

LMEZ 3

LED - Suspended Linear Direct/Indirect Luminaire

Project:	Catalogue #:	Type:
Notes:		

Product Description

Premium-grade, LED modular linear lighting luminaire. For use with indoor applications where continuous direct or direct/indirect linear lighting is desired. This luminaire is suitable for suspended individually or in continuous rows offers visual comfort for new-construction indoor architectural and retail applications.

Applications

Classrooms, Libraries, Office Areas, Retail Stores and Supermarkets



Features

- Lay-in frosted acrylic diffuser
- 3" width
- Standard low voltage dimming (0-10v) 1%
- Suitable for damp locations

Featured Options

- Available in lengths from 24 to 96 inches
- High Lumen Output (1500 Lumens/FT)
- Tunable white (2700 - 6500K)
- Stand-alone or Continuous Configurations
- Straight Blade Louvers
- Emergency lighting battery pack
- 80+ and 90+ CRI

Optical System

Standard lay-in frosted diffuser offer high levels of efficiency and visual comfort.

Mounting

Adjustable aircraft cable mounting system used at each hanging location.

Construction

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

Finish

White, polyester powder painted housing.

Electrical

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

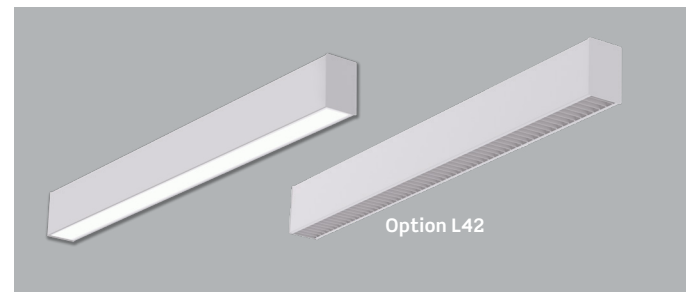
Warranty

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

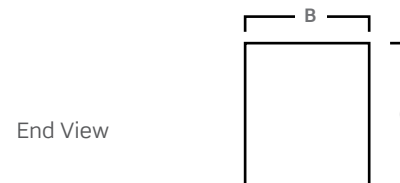
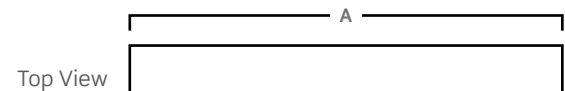


Approvals

- ETL Listed.
- Suitable for Damp Location



Dimensions



Size	A	B	C
24	22 1/4"	3"	4 1/2"
48	44 3/8"		
72	66 1/2"		
96	88 5/8"		

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

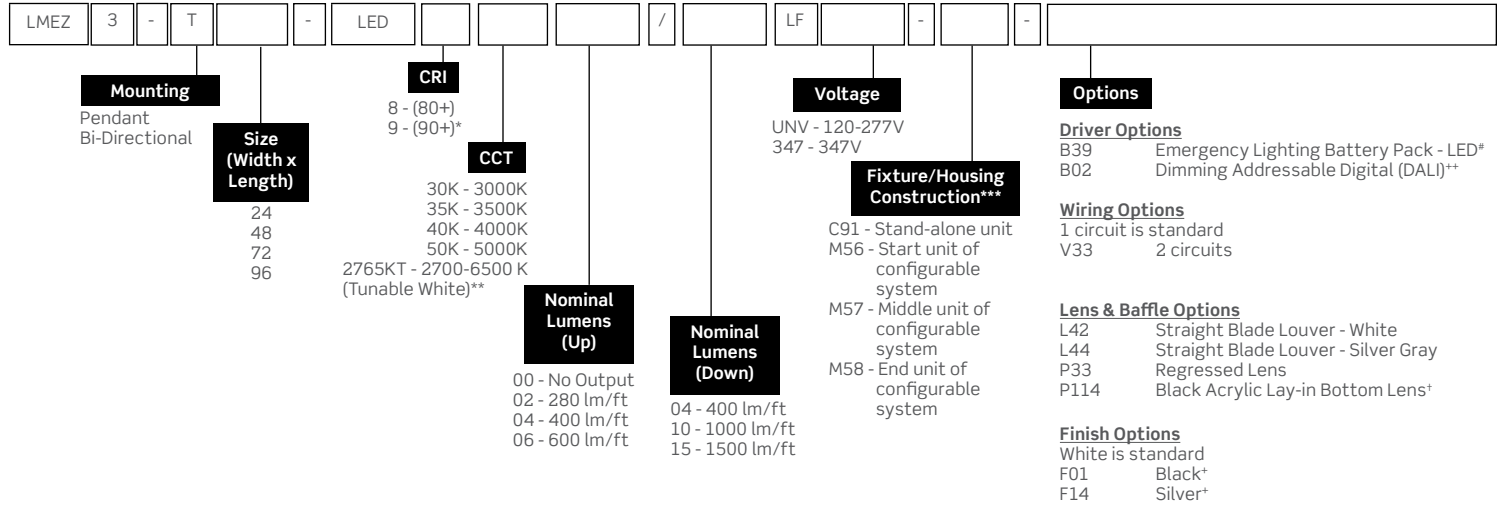
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LED - Suspended Linear Direct/Indirect Luminaire

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Order Key

EXAMPLE: LMEZ3-T48-LED835K0410LFUNV-C91L42



*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 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 stand-alone and configurable units, power feeds, canopies & air craft cables must be ordered separately. See "How to order" section for details.

Not available with 2' units. Consult factory for 48' unit compatibility

**Consult factory for availability and lead times.

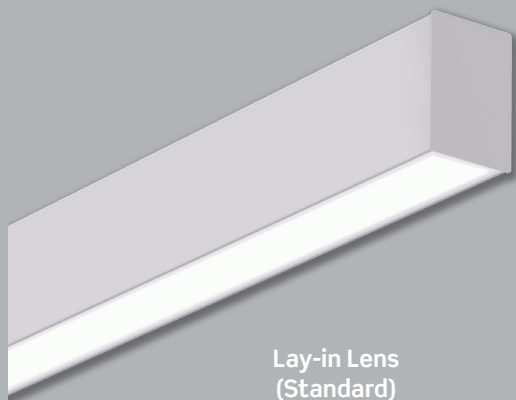
*Black (F01) reduces lumen output by 40%. Silver Gray (F14) reduces lumen output by 20%. Consult factory for higher lumen options. Black Acrylic Bottom Lens (P114) reduces lumen output by 75%.

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

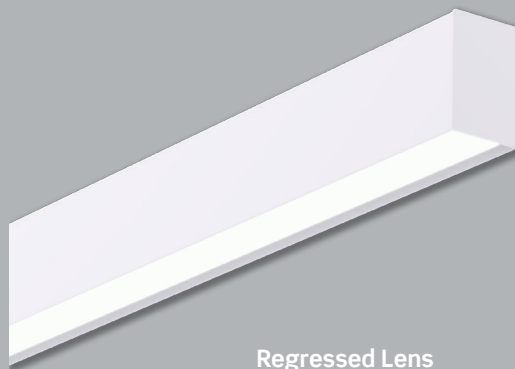
Performance Scaling Factor

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

Lens Options



Lay-in Lens (Standard)



Regressed Lens (P33 Option)

Project:	Catalogue #:	Type:
Notes:		

Performance Data

	Nominal lm per Foot Up	Total Delivered lm Up	Nominal lm per Foot Down	Total Delivered lm down	Total lm	Total W	lm/W
24"	0	-	400	847	847	7.3	116
	0	-	1000	2063	2063	18.8	110
	0	-	1500	3052	3052	29.7	103
	280	702	400	847	1549	13.4	116
	280	702	1000	2063	2765	24.9	111
	280	702	1500	3052	3754	35.8	105
	400	836	400	847	1683	14.7	114
	400	836	1000	2063	2899	26.2	111
	400	836	1500	3052	3888	37.1	105
	600	1222	400	847	2069	18.7	111
	600	1222	1000	2063	3285	30.2	109
	600	1222	1500	3052	4274	41.1	104
48"	0	-	400	1611	1611	13.9	116
	0	-	1000	4127	4127	37.7	109
	0	-	1500	6009	6009	58.3	103
	280	1133	400	1611	2744	20.7	133
	280	1133	1000	4127	5260	44.5	118
	280	1133	1500	6009	7142	65.1	110
	400	1602	400	1611	3213	23.8	135
	400	1602	1000	4127	5729	47.6	120
	400	1602	1500	6009	7611	68.2	112
	600	2467	400	1611	4078	29.3	139
	600	2467	1000	4127	6594	53.1	124
	600	2467	1500	6009	8476	73.7	115
72"	0	0	400	2458	2458	21.2	116
	0	0	1000	6190	6190	56.5	110
	0	0	1500	9061	9061	88	103
	280	1835	400	2458	4293	34.1	126
	280	1835	1000	6190	8025	69.4	116
	280	1835	1500	9061	10896	100.9	108
	400	2438	400	2458	4896	38.5	127
	400	2438	1000	6190	8628	73.8	117
	400	2438	1500	9061	11499	105.3	109
	600	3689	400	2458	6147	48	128
	600	3689	1000	6190	9879	83.3	119
	600	3689	1500	9061	12750	114.8	111
96"	0	-	400	3222	3222	27.8	116
	0	-	1000	8254	8254	75.4	109
	0	-	1500	12018	12018	116.6	103
	280	2266	400	3222	5488	41.4	133
	280	2266	1000	8254	10520	89	118
	280	2266	1500	12018	14284	130.2	110
	400	3204	400	3222	6426	47.6	135
	400	3204	1000	8254	11458	95.2	120
	400	3204	1500	12018	15222	136.4	112
	600	4934	400	3222	8156	58.6	139
	600	4934	1000	8254	13188	106.2	124
	600	4934	1500	12018	16952	147.4	115

NOTE: Lumens and wattage based on 80CRI 4000K CCT at 25 Degrees Celsius

Project:	Catalogue #:	Type:
Notes:		

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) Select suspension kit(s) and power feed(s) ‡

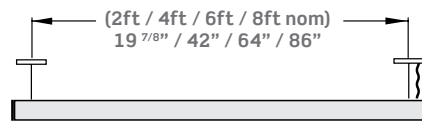
Part#	Description
KIT00292 (White) KIT00237 (Black)	48" Aircraft Cable & Canopy
KIT00293 (White) KIT00238 (Black)	5-Wire 18ga UNV Power Supply with 48" Aircraft Cable & Canopy
KIT00230 (White) KIT00253 (Black)†	6-Wire UNV Power Feed with 48" Air Craft Cable & Canopy (Emergency)
KIT00294 (White)	3-Wire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

‡One power feed is recommended for every six 8' units based on 1000 lumens per foot on 120V 15A current. For other suspension kit lengths, please consult factory
Emergency suspension kit required for each fixture containing emergency battery pack

Popular Configurations

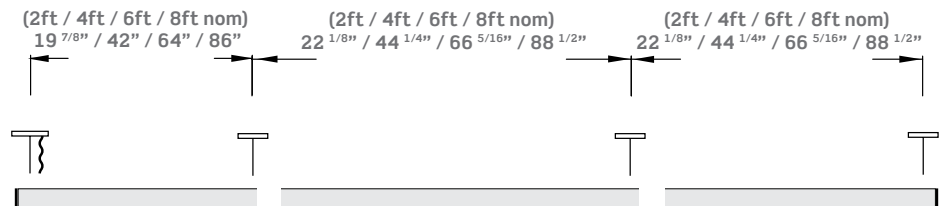
Stand-alone (UNV)

Part #	Description	Qty.
C91 Unit		1
KIT00292		1
KIT00293		1



Row mount (UNV)

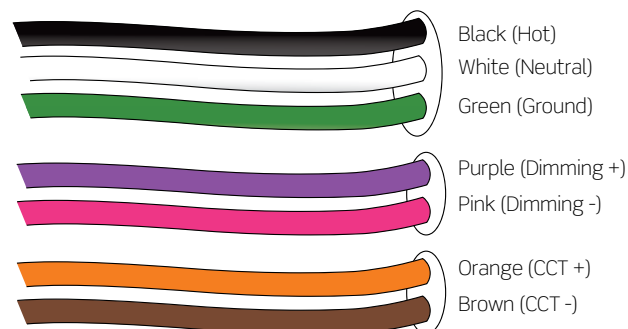
Part #	Description	Qty.
M56 Unit		1
M57 Unit		1
M58 Unit		1
KIT00292		3
KIT00293		1



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.

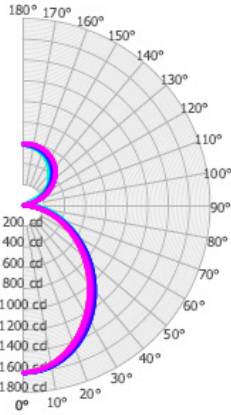
Dim and CCT control wire colors are subject to change without notice. All control wires are marked per the parentheses.



Project:	Catalogue #:	Type:
Notes:		

Photometrics

IES File: **LMEZ3-T48-LED840K04/10LFUNV-C91**
 Lumens: **5729**
 Wattage: **48**
 Efficacy: **119**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	1202	21.0%
0.0° - 40.0°	1922	33.5%
0.0° - 60.0°	3256	56.8%
0.0° - 90.0°	4098	71.5%
0.0° - 110.0°	4189	73.1%
0.0° - 130.0°	4659	81.3%
0.0° - 150.0°	5267	91.9%
0.0° - 170.0°	5673	99.0%
0.0° - 180.0°	5729	100.0%

Coefficients of Utilization

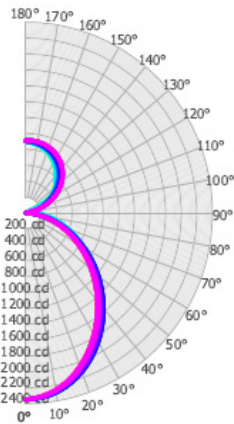
pc	80%			70%			50%		
	70%	50%	30%	70%	50%	30%	70%	50%	30%
0	112	112	112	106	106	106	95	95	95
1	102	98	94	97	93	89	86	83	81
2	93	85	79	88	81	75	78	73	69
3	85	75	67	80	71	65	71	65	59
4	78	67	58	74	63	56	65	57	51
5	72	60	51	68	57	49	60	52	45
6	66	54	45	62	51	43	56	47	40
7	61	49	40	58	46	39	52	42	36
8	57	44	36	54	42	35	48	39	32
9	53	40	33	50	39	32	45	36	29
10	50	37	30	47	36	29	42	33	27

Average Luminance Table (cd/m2) CP Summary

	0.00°	45.00°	90.00°
0.00°	18831	18831	18831
45.00°	14380	14876	15685
55.00°	13108	13617	14512
65.00°	11823	12320	12873
75.00°	10375	10781	10555
85.00°	8439	8841	4152

Effective Floor Cavity Reflectance: 20%

IES File: **LMEZ3-T48-LED840K06/15LFUNV-C91**
 Lumens: **8476**
 Wattage: **74**
 Efficacy: **115**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	1751	20.7%
0.0° - 40.0°	2799	33.0%
0.0° - 60.0°	4741	55.9%
0.0° - 90.0°	5968	70.4%
0.0° - 110.0°	6107	72.0%
0.0° - 130.0°	6829	80.6%
0.0° - 150.0°	7765	91.6%
0.0° - 170.0°	8390	99.0%
0.0° - 180.0°	8476	100.0%

Coefficients of Utilization

pc	80%			70%			50%		
	70%	50%	30%	70%	50%	30%	70%	50%	30%
0	112	112	112	106	106	106	95	95	95
1	102	98	93	96	92	89	86	83	80
2	93	85	79	88	81	75	78	73	68
3	85	75	67	80	71	64	71	64	59
4	78	66	58	73	63	56	65	57	51
5	71	59	51	67	57	49	60	51	45
6	66	53	45	62	51	43	55	46	40
7	61	48	40	58	46	39	51	42	36
8	57	44	36	54	42	35	48	38	32
9	53	40	33	50	39	31	45	35	29
10	50	37	30	47	36	29	42	33	27

Average Luminance Table (cd/m2) CP Summary

	0.00°	45.00°	90.00°
0.00°	27422	27422	27422
45.00°	20950	21665	22839
55.00°	19100	19839	21125
65.00°	17204	17934	18762
75.00°	15088	15738	15381
85.00°	12417	12819	6122

Effective Floor Cavity Reflectance: 20%