

LMEZ 2 Direct - Suspended, Ceiling & Wall

LED - 2" Linear Architectural Luminaire

Project:	Catalogue:	Type:
Notes:		

Product Description

Premium-grade linear LED luminaire designed for use in indoor applications where continuous direct linear lighting is desired. This luminaire is suitable for suspended and surface mount (ceiling or wall) individual or in continuous rows and offers visual comfort for indoor new-construction architectural and retail applications.

Applications

Classrooms, Libraries, Office Areas, Retail Stores



Features

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

Featured Options

- Available in lengths from 24 to 96 inches
- Lumen Output up to 1000 Lumens/FT
- Tunable white (2700 - 6500K)
- Stand-alone or continuous configurations
- Straight blade available (See ordering key)
- Emergency lighting battery pack
- 80+ and 90+ CRI

Optical System

Standard lay-in frosted diffuser offers high levels of efficiency and visual comfort. Regressed lens option available (see ordering key).

Mounting

Various adjustable aircraft cable kits available. (Sold separately, see 'How to order'). Dimensions shown only for standard, no sensor configurations. 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

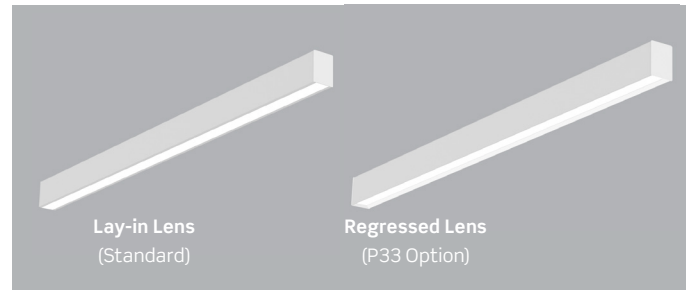
Long life LED's coupled with high efficiency drivers provide quality illumination. Rated to deliver L80 performance > 60,000 hours.

Warranty

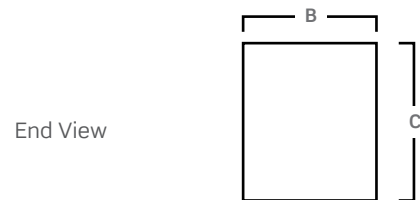
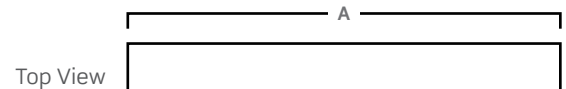
5 year limited warranty. For complete warranty, click here: 

Approvals

- ETL Listed.
- Suitable for Damp Location



Dimensions



Size	A	B	C
24	22 1/4"	2"	4"
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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Order Key

EXAMPLE: LMEZ2-P48-LED835K0410LFUNV-C91L42

LMEZ	2	-		-	LED				LF		-		
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Mounting

P - Pendant
C - Surface Ceiling
Downlight
W - Wall Downlight

Size (Width x Length)

24
48
72
96

CRI

8 - (80+)
9 - (90+)*

CCT

30K - 3000K
35K - 3500K
40K - 4000K
50K - 5000K
2765KT - 2700-6500 K
(Tunable White)**

Nominal Lumens

04 - 400 lm/ft
10 - 1000 lm/ft

Voltage

UNV - 120-277V
347 - 347V

Fixture/Housing Construction***

C91 - Stand-alone unit
M56 - Start unit of configurable system
M57 - Middle unit of configurable system
M58 - End unit of configurable system

Options

Driver Options

B39 Emergency Lighting Battery Pack - LED
(Available for lengths longer than 2ft.)
B02 Dimming Addressable Digital (DALI)**

Lens & Baffle Options

Frosted lens is standard (P73)
P33 Regressed Lens
P114 Black Acrylic Lay-in Bottom Lens*
P13 Clear Prismatic Acrylic P12 - (0.125" Thick)
L42 Straight Blade Louver - White
L43 Straight Blade Louver - Black
L44 Straight Blade Louver - Silver Gray

Finish Options

White is standard (F09)
F01 Black*
F14 Silver*
F99 Custom RAL (Specify RAL No.)***
Note: This will not apply to any recessed products.

Packaging Option

K0 Bulk Pack/Pallet Packed and/or Wrapped

Wiring Options

V76 Leviton Intellect Solo
V99(xx) Fixture-integrated networked lighting components

Controls Options

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

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

†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%.

**Consult factory for availability and lead times.

***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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Performance Data for Lay-in and Regressed Lens

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

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

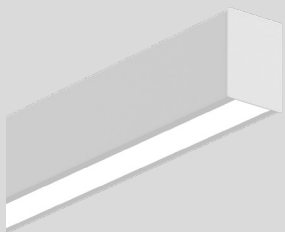
Lifetime Expectancy

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

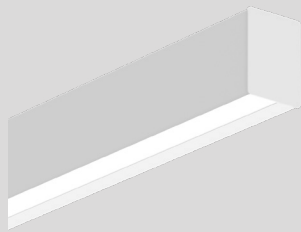
NOTE: Lumens and wattage based on 80CRI 4000K CCT at 25 Degrees Celsius

EM Ordering Guide

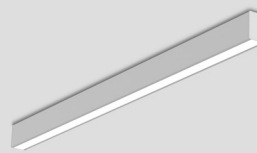
EM Function	Order Code	Description	Notes
Standard EM	B39	10W EM battery pack	
High wattage EM	B39(20W)	20W EM pack	
347V EM	347...B39	8W 347V EM	fixture part number indicates 347V input voltage.
347 High Wattage EM	347...B39(20W)	20W 347V EM pack	fixture part number indicates 347V input voltage.
Self 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



**Lay-in Lens
(Standard)**



**Regressed Lens
(P33 Option)**



**Lay-in Lens
Ceiling Downlight**



**Lay-in Lens
Wall Downlight**

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Project:	Catalogue:	Type:
Notes:		

How to Order - Suspended Installation

Step 1) Select desired unit from order key above

Step 2) Select suspension kit(s) and power feed(s) ‡

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

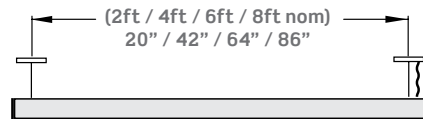
Part#	Description
KIT00292 (White) KIT00237 (Black)	48" Aircraft Cable & Canopy
KIT00293 (White) KIT00238 (Black)	5-Wire 18ga UNV Power Supply with 48" Aircraft Cable & Canopy
KIT00230 (White) KIT00253 (Black)†	6-Wire UNV Power Feed with 48" Air Craft Cable & Canopy (Emergency)
KIT00294 (White)	3-Wire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

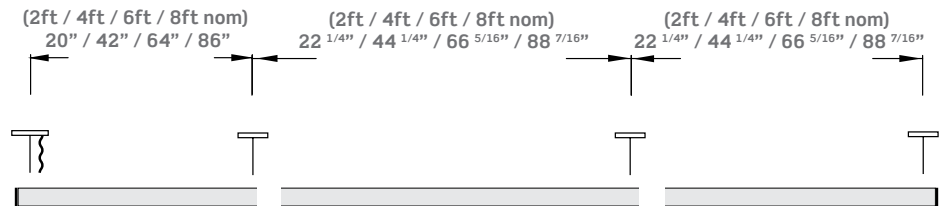
Stand-alone (UNV)

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



Dimensions shown only for standard, no sensor configurations.

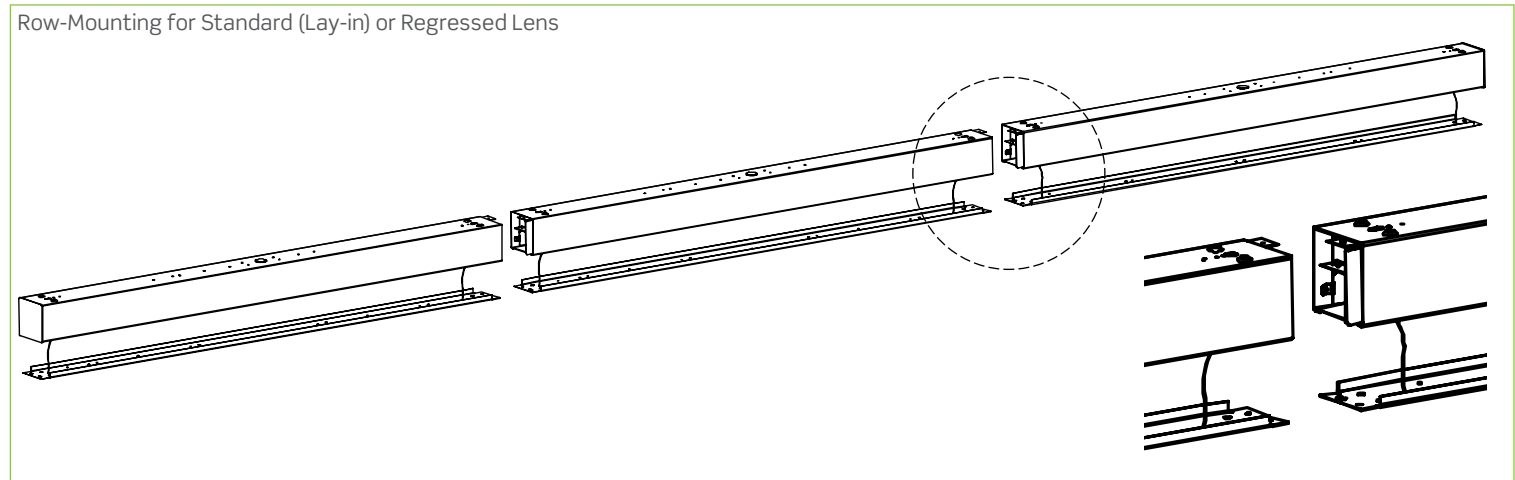
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Project:	Catalogue:	Type:
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Row mounting joiners

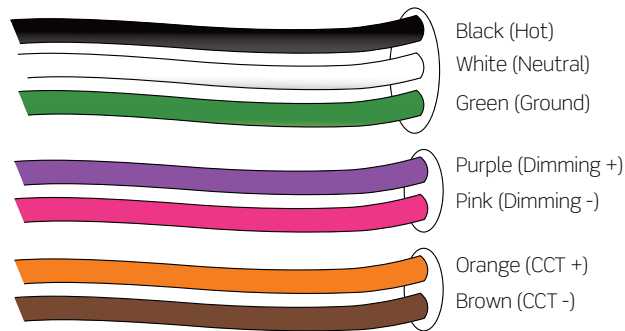
The LMEZ 2 series features an integrated joining mechanism with three points of contact. It ensures precise alignment, secure connections, and effective light-leak control. Whether creating straight rows or continuous installations, the LMEZ 2 delivers form and function.



Tunable White

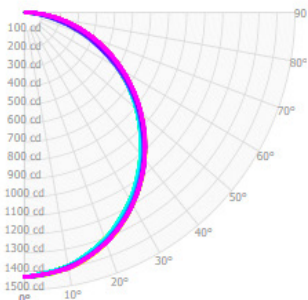
When Selecting 2765KT, if a tunable white-compatible control is not selected the luminaire will come standard with two sets of 0-10V wires for dimming and color tuning. For compatible control options please consult factory.

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



Photometrics

IES File: **LMEZ2-C48-LED840K10LFxxx-P73**
Lumens: **N/A**
Wattage: **44.1**
Efficacy: **91**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	1099	27.2%
0.0° - 40.0°	1793	44.4%
0.0° - 60.0°	3153	78.2%
0.0° - 90.0°	4034	100.0%

Average Luminance Table (cd/m²) CP Summary

	0.00°	45.00°	90.00°
0.00°	24866	24866	24866
45.00°	23105	22958	23176
55.00°	22328	22107	22076
65.00°	21389	21075	20121
75.00°	20321	19825	16789
85.00°	20178	18674	6284

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	4802	4802	4802	4802	4691	4691	4691	4691	4482	4482	4482	4292	4292	4292	4116	4116	4116	4034						
1	4377	4179	4002	3843	4266	4087	3926	3780	3915	3782	3660	3757	3648	3548	3611	3523	3442	3356						
2	3975	3636	3356	3121	3868	3559	3302	3084	3415	3198	3011	3282	3101	2942	3159	3009	2876	2787						
3	3621	3190	2856	2590	3520	3126	2816	2567	3005	2739	2520	2893	2666	2476	2789	2597	2433	2344						
4	3314	2825	2466	2192	3221	2771	2436	2177	2669	2377	2146	2574	2321	2116	2486	2268	2087	1999						
5	3047	2523	2157	1886	2962	2477	2133	1876	2391	2087	1855	2311	2044	1834	2236	2002	1814	1727						
6	2814	2271	1907	1646	2736	2233	1889	1638	2160	1852	1623	2091	1818	1609	2027	1784	1594	1510						
7	2610	2060	1703	1453	2539	2027	1688	1447	1964	1659	1437	1906	1631	1426	1851	1604	1415	1334						
8	2429	1880	1534	1296	2366	1851	1521	1292	1798	1498	1284	1747	1475	1275	1700	1452	1267	1190						
9	2270	1725	1391	1166	2212	1701	1381	1163	1655	1362	1156	1611	1343	1150	1570	1324	1144	1070						
10	2128	1592	1271	1057	2076	1571	1263	1055	1531	1246	1050	1493	1230	1045	1457	1215	1040	969						

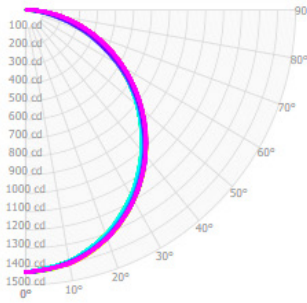
Effective Floor Cavity Reflectance: 20%

LMEZ 2 Direct - Suspended, Ceiling & Wall

LED - 2" Linear Architectural Luminaire

Project:	Catalogue:	Type:
Notes:		

IES File: **LMEZ2-W48-LED840K10LFxxx-P73**
 Lumens: **N/A**
 Wattage: **44.1**
 Efficacy: **91**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	1099	27.2%
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	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
pw	4802	4802	4802	4802	4691	4691	4691	4691	4482	4482	4482	4482	4292	4292	4292	4116	4116	4116	4116	4034	4034			
0	4802	4802	4802	4802	4691	4691	4691	4691	4482	4482	4482	4482	4292	4292	4292	4116	4116	4116	4116	4034	4034			
1	4377	4179	4002	3843	4266	4087	3926	3780	3915	3782	3660	3757	3648	3548	3611	3523	3442	3356	3356	3356	3356			
2	3975	3636	3356	3121	3868	3559	3302	3084	3415	3198	3011	3282	3101	2942	3159	3009	2876	2787	2787	2787	2787			
3	3621	3190	2856	2590	3520	3126	2816	2567	3005	2739	2520	2893	2666	2476	2789	2597	2433	2344	2344	2344	2344			
4	3314	2825	2466	2192	3221	2771	2436	2177	2669	2377	2146	2574	2321	2116	2486	2268	2087	1999	1999	1999	1999			
5	3047	2523	2157	1886	2962	2477	2133	1876	2391	2087	1855	2311	2044	1834	2236	2002	1814	1727	1727	1727	1727			
6	2814	2271	1907	1646	2736	2233	1889	1638	2160	1852	1623	2091	1818	1609	2027	1784	1594	1510	1510	1510	1510			
7	2610	2060	1703	1453	2539	2027	1688	1447	1964	1659	1437	1906	1631	1426	1851	1604	1415	1334	1334	1334	1334			
8	2429	1880	1534	1296	2366	1851	1521	1292	1798	1498	1284	1747	1475	1275	1700	1452	1267	1190	1190	1190	1190			
9	2270	1725	1391	1166	2212	1701	1381	1163	1655	1362	1156	1611	1343	1150	1570	1324	1144	1070	1070	1070	1070			
10	2128	1592	1271	1057	2076	1571	1263	1055	1531	1246	1050	1493	1230	1045	1457	1215	1040	969	969	969	969			

Effective Floor Cavity Reflectance: 20%