

LMEZ 2 - DROP Lens Direct

LED - 2" Suspended, Ceiling & Wall Architectural Linear with Drop-Rectangular Lens

Project:	Catalogue:	Type:
Notes:		

Product Description

Premium-grade linear LED luminaire featuring a precision-formed drop lens that offers soft, diffused illumination. The LMEZ 2 is designed for use in indoor applications where direct linear lighting is desired. This luminaire is suitable for individual suspended or surface mount (ceiling or wall) applications and offers visual comfort for indoor new-construction, architectural, and retail settings.

Applications

Classrooms, Libraries, Office Areas, Retail Stores



Features

- Pressure-fitted lay-in frosted diffuser
- 2" width
- Standard low voltage dimming (0-10v) 1%
- Stand-alone configurations
- Suitable for damp locations

Featured Options

- Available in 24", 48", 72" and 96" lengths
- Lumen Output up to 1000 Lumens/FT
- Tunable white (2700 - 6500K)
- Emergency lighting battery pack
- 80+ and 90+ CRI

Optical System

Precision formed rectangular frosted diffuser offers high levels of efficiency and visual comfort.

Mounting

Various adjustable aircraft cable kits available. (Sold separately, see page 2). For ceiling surface configurations, the housing is directly fastened to the ceiling surface. The setup includes a 2-piece junction box cover for a clean finish. For wall configurations, a secure wall bracket is included. The fixture is then affixed securely to the bracket. See the installation instructions for more detailed information regarding installation.

Construction

Die-formed and spot-welded, code gauge steel housing assembly.

Finish

White polyester powder painted housing standard. Other finishes available (see ordering key).

Electrical

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

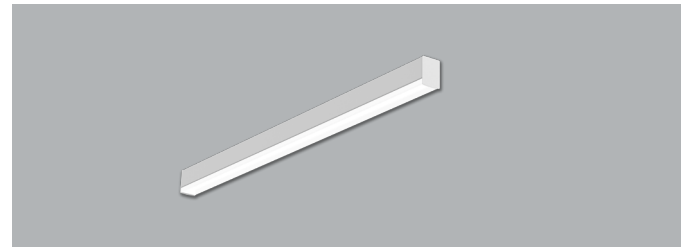
Warranty

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

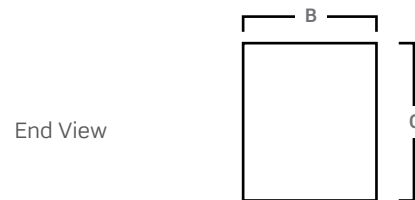
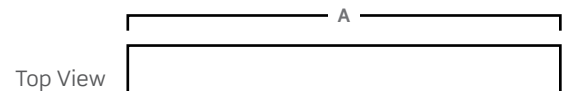


Approvals

- ETL Listed.
- Suitable for Damp Location



Dimensions



Size	A	B	C
24	22 1/4"	2"	3"
48	44 1/4"		
72	66 3/8"		
96	88 1/2"		

View page 3 for mounting option dimensions. Consult installation guide for exact dimensions.

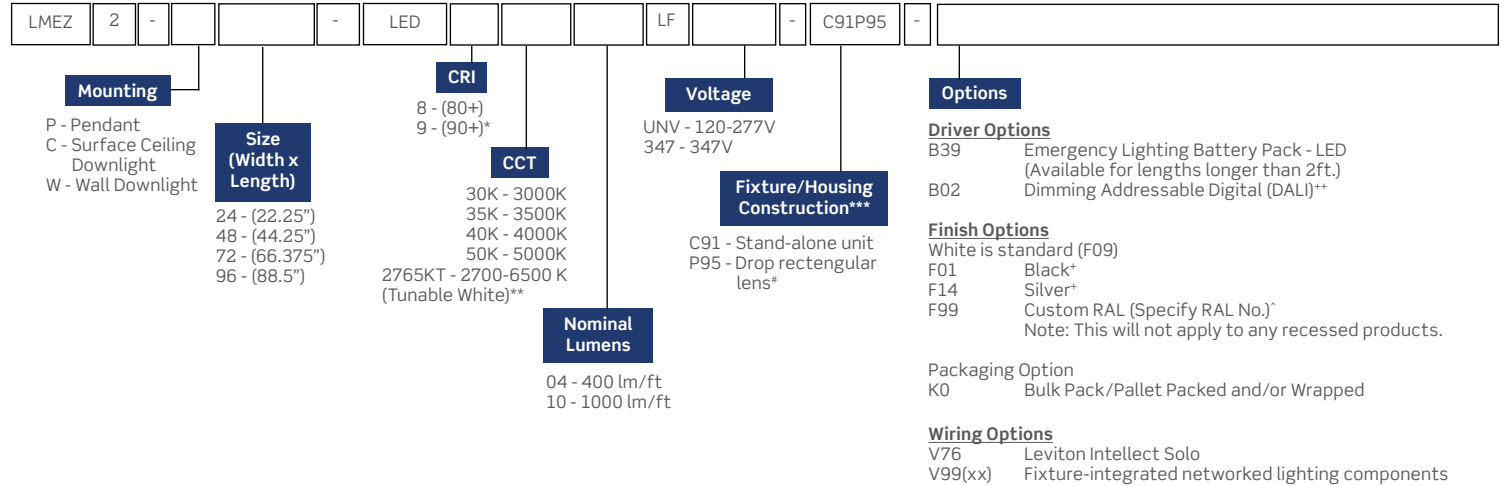
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Project:	Catalogue:	Type:
Notes:		

Order Key

EXAMPLE: LMEZ2-P48-LED835K0410LFUNV-C91P95



Controls Options
For advanced wireless controls [Click Here](#).

*90+ CRI reduces lumen output by 20%, not available with 5000K

** 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.

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

Frosted lens is standard (P73)

**Consult factory for availability and lead times.

*Black (F01) reduces lumen output by 40%. Silver Gray (F14) reduces lumen output by 20%. Consult factory for higher lumen options. Black Acrylic Bottom Lens (P114) reduces lumen output by 75%.

[^]Minimum order quantity may apply. Consult factory.

Other options may be available, consult factory. Specifications and data subject to change without notice.

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Project:	Catalogue:	Type:
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Performance Data for Suspended Mount

Size	Nominal lm per Foot Down	Total Delivered lm Down	Total Watts	lm/W
24"	400	844	8.5	100
	1000	2017	22.1	91
48"	400	1633	17.2	95
	1000	4040	48.3	84
72"	400	2415	24.3	99
	1000	6026	65.3	92
96"	400	3266	24.4	134
	1000	8080	96.3	84

Values based on 840K with standard lens at 25C

Performance Data for Ceiling & Wall Mount

Size	Nominal lm per Foot Down	Total Delivered lm Down	Total Watts	lm/W
24"	400	813	6.2	130.9
	600	1004	9.6	127.2
	800	1643	12.8	128
	1000	2071	16.6	125
48"	1500	3091	26.2	118
	400	1627	12.1	134.0
	600	2447	18.8	130.1
	800	3285	25.1	131.0
72"	1000	4142	32.4	127.9
	1500	6182	51.2	120.8
	400	2440	18.2	134.0
	600	3671	28.2	130.1
96"	800	4835	36.8	131.2
	1000	6032	47.0	128.3
	1500	9020	74.3	121.3
	400	3253	24.3	134.0
96"	600	4894	37.6	130.1
	800	6446	49.1	131.2
	1000	8043	62.7	128.3
	1500	11743	96.4	121.8

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

EM Ordering Guide






EM Function	Order Code	Description	Notes
Standard EM	B39	10W EM battery pack	
High wattage EM	B39(20W)	20W EM pack	
347V EM	347...B39	8W 347V EM	fixture part number indicates 347V input voltage.
347 High Wattage EM	347...B39(20W)	20W 347V EM pack	fixture part number indicates 347V input voltage.
Self Testing EM	B39(SD)	10W Self Test EM	Self test instructions provided with each fixture. Digital copies available as needed
Cold Weather	B06...B39	10W Cold Weather EM suitable to -20C	Standard EM pack 0C minimum temp
120min EM	B39(2HR)	EM with 120minute minimum run time	
Specified EM	B39(xx)	Customer to specify brand and/or model number	xx indicates model number of specified EM

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Suspension & Power Kits

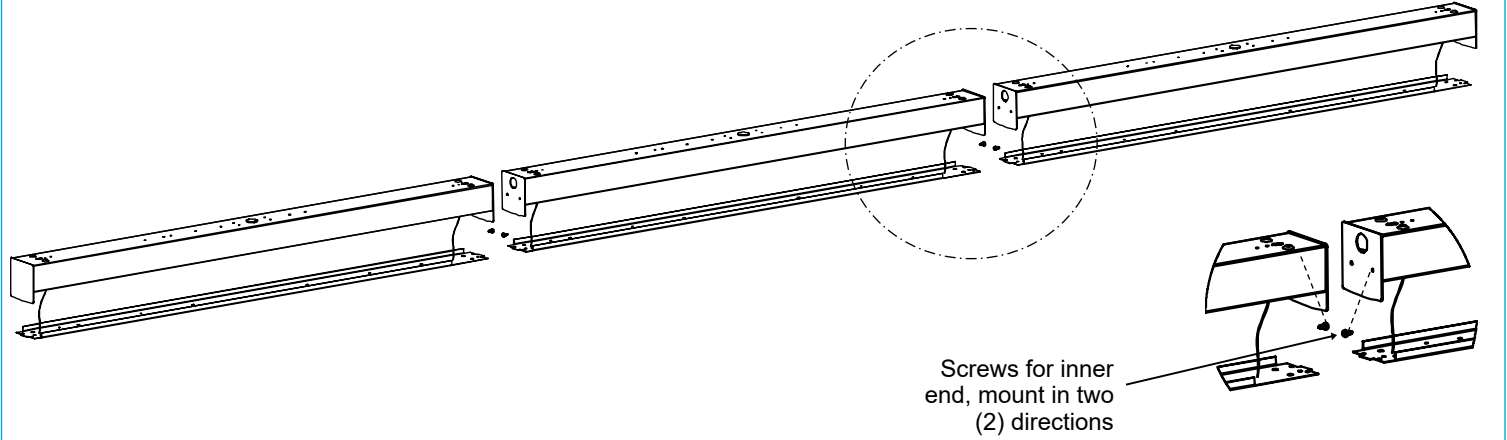
Part#		Description
KIT00292 (White) KIT00237 (Black)		48" Aircraft Cable & Canopy
KIT00293 (White) KIT00238 (Black)		5-Wire 18ga UNV Power Supply with 48" Aircraft Cable & Canopy
KIT00230 (White) KIT00253 (Black) [†]		6-Wire UNV Power Feed with 48" Air Craft Cable & Canopy (Emergency)
KIT00294 (White)		3-Wire 347V Power Feed with 48" Air Craft Cable & Canopy (Non-dimmable)
KIT00295 (White)		5-Wire 347V Power Feed with 48" Air Craft Cable & Canopy

For other suspension kit lengths, please consult factory.
Emergency suspension kit required for each fixture containing emergency battery pack.

Row mounting joiners

The LMEZ 2 series features an integrated joining mechanism with three points of contact. It ensures precise alignment, secure connections, and effective light-leak control. Whether creating straight rows or continuous installations, the LMEZ 2 delivers form and function.

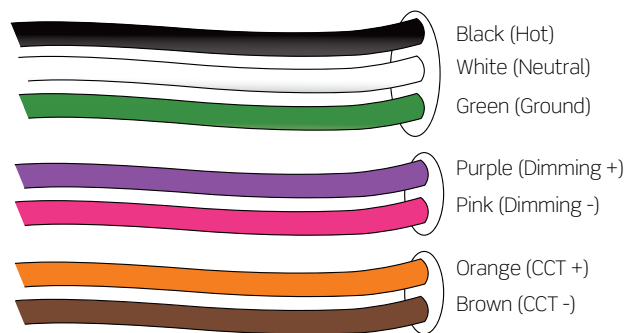
Row-Mounting for Drop Lens (P95)



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.



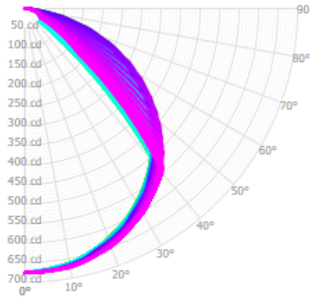
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Project:	Catalogue:	Type:
Notes:		

Photometrics

IES File: **LMEZ2-C48-LED840K04LFxxx-P95**
 Lumens: **N/A**
 Wattage: **12.1**
 Efficacy: **134**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	531	32.6%
0.0° - 40.0°	878	53.9%
0.0° - 60.0°	1424	87.5%
0.0° - 90.0°	1612	99.1%

Average Luminance Table (cd/m2) CP Summary

	0.00°	45.00°	90.00°
0.00°	11811	11811	11811
45.00°	8820	9456	8379
55.00°	3328	6049	7290
65.00°	1772	1769	5643
75.00°	1957	1105	3286
85.00°	1614	524	283

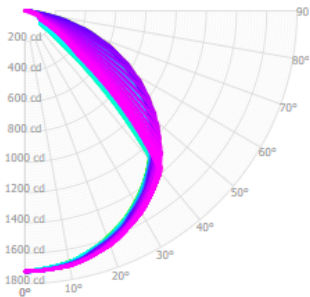
Coefficients of Utilization

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%	50%	30%	10%	0%	
0	1933	1933	1933	1933	1886	1886	1886	1886	1799	1799	1799	1719	1719	1719	1646	1646	1646	1612				
1	1792	1725	1665	1611	1747	1687	1632	1583	1616	1571	1531	1551	1515	1482	1491	1462	1435	1402				
2	1649	1531	1434	1352	1607	1500	1411	1335	1441	1367	1302	1387	1325	1271	1337	1286	1241	1207				
3	1518	1364	1246	1151	1478	1338	1229	1140	1289	1196	1119	1244	1164	1098	1201	1135	1078	1044				
4	1400	1222	1093	994	1363	1200	1079	986	1159	1054	971	1121	1030	957	1085	1007	943	910				
5	1294	1101	967	867	1260	1083	956	862	1047	937	852	1015	918	842	984	900	832	799				
6	1199	997	862	765	1168	982	854	761	952	838	754	924	823	746	898	809	739	707				
7	1115	908	775	681	1087	895	768	678	869	755	672	845	743	667	823	731	661	630				
8	1040	831	701	611	1014	820	695	608	798	685	604	777	675	600	757	665	596	566				
9	972	765	638	552	949	755	633	550	736	624	546	717	616	543	700	608	540	511				
10	912	706	583	502	891	698	580	500	681	572	497	665	565	495	650	558	492	465				

Effective Floor Cavity Reflectance: 20%

IES File: **LMEZ2-W48-LED840K10LFxxx-P95**
 Lumens: **N/A**
 Wattage: **32.4**
 Efficacy: **128**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	1351	32.6%
0.0° - 40.0°	2234	53.9%
0.0° - 60.0°	3626	87.5%
0.0° - 90.0°	4102	99.1%

Average Luminance Table (cd/m2) CP Summary

	0.00°	45.00°	90.00°
0.00°	30069	30069	30069
45.00°	22455	24072	21330
55.00°	8472	15400	18558
65.00°	4511	4503	14364
75.00°	4982	2813	8367
85.00°	4107	1336	720

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%	50%	30%	10%	0%	
0	4921	4921	4921	4921	4802	4802	4802	4802	4580	4580	4580	4377	4377	4377	4190	4190	4190	4102				
1	4561	4391	4238	4101	4447	4294	4156	4031	4114	4001	3897	3948	3856	3772	3795	3722	3654	3569				
2	4198	3898	3650	3442	4090	3818	3591	3399	3669	3479	3315	3531	3373	3235	3403	3274	3158	3073				
3	3864	3474	3172	2931	3763	3407	3128	2903	3282	3044	2848	3166	2964	2795	3058	2889	2743	2658				
4	3563	3112	2781	2529	3469	3056	2748	2510	2950	2684	2473	2853	2622	2436	2761	2564	2401	2316				
5	3293	2803	2461	2208	3208	2756	2435	2195	2667	2385	2168	2583	2336	2142	2506	2290	2117	2034				
6	3053	2539	2195	1948	2974	2499	2174	1938	2423	2134	1919	2352	2096	1900	2285	2058	1881	1800				
7	2838	2313	1972	1733	2767	2278	1955	1726	2213	1923	1711	2152	1891	1697	2094	1861	1683	1605				
8	2646	2117	1784	1555	2582	2087	1770	1549	2031	1743	1538	1978	1717	1527	1928	1693	1516	1441				
9	2475	1947	1623	1404	2417	1921	1612	1400	1872	1590	1391	1826	1568	1383	1783	1547	1374	1301				
10	2322	1799	1485	1277	2269	1776	1476	1273	1734	1457	1266	1694	1439	1259	1656	1422	1252	1183				

Effective Floor Cavity Reflectance: 20%