

Project:	Catalogue:	Type:
Notes:		

Product Description

The Allura Type R (ALRR) suspended linear luminaire introduces a refined, architectural profile highlighted by its regressed lens, which softens brightness and enhances visual comfort. Its dual-distribution optical design provides balanced, glare-controlled illumination suited for focused work and collaborative environments. With a form that integrates naturally into contemporary offices, learning areas, and creative spaces, the Allura Type R supports both visual clarity and cohesive interior design, while featuring bi-directional optics with selectable up/down light distributions that deliver wide, uniform illumination through a regressed, frosted acrylic lens.

Applications

Boardrooms, corridors, classrooms, studio lofts, and offices



Features

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

Featured Options

- Rectangular or rounded corner aperture designs
- Emergency lighting battery pack
- IOT integrated wireless solutions

Allura Family

- For more information on other Allura products click [here](#)

Optical System

Frosted acrylic diffuser offer high levels of efficiency and visual comfort. The bi-directional optics provide a wide, uniform light distribution. Multiple distributions (see order key).

Mounting

Adjustable aircraft cable mounting system used at each hanging location. (Ordered separately)

Construction

Precision-formed steel housing assembly.

Finish

5-stage pretreatment, polyester powder coating.

Electrical

Long life LEDs coupled with high efficiency drivers provide quality illumination. Rated to deliver L80 performance for over 60,000 hours.

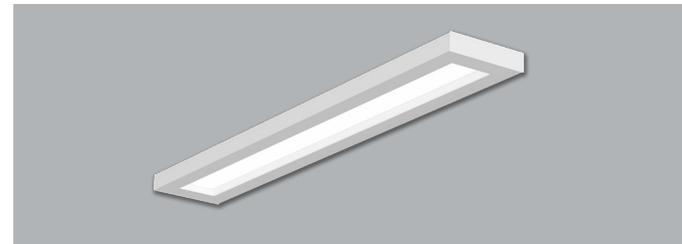
Warranty

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



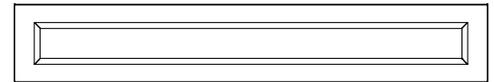
Approvals

- ETL Listed.
- Suitable for dry and damp locations.
- RoHS Compliant.

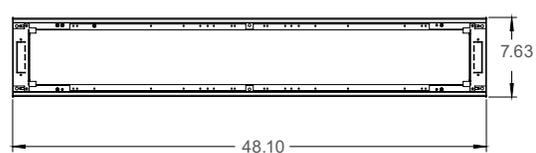


Dimensions

Top View



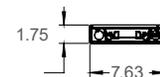
Back View



Side View



End View



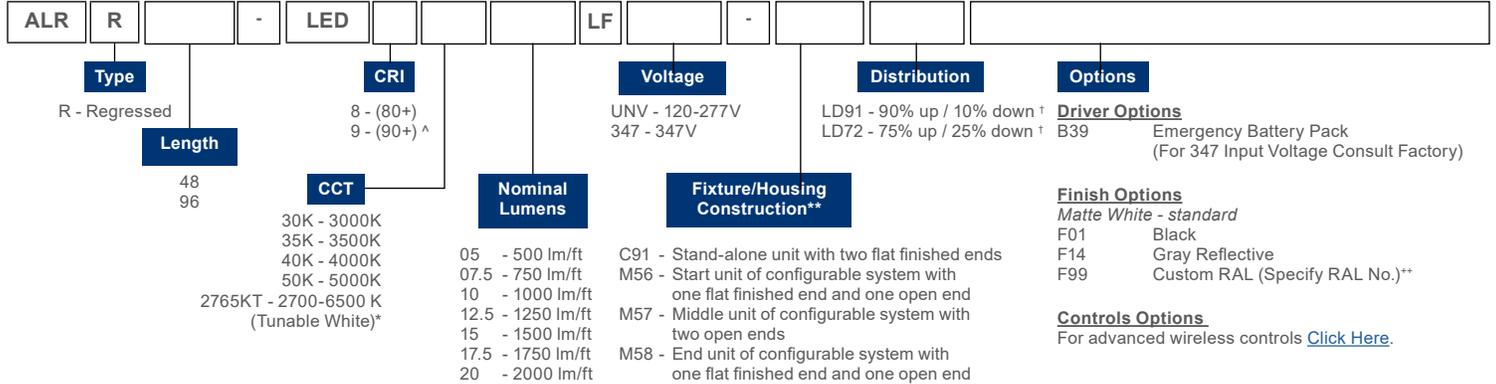
Dimensions (inch)			
Size	A	B	C
48	48	7.60	1.75
96	96	7.60	1.75

Consult the installation guide for exact dimensions.

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Order Key

EXAMPLE: ALRR48-LED840K010LFUNV-C91LD91B39F14



^ 90+ CRI reduces lumen output by 20%. Consult factory for lead times and availability.

* When Selecting 2765KT, if a tunable white-compatible control is not selected the luminaire will come standard with two sets of 0-10V wires for dimming and color tuning (see tunable white diagram for details). For compatible control options please consult factory.

**For all units, power feeds, canopies & air craft cables must be ordered separately. See "How to order" section for details.

† Light distribution options will reduce total output as follows: LD46 = -19%, LD28 = -24%, LD01 = -29%. Consult factory for custom lumen options.

**Minimum order quantity may apply. Consult factory.

Other options may be available, consult factory.

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	
KIT00485	Elbow Connector (90 Degrees)
KIT00486	T Connector
KIT00487	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.

Project:	Catalogue:	Type:
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Performance Data

ALRR Performance Chart					
Distribution	Size	Nominal Lumens	Delivered Lumens	Watts	Efficacy
LD91	48	05L	2071	14.3	145
		7.5L	3068	20.48	150
		10L	4095	27.84	147
		12.5L	5061	34.82	145
		15L	6073	42.39	143
		17.5L	7069	50.07	141
		20L	8066	57.86	439
	96	05L	4142	28.6	144
		7.5L	6042	40.49	149
		10L	8066	54.72	147
		12.5L	10059	69.16	145
		15L	12083	84.3	143
		17.5L	14139	100.15	141
		20L	16132	115.72	139
LD72	48	05L	1955	15	130.3
		7.5L	2875	22	130.7
		10L	3784	29	130.5
		12.5L	4811	37	130
		15L	5699	44	129.5
		17.5L	6699	52	128.8
		20L	7586	59	128.6
	96	05L	3910	30	130.3
		7.5L	5751	44	130.7
		10L	7569	58	130.5
		12.5L	9623	74	130
		15L	11397	88	129.5
		17.5L	13399	104	257.7
		20L	15171	118	257.1

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

Lifetime Expectancy

	Calculated Hours	Reported Hours
L70	≥238,000	>60,000
L80	≥149,000	>60,000
L90	≥71,000	>60,000

Values based on 840K with standard lens at 25°C.

EM Ordering Guide

EM Function	Order Code	Description	Notes
Standard EM	B39	10W EM battery pack	Standard 10W output, 90 minute run time in emergency mode.
High Wattage EM	B39(20W)	20W EM battery pack	Standard 20W output, 90 minute run time in emergency mode.
347V EM	347...B39	8W 347V EM battery pack	Fixture part number indicates 347V input voltage.
347 High Wattage EM	347...B39(20W)	20W 347V EM battery pack	Fixture part number indicates 347V input voltage.
Self Testing EM	B39(SD)	10W Self test EM battery pack	Self test instructions provided with each fixture. Digital copies available as needed.
Cold Weather	B06...B39	10W Cold weather EM battery pack suitable to -20°C	Standard EM battery pack 0°C minimum temperature.
120 Minute EM	B39(2HR)	EM battery pack with 120 minute minimum run time	Standard 14W output, 120 minute run time in emergency mode.
Specified EM	B39(xx)	Customer to specify brand, model number and/or feature.	xx Indicates model number of specified by Viscor.

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Popular Configurations

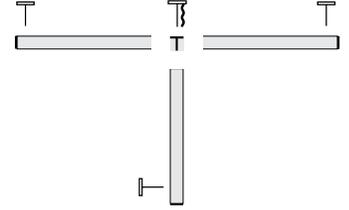
Stand-alone

Part#	Description	Qty.
C91		1
KIT00200		1
KIT00201		1



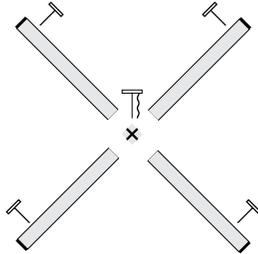
Tee

Part#	Description	Qty.
M58 Unit		3
KIT00200		3
KIT00201		1
KIT00486		1



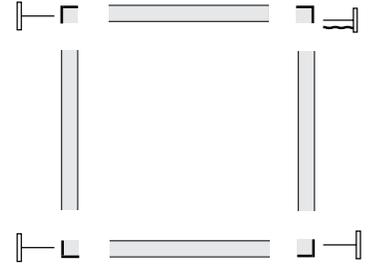
Cross

Part#	Description	Qty.
M58 Unit		4
KIT00200		4
KIT00201		1
KIT00487		1



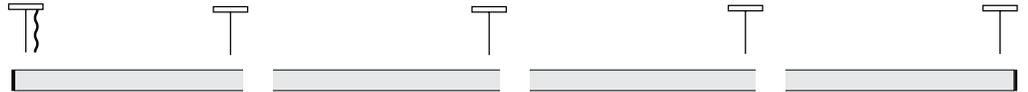
Square / Rectangle

Part#	Description	Qty.
M57 Unit		4
KIT00200		3
KIT00201		1
KIT00485		4



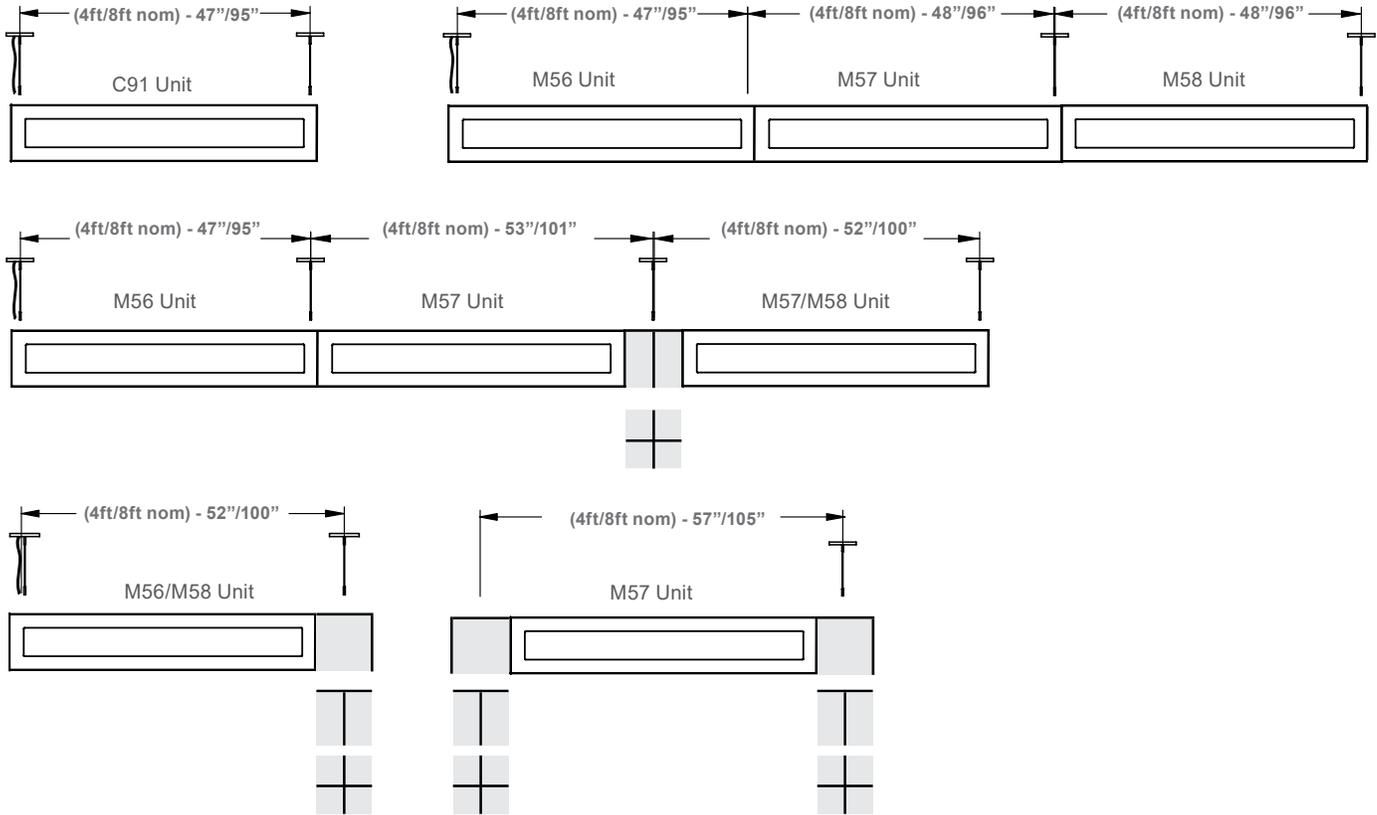
Row

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



Project:	Catalogue:	Type:
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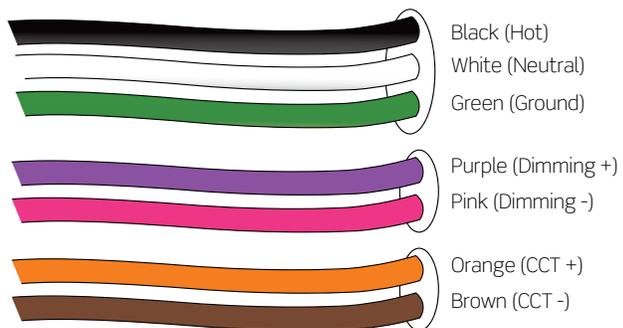
Mounting Points



Tunable White

When Selecting 2765KT, if a tunable white-compatible control is not selected the luminaire will come standard with two sets of 0-10V wires for dimming and color tuning. For compatible control options please consult factory.

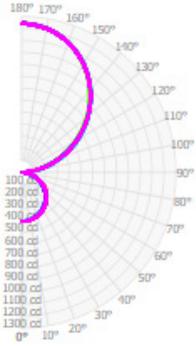
Dim and CCT control wire colors are subject to change without notice. All control wires are marked per the parentheses.



Project:	Catalogue:	Type:
Notes:		

Photometrics

IES File: **ALRR48-LED840K12.5LFUNV-LD72**
 Lumens: **N/A**
 Wattage: **37**
 Efficacy: **130**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	323	6.7%
0.0° - 40.0°	535	11.1%
0.0° - 60.0°	966	20.1%
0.0° - 90.0°	1246	25.9%
0.0° - 110.0°	1594	33.1%
0.0° - 130.0°	2607	54.2%
0.0° - 150.0°	3850	80.0%
0.0° - 170.0°	4693	97.6%
0.0° - 180.0°	4811	100.0%

Average Luminance Table (cd/m²) CP Summary

	0.00°	45.00°	90.00°
0.00°	1769	1769	1769
45.00°	1847	1812	1746
55.00°	1823	1813	1707
65.00°	1719	1741	1602
75.00°	1659	1595	1301
85.00°	859	1349	415

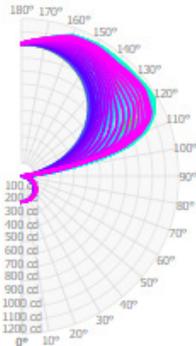
Coefficients of Utilization

Values are lumens delivered to the workplane from a single luminaire

pc	80%				70%				50%				30%				10%				0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%				
pw	0	4878	4878	4878	4878	4350	4350	4350	4350	3365	3365	3365	2463	2463	2463	1635	1635	1635	0		
1	1	4438	4234	4051	3887	3949	3780	3628	3491	2931	2830	2737	2151	2087	2029	1431	1396	1363	1035		
2	2	4034	3688	3403	3163	3583	3296	3056	2853	2559	2395	2254	1879	1774	1682	1250	1190	1137	855		
3	3	3672	3231	2891	2619	3258	2890	2601	2369	2247	2047	1882	1653	1522	1412	1101	1024	958	716		
4	4	3351	2848	2481	2200	2972	2550	2236	1994	1987	1766	1591	1464	1318	1199	978	890	818	608		
5	5	3066	2526	2148	1869	2720	2264	1940	1697	1768	1537	1359	1307	1151	1029	876	781	706	523		
6	6	2815	2253	1876	1605	2498	2022	1697	1460	1583	1348	1173	1174	1014	892	790	692	616	456		
7	7	2594	2022	1651	1391	2303	1817	1495	1267	1426	1192	1022	1061	900	780	718	618	542	401		
8	8	2398	1825	1464	1216	2131	1642	1327	1109	1292	1062	897	965	805	688	656	556	482	357		
9	9	2225	1656	1307	1071	1979	1491	1187	978	1177	952	794	882	724	611	603	504	431	320		
10	10	2072	1510	1174	950	1845	1362	1067	869	1078	859	707	810	656	547	557	459	389	289		

Effective Floor Cavity Reflectance: 20%

IES File: **ALRR48-LED840K12.5LFUNV-LD91**
 Lumens: **N/A**
 Wattage: **37**
 Efficacy: **138**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	157	3.1%
0.0° - 40.0°	263	5.2%
0.0° - 60.0°	485	9.5%
0.0° - 90.0°	653	12.8%
0.0° - 110.0°	1269	24.9%
0.0° - 130.0°	2823	55.4%
0.0° - 150.0°	4213	82.6%
0.0° - 170.0°	4998	98.1%
0.0° - 180.0°	5097	100.0%

Average Luminance Table (cd/m²) CP Summary

	0.00°	45.00°	90.00°
0.00°	848	848	848
45.00°	957	922	864
55.00°	978	946	853
65.00°	997	951	813
75.00°	1149	1012	675
85.00°	909	1205	296

Coefficients of Utilization

Values are lumens delivered to the workplane from a single luminaire

pc	80%				70%				50%				30%				10%				0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%				
pw	0	5010	5010	5010	5010	4376	4376	4376	4376	3194	3194	3194	2113	2113	2113	1120	1120	1120	653		
1	1	4551	4339	4149	3977	3966	3794	3639	3498	2773	2675	2585	1836	1780	1728	971	946	923	531		
2	2	4136	3779	3484	3236	3598	3307	3064	2858	2420	2263	2127	1602	1511	1431	846	803	766	434		
3	3	3764	3310	2958	2678	3271	2899	2607	2371	2124	1932	1774	1408	1294	1199	743	689	643	360		
4	4	3433	2915	2535	2246	2981	2555	2238	1992	1876	1664	1497	1245	1118	1015	658	597	546	304		
5	5	3139	2581	2191	1904	2726	2265	1937	1692	1666	1444	1275	1108	973	868	588	522	469	261		
6	6	2879	2298	1909	1629	2500	2019	1689	1450	1488	1263	1096	992	854	748	529	460	407	226		
7	7	2649	2058	1675	1406	2302	1809	1484	1253	1337	1112	949	894	755	650	479	409	356	198		
8	8	2445	1853	1480	1224	2127	1631	1313	1091	1207	986	829	810	671	570	436	367	315	176		
9	9	2266	1677	1316	1073	1972	1478	1169	957	1096	880	729	738	601	503	399	330	280	157		
10	10	2107	1526	1178	947	1835	1346	1047	846	1001	790	645	675	541	447	368	300	251	142		

Effective Floor Cavity Reflectance: 20%