

Allura M (Moda)

LED - Premium-Grade Suspended Linear Luminaire

Project:	Catalogue #:	Type:
Notes:		

Product Description

The chic Allura Moda features a slim profile and provides the optimal balance between uniform and glare-free task lighting. This direct/indirect luminaire enhances visual comfort without sacrificing performance.

Applications

Boardrooms, Corridors, Classrooms, Studio Lofts, Offices



Features

- Slim, linear profile
- Suitable for row-mounting
- Clear lens with debris shield
- Standard low voltage dimming (0-10v, 1%)

Featured Options

- Multiple distribution configurations
- Two aperture designs
- Emergency lighting battery pack
- IOT integrated wireless solutions

Optical System

Frosted acrylic diffuser offer high levels of efficiency and visual comfort. The bi-directional optics provide a wide, uniform light distribution. Standard distribution is 75% up and 25% down (see options for other distributions).

Mounting

Adjustable aircraft cable mounting system used at each hanging location.

Construction

Precision-formed steel housing assembly. Standard downlight aperture is rectangular opening (see options for oval aperture).

Finish

White, polyester powder painted housing.

Electrical

Long life LEDs coupled with high efficiency drivers provide quality illumination. Rated to deliver L80 performance > 50,000 hours.

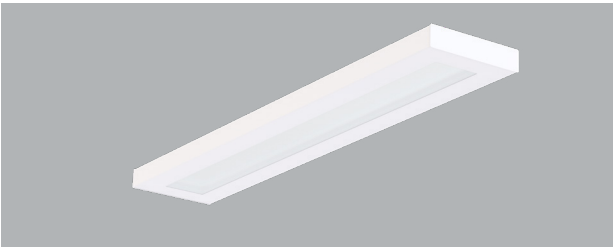
Warranty

5 year limited warranty. For complete warranty, click here:

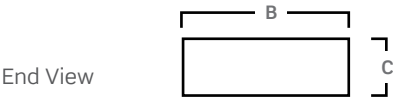
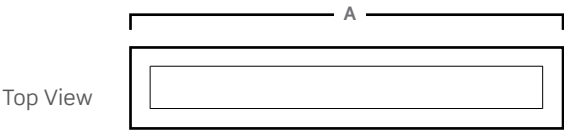


Approvals

- Approved to ETL listed standards.
- Suitable for damp locations



Dimensions



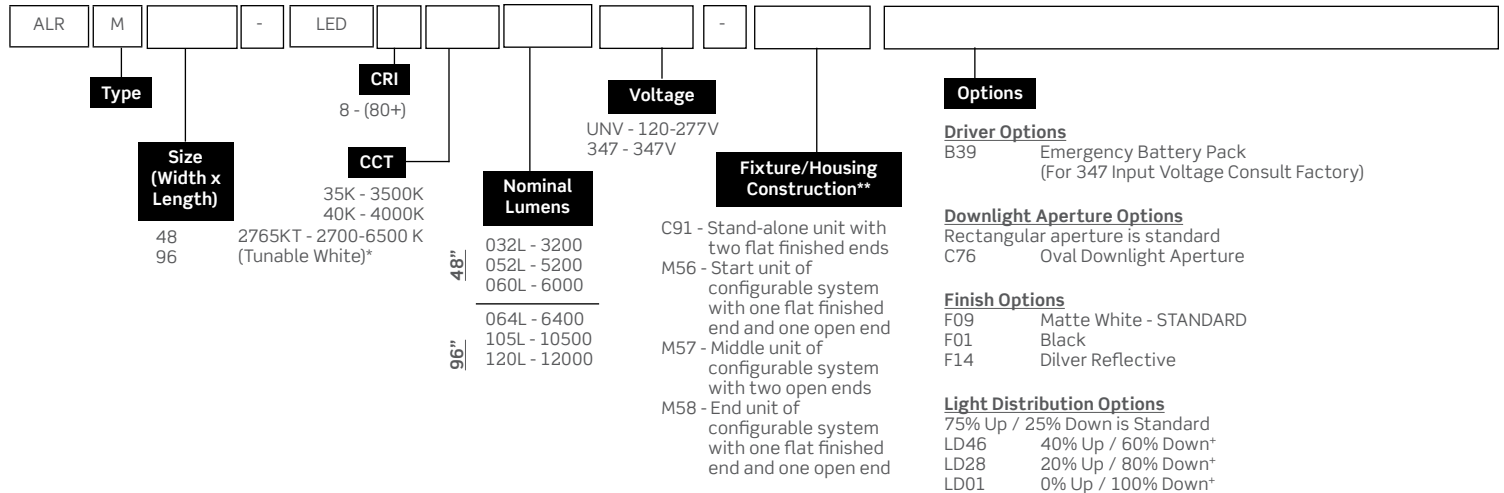
Size	A	B	C
48	48"	9"	2"
96	96"	9"	2"

Consult installation guide for exact dimensions.

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Order Key

EXAMPLE: ALRM48-LED840K052LUNV-C91



Performance Data

LED Performance Data				
Size	Nominal Lumens	Delivered Lumens	Watts	Lumens Per Watt
48	3200	3243	21.3	152.5
	5200	5256	35.5	147.9
	6000	6027	41.3	146.1
96	6400	6487	42.5	152.5
	10500	10512	71.1	147.9
	12000	12054	82.5	146.1

Values based on 840K with standard lens at 25C

Performance Scaling Factor

	50K	40K	35K	30K
80CRI	1.000	1.000	0.960	0.946
90CRI	0.875	0.875	0.836	0.809

How to Order configurable system

Step 1) Select desired unit from order key above

Part #	Description
C91	Stand-alone unit
M56	Start Unit
M57	Middle Unit
M58	End Unit

Step 2) For configurable system only, select desired connector(s). or stand-alone models, see step 3.

Part #	Description
	For straight row mounting, no connector needed
KIT00197	Elbow Connector (90 Degrees)
KIT00198	T Connector
KIT00199	Cross Connector

Step 3) Select suspension kit(s) and power feed(s)***

Part#	Description
KIT00200	48" Air Craft Cable & Canopy
KIT00201	5-Wire UNV Power Feed with 48" Air Craft Cable & Canopy
KIT00221†	6-Wire UNV Power Feed with 48" Air Craft Cable & Canopy (Emergency)
KIT00202	3-Wire 347V Power Feed with 48" Air Craft Cable & Canopy (Non-dimmable)
KIT00203	5-Wire 347V Power Feed with 48" Air Craft Cable & Canopy

***One power feed is recommended for every 60 feet based on 6000 lumens unit on 120V 15A current.

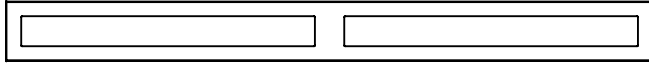
***For other suspension kit lengths, please consult factory. The standard finishing for fixtures, connectors, and suspension kits is white. Other finishing option may be available, consult factory

†Emergency suspension kit must be connected to the housing containing emergency battery pack.

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Downlight Aperture Options

Rectangular Downlight Aperture
(Standard)



Oval Downlight Aperture (C76)



Popular Configurations

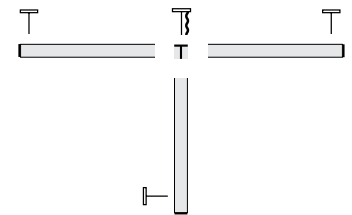
Stand-alone with flat ends

Part#	Description	Qty.
C91		1
KIT00200		1
KIT00201		1



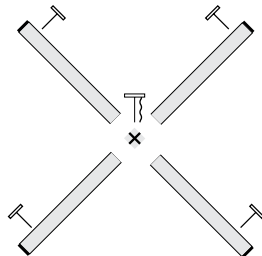
Tee with flat ends

Part#	Description	Qty.
M58 Unit		3
KIT00200		3
KIT00201		1
KIT00198		1



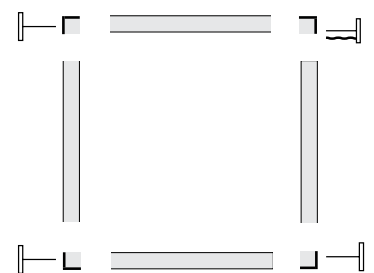
Cross with flat ends

Part#	Description	Qty.
M58 Unit		4
KIT00200		4
KIT00201		1
KIT00199		1



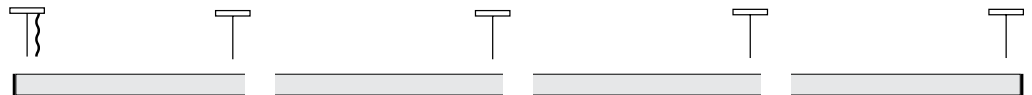
Square / Rectangle

Part#	Description	Qty.
M57 Unit		4
KIT00200		3
KIT00201		1
KIT00197		4



Row with flat ends

Part#	Description	Qty.
M56 Unit		1
M57 Unit		2
M58 Unit		1
KIT00200		4
KIT00189		1



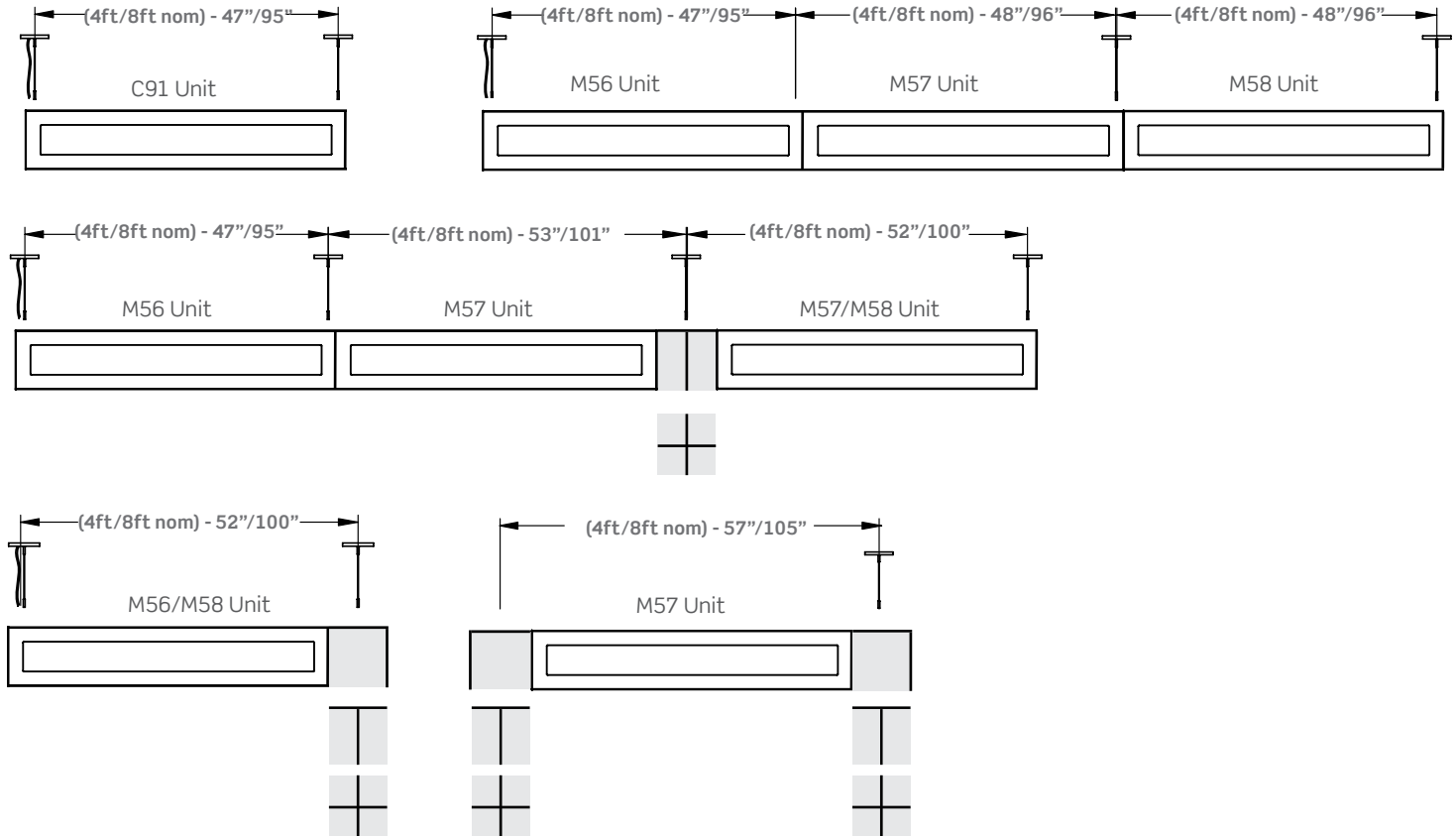
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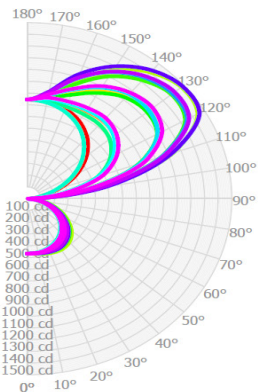
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Mounting Points



Photometrics

IES File: **ALRM48-LED840K052LUNV**
 Lumens: **6748**
 Wattage: **56.8**
 Efficacy: **119**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	401	5.9%
0.0° - 40.0°	674	10.0%
0.0° - 60.0°	1261	18.7%
0.0° - 90.0°	1688	25.0%
0.0° - 110.0°	2529	37.5%
0.0° - 130.0°	4390	65.0%
0.0° - 150.0°	5913	87.6%
0.0° - 170.0°	6644	98.5%
0.0° - 180.0°	6748	100.0%

Average Luminance Table (cd/m²) CP Summary

	0.00°	45.00°	90.00°
0.00°	1679	1679	1679
45.00°	1771	2065	2302
55.00°	1756	2110	2375
65.00°	1687	2098	2377
75.00°	1486	2074	2356
85.00°	1301	2417	2735

Coefficients of Utilization

pc pw	80%			70%			50%		
	70%	50%	30%	70%	50%	30%	70%	50%	30%
0	101	101	101	90	90	90	69	69	69
1	92	88	84	82	78	75	63	60	58
2	83	76	70	74	68	63	56	52	49
3	76	67	60	67	59	53	51	46	42
4	69	59	51	61	52	46	47	41	36
5	63	52	44	56	47	40	43	36	31
6	58	46	38	51	42	35	39	32	27
7	54	42	34	47	37	31	36	29	24
8	49	38	30	44	34	27	34	26	22
9	46	34	27	41	31	24	31	24	19
10	43	31	24	38	28	22	29	22	17

Effective Floor Cavity Reflectance: 20%

Standard Light Distribution:
75% Up / 25% Down