 ☐
= 4″ Round drywall Canopy

*AL-DWR2 ☐
= 2″ Square drywall Canopy

*AL-DWS4 ☐
= 4″ Square drywall Canopy

*AL-DWS2 ☐
= 2″ Round drywall Canopy

Drop Ceiling/on Grid

AL-TBR9F4 ☐
= T-Grid 9/16 Flat 4″ Round canopy

AL-TBR9F2 ☐
= T-Grid 9/16 Flat 2″ Round canopy

AL-TRS9S4 ☐
= T-Grid 9/16 Slot 4″ Round canopy

AL-TRS9S2 ☐
= T-Grid 9/16 Slot 2″ Round canopy

AL-TRB9F4 ☐
= T-Grid 15/16 Flat 4″Round canopy

AL-TBR15F2 ☐
= T-Grid 15/16 Flat 2″ Round canopy

AL-TBS15S4 ☐
= T-Grid 9/16 Slot 4″ Round canopy

AL-TBS15S2 ☐
= T-Grid 9/16 Slot 2″ Round canopy

Note: ** See page 4 for detailed ceiling type.
* 4″ is power feed canopy, 2″ is non power feed canopy.
Please specify if need to be custom.

Pattern Connector - Nominal Linear FT Accessories

STEP - 3

Pattern Connector - Nominal Linear FT

	A′	B′	C′	D′
*ALA-CC = Cross Connector	☐	☐	☐	☐
*ALA-YC = Y Connector	☐	☐	☐	X
*ALA-VC = V Connector	☐	☐	X	X
*ALA-TC = T Connector	☐	☐	☐	X
*ALA-LC = L Connector	☐	☐	X	X

C = Custom Pattern

Note: See Page 5 for ordering example.

Optional

STEP - 4

Emergency Battery Backup

EM = 8W Emergency battery backup
(A-EMBK8WLV-EXT)

Note: *Standard 1 EM PER RUN.
Not available in 2′ fixtures.

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Fixture Type:
Project Name:
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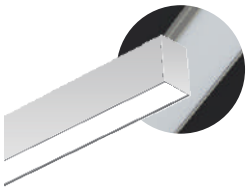
Date:

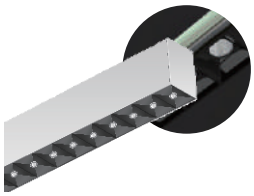
Performance Data:

Lens	Diffuser	Louver	Micro Reflector	Convex
Lengths	2ft , 4ft , 8ft	2ft , 4ft , 8ft	2ft , 4ft , 8ft	2ft , 4ft , 8ft
Wattage	20W/40W/80W	20W/40W/80W	20W/40W/80W	20W/40W/80W
Efficacy	75 lm/W	67 lm/W	100 lm/W	90 lm/W
Beam Angle	Down 100°	Down 60°	Down 48°	Down 110°

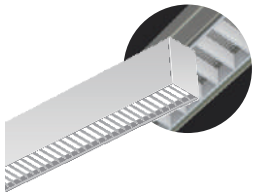
Lens:



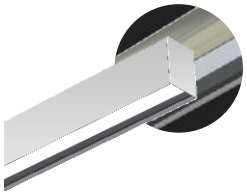
Diffuser
(-D)



Micro Reflector
(-R)

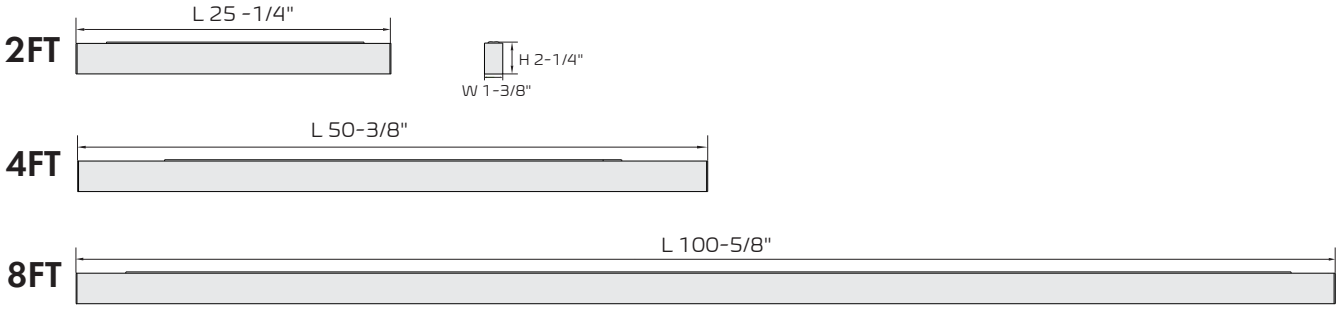


Louver
(-L)



Convex Lens
(-C)

Dimensions:



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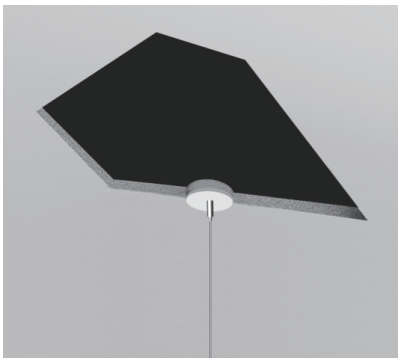
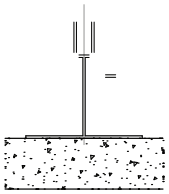
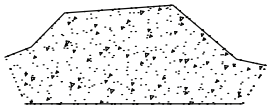
Ceiling Type:



Drop Ceiling / Off Grid



Sheetrock

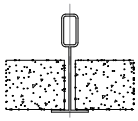


Various "Hard Ceilings"

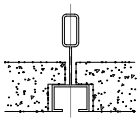
Drop Ceiling/Off Grid

Compatible for various T grid

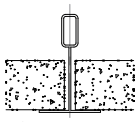
- 9/16" Flat
- 15/16"Flat
- 9/16" Slot
- 15/16"Slot



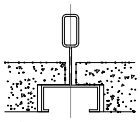
9/16" Flat Ceiling



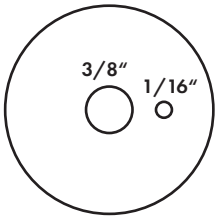
9/16" Step Ceiling



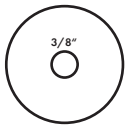
15/16" Flat Ceiling



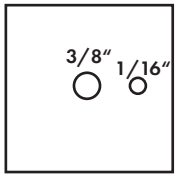
15/16" Step Ceiling



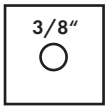
4" Power Feed
Round Canopy
(-AL-DWR4)



2" Non-Feed
Round Canopy
(-AL-DWR2)



4" Power Feed
Square Canopy
(-AL-DWS4)



2" Non-Feed
Square Canopy
(-AL-DWS2)

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Fixture Type:
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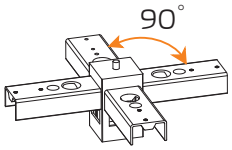
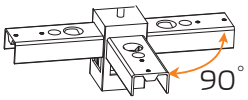
Date:

Pattern Connector:



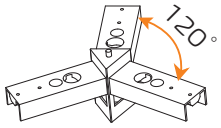
Cross Connector

Provide A/B/C/D dimension
Example: A=4′, B=4′, C=4′, D=4′
Part number:
ALA1-D-35K-AL-DWR44-WH-ALA-CC4444



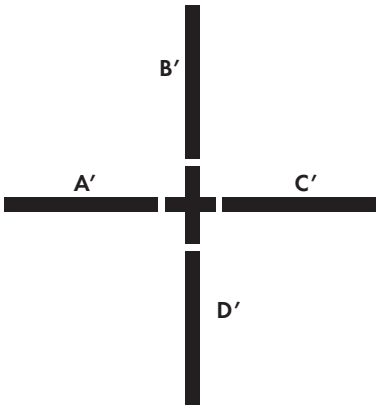
T Shape Connector

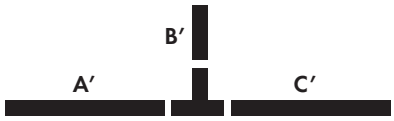
Provide A/B/C dimension
Example: A=4′, B=2′, C=4′
Part number:
ALA1-D-35K-AL-DWR44-WH-ALA-TC424

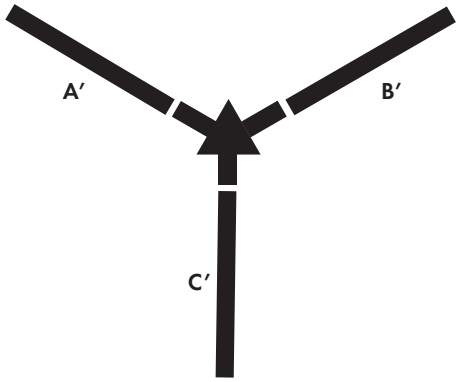


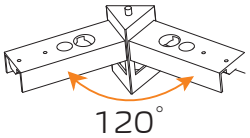
Y Shape Connector

Provide A/B/C dimension
Example: A=4′, B=4′, C=4′
Part number:
ALA1-D-35K-AL-DWR44-WH-ALA-YC444



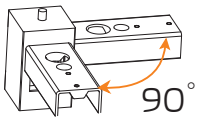






V Shape Connector

Provide A/B dimension
Example: A=4′, B=4′
Part number:
ALA1-D-35K-AL-DWR44-WH-ALA-VC44

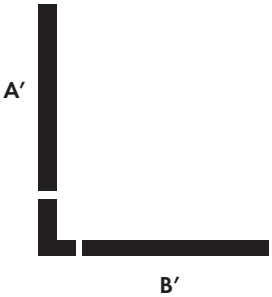


L Shape Connector

Provide A/B dimension
Example: A=4′, B=4′
Part number:
ALA1-D-35K-AL-DWR44-WH-ALA-lC44

Standard pattern shape
Mounting Points:

25.56″ for 2′ fixture
50.64″ for 4′ fixture
100.92″ for 8′ fixture



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Fixture Type:
Project Name:
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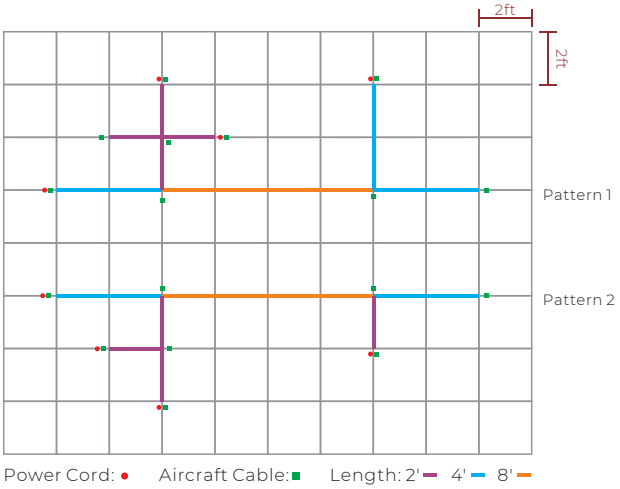
Date:

Custom Pattern:

Example Custom Pattern Chart

Pattern No.	Run Configuration	Connector		5' Power Cable	5' Aircraft Cable	4.5'' Canopy (Designed for power cable)	1.6'' Canopy
		T	+				
1	8'+4'+4'+4'+2'+2'+2'+2'	2	1	4	9	4	5
2	8'+4'+4'+2'+2'+2'+2'	3	0	4	8	4	4



2FT

2FT

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Example Continue Runs Chart:

120Vac: Connections up to 40 ft
277Vac: Connections up to 100ft

Luminaire Run Length (ft)	Run Configuration	Line Joiner	5' Power Cable	5' Aircraft Cable	Canopy
2	2'	-	1	2	2
4	4'	-	1	2	2
6	4'+2'	1	1	3	3
8	8'	-	1	2	2
10	8'+2'	1	1	3	3
12	8'+4'	1	1	3	3
14	8'+4'+2'	2	1	4	4
16	8'+8'	1	1	3	3
18	8'+8'+2'	2	1	4	4
20	8'+8'+4'	2	1	4	4
22	8'+8'+4'+2'	3	1	5	5
24	8'+8'+8'	2	1	4	4
26	8'+8'+8'+2'	3	1	5	5
28	8'+8'+8'+4'	3	1	5	5
30	8'+8'+8'+4'+2'	4	1	6	6
32	8'+8'+8'+8'	3	1	5	5
34	8'+8'+8'+8'+2'	4	1	6	6
36	8'+8'+8'+8'+4'	4	1	6	6
38	8'+8'+8'+8'+4'+2'	5	1	7	7
40	8'+8'+8'+8'+8'	4	1	6	6
42	8'+8'+8'+8'+8'+2'	5	2	7	7
44	8'+8'+8'+8'+8'+4'	5	2	7	7
46	8'+8'+8'+8'+8'+4'+2'	6	2	8	8
48	8'+8'+8'+8'+8'+8'	5	2	7	7

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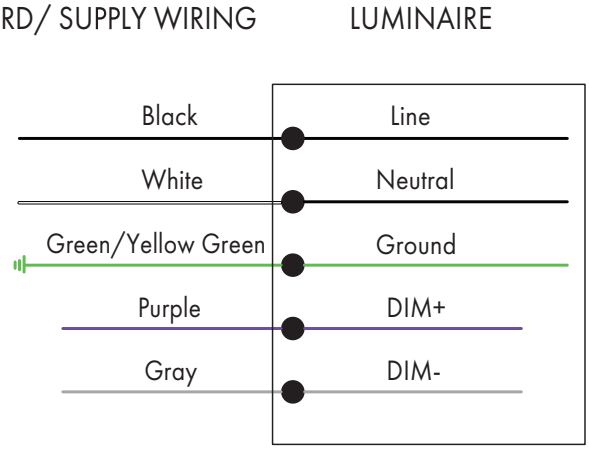
Wiring Diagram



Scan the QR code or visit https://lironlighting.com/products/ledala for the complete luminaire installation guide.

Note:

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