

Project:	Catalogue:	Type:
Notes:		

Product Description

The chic Allura F 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:
 - 80/20
 - 70/30
 - 60/40
- 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. Multiple distributions (see order key).

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

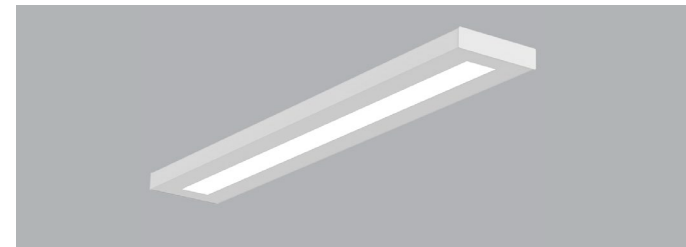
Long life LEDs coupled with high efficiency drivers provide quality illumination. Rated to deliver L80 performance >60,000 hours.

Warranty

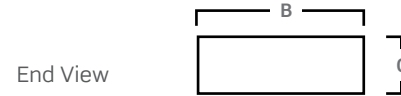
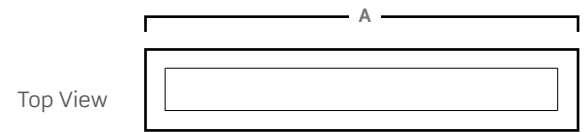
5 year limited warranty. For complete warranty, click here: [5YR Warranty](#)

Approvals

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



Dimensions



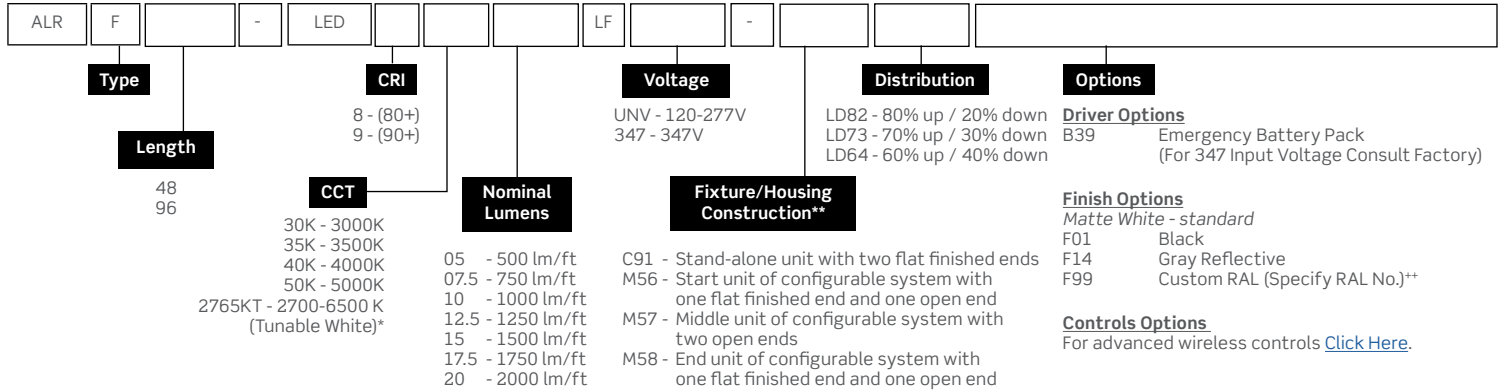
Size	A	B	C
48	48"	7.6"	1.7"
96	96"	7.6"	1.7"

Consult installation guide for exact dimensions.

Project:	Catalogue:	Type:
Notes:		

Order Key

EXAMPLE: ALRF48-LED840K010LUNV-C91



^ 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 standards 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. Specifications and data subject to change without notice.

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:
Notes:		

Performance Data

LED Performance Data							
Light Distribution	Size	Nominal Lumens	Delivered Lumens	Up-Light Lumens	Down-Light Lumens	Watts	Lumens Per Watt
LD82	48	05LF - 2000	2036	1629	407	11	164
		07.5LF - 3000	3026	2421	605	19	161
		10LF - 4000	4007	3206	801	22	158
		12.5LF - 5000	5051	4041	1010	32	156
		15LF - 6000	6011	4809	1202	34	154
		17.5LF - 7000	7034	5627	1407	46	150
		20LF - 8000	8046	6437	1609	47	150
	96	05LF - 4000	4073	3258	815	22	164
		07.5LF - 6000	6053	4842	1211	38	161
		10LF - 8000	8014	6411	1603	45	158
		12.5LF - 10000	10028	8022	2006	64	156
		15LF - 12000	12023	9618	2405	69	154
		17.5LF - 14000	14068	11254	2814	93	152
		20LF - 16000	16092	12874	3218	95	150
LD73	48	05LF - 2000	2065	1446	620	12	154
		07.5LF - 3000	3069	2148	921	20	151
		10LF - 4000	4062	2843	1219	24	149
		12.5LF - 5000	5044	3531	1513	34	146
		15LF - 6000	6085	4260	1826	37	144
		17.5LF - 7000	7046	4932	2114	50	142
		20LF - 8000	8063	5644	2419	51	140
	96	05LF - 4000	4130	2891	1239	24	154
		07.5LF - 6000	6066	4246	1820	40	151
		10LF - 8000	8124	5687	2437	48	149
		12.5LF - 10000	10019	7013	3006	68	147
		15LF - 12000	12170	8519	3651	74	144
		17.5LF - 14000	14023	9816	4207	99	142
		20LF - 16000	16126	11288	4838	101	140
LD64	48	05LF - 2000	2038	1223	815	12	147
		07.5LF - 3000	3063	1838	1225	22	140
		10LF - 4000	4009	2405	1604	25	142
		12.5LF - 5000	5011	3007	2004	36	139
		15LF - 6000	6001	3601	2400	39	137
		17.5LF - 7000	7044	4226	2818	52	135
		20LF - 8000	8075	4845	3230	53	133
	96	05LF - 4000	4077	2446	1631	25	147
		07.5LF - 6000	6058	3635	2423	42	144
		10LF - 8000	8017	4810	3207	50	142
		12.5LF - 10000	10021	6013	4008	72	139
		15LF - 12000	12002	7201	4801	77	137
		17.5LF - 14000	14024	8414	5610	104	135
		20LF - 16000	16149	9689	6460	121	133

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

Lifetime Expectancy


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

Project:	Catalogue:	Type:
Notes:		

Popular Configurations

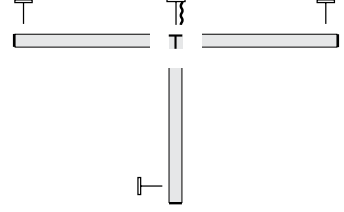
Stand-alone

Part#	Description	Qty.
C91		1
KIT00200		1
KIT00201		1



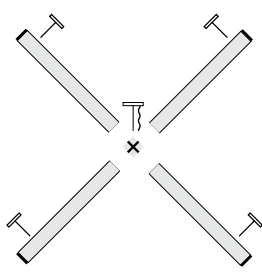
Tee

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



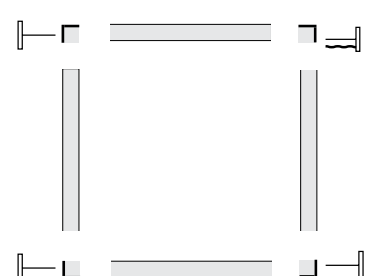
Cross

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

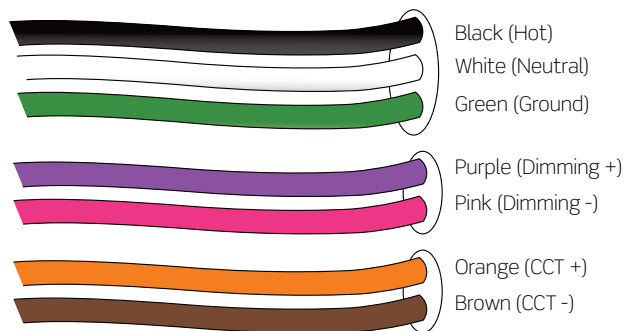
Part#	Description	Qty.
M56 Unit		1
M57 Unit		2
M58 Unit		1
KIT00200		4
KIT00189		1



Tunable White

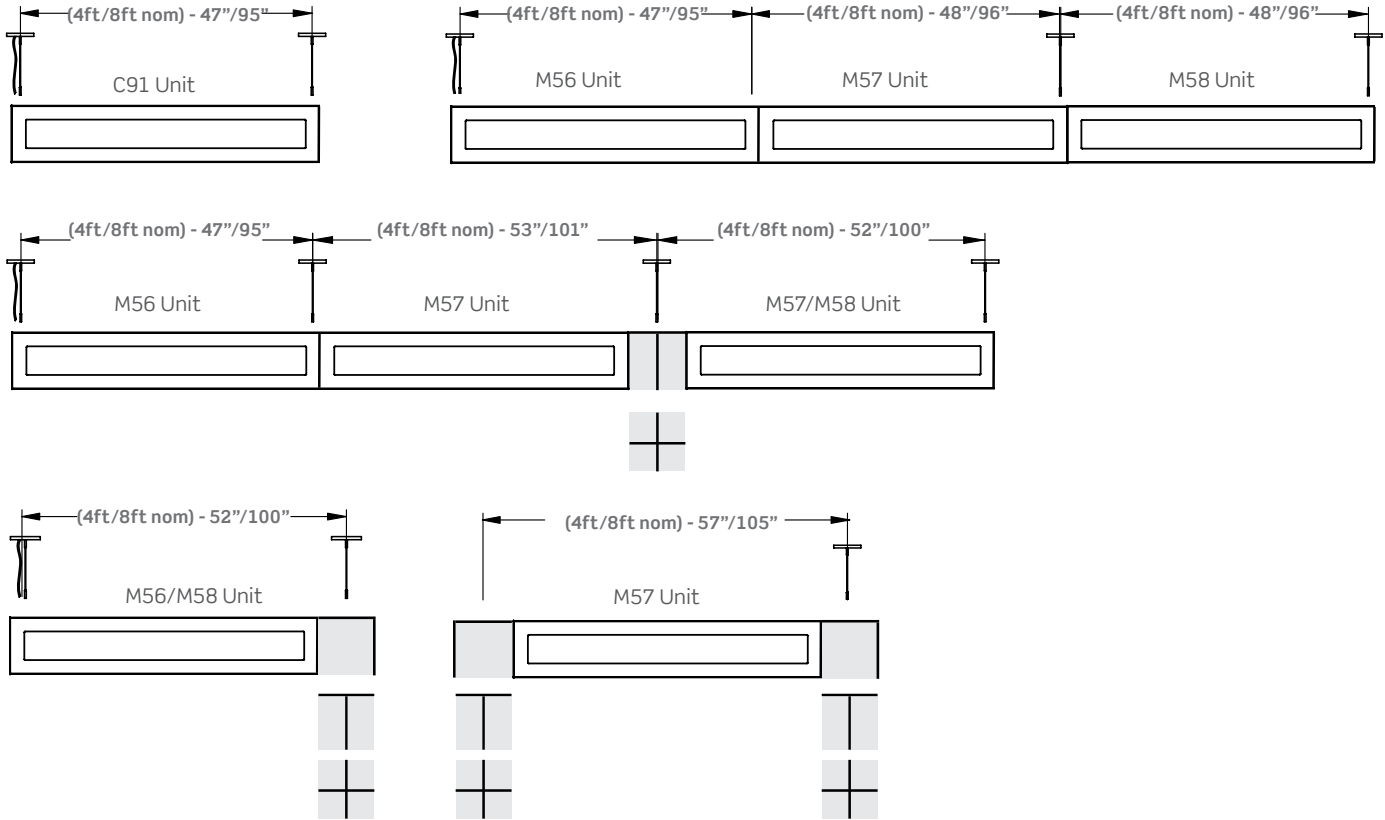
When Selecting 2765KT, if a tunable white-compatible control is not selected the luminaire will come standard with two sets of 0-10V wires for dimming and color tuning. For compatible control options please consult factory.

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



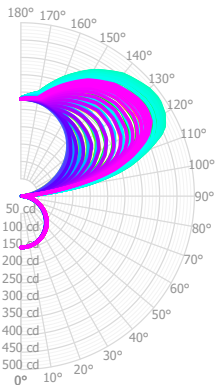
Project:	Catalogue:	Type:
Notes:		

Mounting Points



Photometrics

IES File: **ALRF48-LED840K05LFUNV-LD82**
 Lumens: **N/A**
 Wattage: **12.5**
 Efficacy: **163**



Zonal Lumen Summary

Zone	Lumens	%Fixture pc	Coefficients of Utilization																							
			80%			70%			50%			30%			10%											
0.0° - 30.0°	116	5.7%	0	2047	2047	2047	2047	0	1816	1816	1816	1816	0	1384	1384	1384	0	989	989	989	0	626	626	626	0	455
0.0° - 40.0°	192	9.4%	1	1860	1774	1696	1627	1	1646	1575	1511	1453	1	1203	1160	1121	1	860	834	810	1	545	531	518	1	374
0.0° - 60.0°	346	17.0%	2	1691	1545	1424	1323	2	1493	1373	1272	1186	2	1049	981	923	2	751	708	671	2	475	452	431	2	308
0.0° - 90.0°	456	22.4%	3	1539	1353	1210	1095	3	1358	1203	1082	985	3	921	838	770	3	660	607	563	3	418	388	363	3	257
0.0° - 110.0°	704	34.6%	4	1404	1192	1038	919	4	1238	1062	930	828	4	814	723	650	4	585	525	477	4	371	337	309	4	218
0.0° - 130.0°	1297	63.7%	5	1285	1057	898	781	5	1133	942	806	705	5	724	629	555	5	522	459	409	5	332	296	267	5	188
0.0° - 150.0°	1775	87.2%	6	1179	943	784	670	6	1040	841	705	606	6	648	551	479	6	468	404	355	6	300	262	233	6	163
0.0° - 170.0°	2009	98.7%	7	1086	845	689	580	7	959	755	621	525	7	584	487	417	7	423	358	310	7	272	234	205	7	144
0.0° - 180.0°	2036	100.0%	8	1004	763	611	506	8	887	682	551	459	8	529	433	365	8	384	320	273	8	249	210	182	8	128
			9	931	692	545	446	9	823	619	492	404	9	481	388	323	9	351	288	242	9	229	190	162	9	115
			10	867	630	489	395	10	767	565	442	359	10	440	350	287	10	323	260	216	10	211	174	146	10	104

Effective Floor Cavity Reflectance: 20%

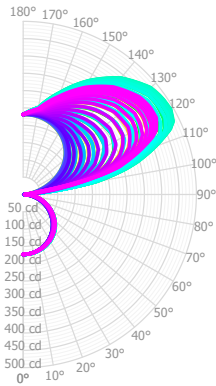
Average Luminance Table (cd/m²) CP Summary

	0.00°	45.00°	90.00°
0.00°	640	640	640
45.00°	653	639	624
55.00°	648	634	613
65.00°	641	629	599
75.00°	646	631	550
85.00°	765	730	259

Project:	Catalogue:	Type:
Notes:		

Photometrics

IES File: **ALRF48-LED840K05LFUNV-LD73**
 Lumens: **N/A**
 Wattage: **14**
 Efficacy: **148**



Zonal Lumen Summary

Zone	Lumens	%Fixture pc	Coefficients of Utilization																			
			80%				70%				50%				30%				10%			
0.0° - 30.0°	137	6.6%	pw	0	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0.0° - 40.0°	227	11.0%	1	2099	2099	2099	2099	1875	1875	1875	1875	1457	1457	1457	1074	1074	1074	722	722	722	557	
0.0° - 60.0°	415	20.1%	2	1730	1579	1454	1350	1538	1412	1307	1218	1099	1027	965	811	764	723	544	516	491	371	
0.0° - 90.0°	557	27.0%	3	1574	1382	1234	1116	1398	1237	1111	1010	964	876	803	712	653	604	477	442	412	309	
0.0° - 110.0°	803	38.9%	4	1436	1217	1058	936	1274	1091	954	849	852	755	678	630	565	512	423	384	351	261	
0.0° - 130.0°	1394	67.5%	5	1314	1079	916	795	1166	968	827	722	758	656	579	562	493	439	379	336	302	224	
0.0° - 150.0°	1838	89.0%	6	1206	963	799	682	1071	864	723	620	678	576	499	504	434	380	341	298	263	195	
0.0° - 170.0°	2042	98.9%	7	1111	864	703	591	987	777	637	538	611	509	434	456	385	332	310	266	232	171	
0.0° - 180.0°	2065	100.0%	8	1027	779	623	516	914	702	566	471	553	453	381	414	344	293	283	239	205	152	
			9	953	707	556	455	849	637	506	415	504	406	337	379	310	260	261	216	184	136	
			10	888	645	500	403	791	582	455	369	462	366	300	348	280	233	241	197	166	123	

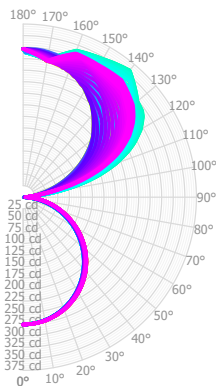
Values are lumens delivered to the workplane from a single luminaire

Effective Floor Cavity Reflectance: 20%

Average Luminance Table (cd/m2) CP Summary

	0.00°	45.00°	90.00°
0.00°	748	748	748
45.00°	792	764	735
55.00°	807	769	723
65.00°	821	782	707
75.00°	865	809	651
85.00°	1116	1015	303

IES File: **ALRF48-LED840K05LFUNV-LD64**
 Lumens: **N/A**
 Wattage: **14**
 Efficacy: **146**



Zonal Lumen Summary

Zone	Lumens	%Fixture pc	Coefficients of Utilization																			
			80%				70%				50%				30%				10%			
0.0° - 30.0°	215	10.6%	pw	0	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0.0° - 40.0°	354	17.4%	1	2137	2137	2137	2137	1946	1946	1946	1946	1590	1590	1590	1265	1265	1265	965	965	965	825	
0.0° - 60.0°	632	31.0%	2	1764	1612	1486	1380	1600	1471	1363	1271	1206	1128	1060	961	907	859	735	699	667	562	
0.0° - 90.0°	825	40.5%	3	1606	1412	1262	1142	1455	1289	1160	1055	1059	963	885	845	777	720	647	601	562	470	
0.0° - 110.0°	959	47.0%	4	1466	1245	1084	961	1328	1139	998	889	937	832	749	749	674	612	575	523	480	400	
0.0° - 130.0°	1370	67.2%	5	1343	1106	940	818	1216	1012	867	759	835	725	642	670	590	527	516	460	415	344	
0.0° - 150.0°	1778	87.2%	6	1234	988	823	705	1119	906	760	655	749	638	556	603	521	458	466	408	363	300	
0.0° - 170.0°	2008	98.5%	7	1139	889	727	613	1033	816	672	571	677	566	486	547	464	403	424	366	321	265	
0.0° - 180.0°	2038	100.0%	8	1055	804	647	538	957	739	599	502	615	506	429	498	417	357	389	330	286	235	
			9	980	732	579	477	891	673	538	445	562	456	381	457	376	319	358	300	257	211	
			10	914	669	523	425	832	617	485	397	516	413	342	421	342	287	331	274	232	191	

Values are lumens delivered to the workplane from a single luminaire

Effective Floor Cavity Reflectance: 20%

Average Luminance Table (cd/m2) CP Summary

	0.00°	45.00°	90.00°
0.00°	1191	1191	1191
45.00°	1183	1166	1142
55.00°	1170	1151	1114
65.00°	1145	1128	1080
75.00°	1130	1107	986
85.00°	1246	1189	424