

Project Name

Qty

Catalog / Part Number

Body color
Black

White



LKM | Luci KIWA mono™

Color management
MacAdam 3 step



1 years warranty

Model No.

LKM10



Product name/LED Pitch	Length	Lead Wire	Light source color	Cover type	Environment	Wattage	Connector
LKM10	0154 0294 0434 0574 0714 0994 1274	W : Both ends S : One end	D : 6500K L27 : 2700K N : 5000K L25 : 2500K W : 4000K L22 : 2200K WW : 3500K L20 : 2000K L30 : 3000K L18 : 1800K	25 : 25° 40 : 40° 60 : 60° DF : Diffuser	I : Indoor	1 : 1.8 W/m 3 : 3.8 W/m 5 : 5.8 W/m 7 : 7.8 W/m 11 : 11.7 W/m 23 : 23.6 W/m	B : Black W : White

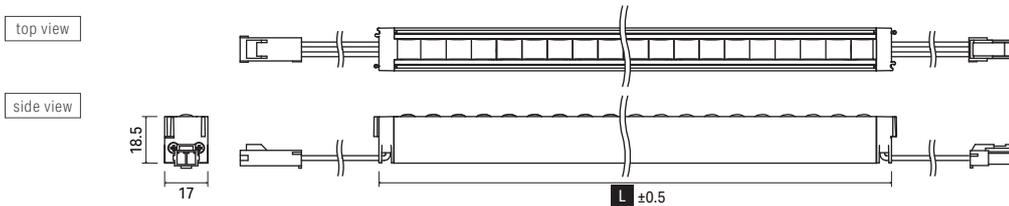
Specification

Model No.	LKM10-□□□□□-□-□-□-□-□					
Wattage Code	1	3	5	7	11	23
Wattage (W/m)	1.8	3.8	5.8	7.8	11.7	23.6
Fitting length (L)	154mm, 294mm, 434mm, 574mm, 714mm, 994mm, 1274mm					
Weight	430 g / m					
Luminaire efficacy (@ 40°, 2700K)	122.4 lm/W	121.3 lm/W	120.2 lm/W	119.0 lm/W	116.8 lm/W	111.3 lm/W
Light source color	D: 6500K, N: 5000K, W: 4000K, WW: 3500K, L30: 3000K, L27: 2700K L27: 2700K, L25: 2500K, L22: 2200K, L20: 2000K, L18: 1800K					

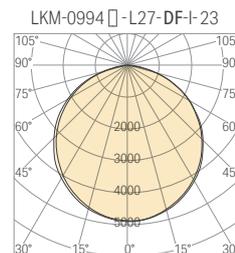
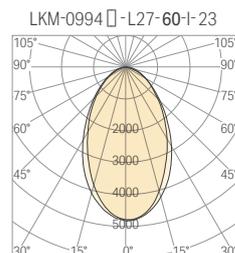
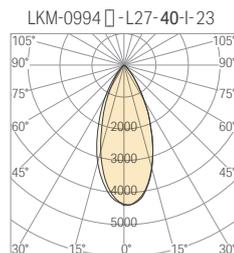
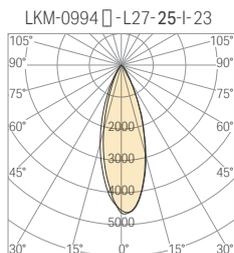
General Specification

Input voltage	DC24V
Environment	Indoor (no condensation)
Operating temperature	0°C - +35°C (no condensation)
Max. length per circuit	10 m 10 m 10 m 10 m 8 m 4.4 m
Material (body)	Aluminum, Polycarbonate
Attachments	① Mounting clip for KIWA mono
Accessories	① Mounting clip for KIWA mono ② Mounting lift clip for KIWA mono ③ Adjustable base for KIWA mono clip ④ Power supply cable 3M ⑤ Joint cable 1M ⑥ Magnet set L
Certification	CE
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM, Casambi)

External dimensions



Light Intensity

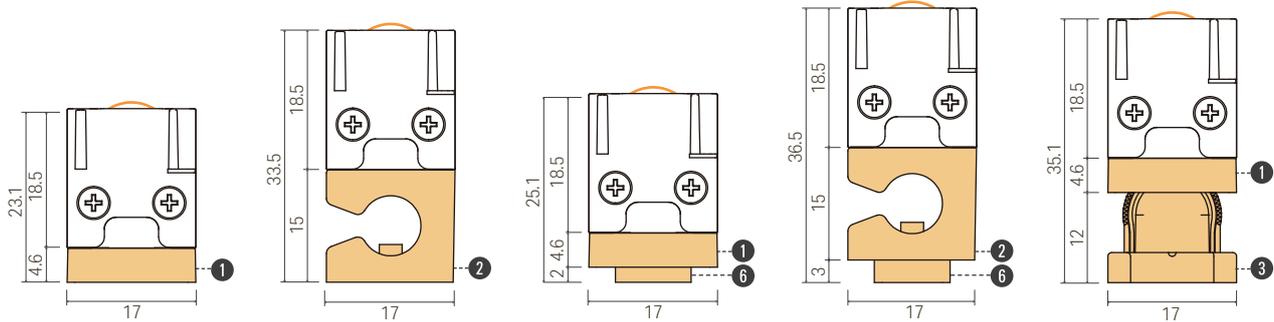


Luminous flux

Wattage Code			1	3	5	7	11	23
@25°								
D	6500K	Ra 94	235 lm/m	494 lm/m	747 lm/m	994 lm/m	1464 lm/m	2815 lm/m
N	5000K	Ra 95	234 lm/m	489 lm/m	740 lm/m	985 lm/m	1450 lm/m	2789 lm/m
W	4000K	Ra 94	229 lm/m	481 lm/m	727 lm/m	967 lm/m	1425 lm/m	2739 lm/m
WW	3500K	Ra 95	227 lm/m	476 lm/m	720 lm/m	959 lm/m	1412 lm/m	2716 lm/m
L30	3000K	Ra 94	221 lm/m	463 lm/m	700 lm/m	932 lm/m	1373 lm/m	2640 lm/m
L27	2700K	Ra 94	208 lm/m	437 lm/m	661 lm/m	880 lm/m	1296 lm/m	2492 lm/m
L25	2500K	Ra 94	154 lm/m	323 lm/m	488 lm/m	651 lm/m	958 lm/m	1844 lm/m
L22	2200K	Ra 94	144 lm/m	301 lm/m	455 lm/m	607 lm/m	893 lm/m	1719 lm/m
L20	2000K	Ra 92	131 lm/m	275 lm/m	416 lm/m	554 lm/m	816 lm/m	1569 lm/m
L18	1800K	Ra 92	127 lm/m	266 lm/m	403 lm/m	536 lm/m	789 lm/m	1520 lm/m
@40°								
D	6500K	Ra 94	248 lm/m	520 lm/m	787 lm/m	1048 lm/m	1543 lm/m	2966 lm/m
N	5000K	Ra 95	246 lm/m	516 lm/m	780 lm/m	1038 lm/m	1530 lm/m	2940 lm/m
W	4000K	Ra 94	242 lm/m	506 lm/m	766 lm/m	1021 lm/m	1502 lm/m	2888 lm/m
WW	3500K	Ra 95	240 lm/m	502 lm/m	759 lm/m	1011 lm/m	1489 lm/m	2862 lm/m
L30	3000K	Ra 94	233 lm/m	488 lm/m	738 lm/m	983 lm/m	1448 lm/m	2782 lm/m
L27	2700K	Ra 94	220 lm/m	460 lm/m	697 lm/m	928 lm/m	1366 lm/m	2626 lm/m
L25	2500K	Ra 94	162 lm/m	340 lm/m	515 lm/m	686 lm/m	1010 lm/m	1942 lm/m
L22	2200K	Ra 94	151 lm/m	317 lm/m	480 lm/m	640 lm/m	941 lm/m	1810 lm/m
L20	2000K	Ra 92	138 lm/m	290 lm/m	439 lm/m	584 lm/m	859 lm/m	1654 lm/m
L18	1800K	Ra 92	134 lm/m	280 lm/m	425 lm/m	565 lm/m	833 lm/m	1600 lm/m
@60°								
D	6500K	Ra 94	215 lm/m	449 lm/m	680 lm/m	906 lm/m	1334 lm/m	2562 lm/m
N	5000K	Ra 95	213 lm/m	445 lm/m	674 lm/m	898 lm/m	1322 lm/m	2540 lm/m
W	4000K	Ra 94	209 lm/m	437 lm/m	662 lm/m	882 lm/m	1298 lm/m	2494 lm/m
WW	3500K	Ra 95	207 lm/m	433 lm/m	656 lm/m	874 lm/m	1286 lm/m	2472 lm/m
L30	3000K	Ra 94	201 lm/m	421 lm/m	638 lm/m	850 lm/m	1251 lm/m	2404 lm/m
L27	2700K	Ra 94	190 lm/m	398 lm/m	601 lm/m	802 lm/m	1180 lm/m	2267 lm/m
L25	2500K	Ra 94	140 lm/m	294 lm/m	445 lm/m	593 lm/m	873 lm/m	1678 lm/m
L22	2200K	Ra 94	131 lm/m	274 lm/m	415 lm/m	553 lm/m	814 lm/m	1564 lm/m
L20	2000K	Ra 92	119 lm/m	250 lm/m	379 lm/m	505 lm/m	743 lm/m	1428 lm/m
L18	1800K	Ra 92	116 lm/m	242 lm/m	367 lm/m	489 lm/m	720 lm/m	1383 lm/m
@Diffuser								
D	6500K	Ra 94	138 lm/m	290 lm/m	439 lm/m	585 lm/m	862 lm/m	1656 lm/m
N	5000K	Ra 95	137 lm/m	288 lm/m	435 lm/m	580 lm/m	854 lm/m	1641 lm/m
W	4000K	Ra 94	135 lm/m	282 lm/m	427 lm/m	570 lm/m	839 lm/m	1612 lm/m
WW	3500K	Ra 95	134 lm/m	280 lm/m	424 lm/m	564 lm/m	831 lm/m	1597 lm/m
L30	3000K	Ra 94	130 lm/m	272 lm/m	412 lm/m	549 lm/m	808 lm/m	1553 lm/m
L27	2700K	Ra 94	122 lm/m	257 lm/m	388 lm/m	518 lm/m	762 lm/m	1465 lm/m
L25	2500K	Ra 94	90 lm/m	190 lm/m	287 lm/m	383 lm/m	564 lm/m	1084 lm/m
L22	2200K	Ra 94	84 lm/m	177 lm/m	268 lm/m	357 lm/m	526 lm/m	1011 lm/m
L20	2000K	Ra 92	77 lm/m	162 lm/m	245 lm/m	326 lm/m	480 lm/m	923 lm/m
L18	1800K	Ra 92	75 lm/m	156 lm/m	237 lm/m	316 lm/m	465 lm/m	893 lm/m



Cross sectional view with accessories

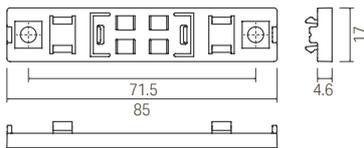


Accessories

1 Mounting clip for KIWA mono Attachment

Model No : LKM-PT-A
4pcs/1bag

Magnet mounting available
6 Magnet set L

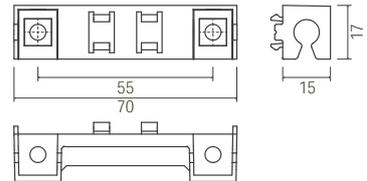


Attachment	
Length	Number of clip
0154	1
0294	2
0434	2
0574	3
0714	3
0994	4
1274	4

2 Mounting lift clip for KIWA mono

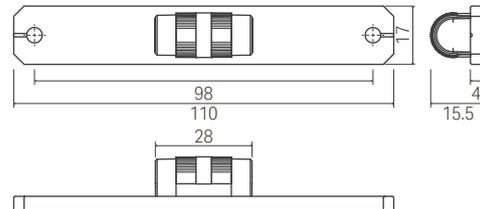
Model No : LKM-PT-B
4pcs/1bag

Magnet mounting available
6 Magnet set L



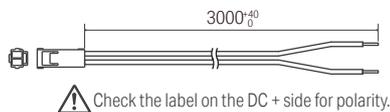
3 Adjustable base for KIWA mono clip

Model No : LKW-PT-D
4pcs/1bag



4 Power supply cable 3M

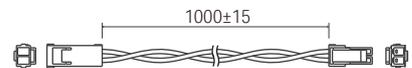
Model No : CAD-3000-MCNN-I
1 pcs per circuit for connecting the LED fixture to power supply or dimmer driver.



⚠ Check the label on the DC + side for polarity.

5 Joint cable 1M

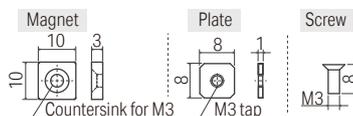
Model No : CAD-1000-MCFC-I
For securing the joining of two cables



6 Magnet set L

Model No : MG-L
10 sets/bag

Required 2 pcs per Clip
Used for installing LED fixture with 1 Mounting clip or 2 Mounting lift clip on metal plate.
Metal plate is required by installer.



Mounting clip positions and quantities by length

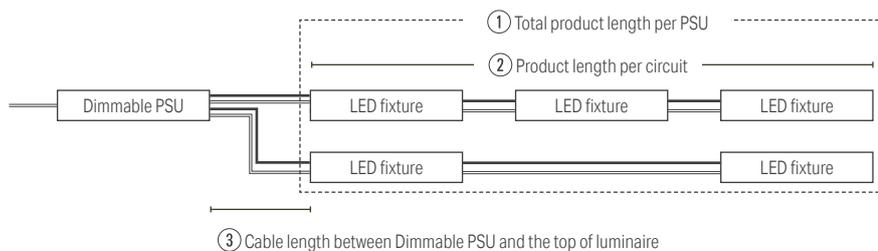
The recommended number and position of mounting clips for each length are as follows.

The number of clips must be the same for the 1 Mounting clip for KIWA mono (LKM-PT-A), 2 Mounting lift clip for KIWA mono (LKM-PT-B), and 3 Adjustable base for KIWA clip (LKW-PT-D).

Length	Number of clip
0154	1
0294	2
0434	2
0574	3
0714	3
0994	4
1274	4



System configuration diagram



- ① Total product length per Dimmable PSU depends on capacity of the Dimmable PSU. Recommended loading factor is 70% (without dimming) or 60% (with dimming).
- ② Product length per circuit shall not exceed maximum product length per circuit. If the product length per circuit exceeds the maximum, split into multiple circuits.
- ③ To minimize voltage drop, select appropriate wire gauge/diameter and consider the cable length between Dimmable PSU and the top of luminaire referring to the following table. If longer cable distances are required, use thicker wires or reduce the loading of the LED fixtures in the circuit.

Dimmer

Model No.	Size (mm) (L × W × H)
DIM-S2L8V-0	167 × 51 × 23

Dimmable PSU

Model No.	Size (mm) (L × W × H)
PWM-200-24	195 × 68 × 39.5
PWM-120-24	191 × 63 × 37.5
PWM-90-24	171 × 63 × 37.5
PWM-60-24	150 × 53 × 35
PWM-40-24	150 × 53 × 35

Dimmer & Dimmable PSU	PX0408 (8A × 4ch)-Use 1ch only	PX0408 (8A × 4ch)-Use 1ch only	PWM-200-24	PWM-120-24	PWM-90-24	PWM-60-24	PWM-40-24
	DALI6010 (10A × 1ch)	DALI6010 (10A × 1ch)					
	DIM-S1L10V-0 (10A × 1ch)	DIM-S1L10V-0 (10A × 1ch)					
	connectable up to 5A, when using 200W DC24V PSU as 60% load factor	connectable up to 3.75A, when using 150W DC24V PSU as 60% load factor	connect up to 140W as 70% load	connect up to 84W as 70% load	connect up to 63W as 70% load	connect up to 42W as 70% load	connect up to 28W as 70% load

Model No.	Wattage (W/m)	Max. length per circuit (m)	① Connectable length per Dimmer & Dimmable PSU (m)						
LKM10-**-**-I-1-*	1.8	10	66.6*	50*	77.7*	46.6*	35*	23.3*	15.5*
LKM10-**-**-I-3-*	3.8	10	31.5*	23.6*	36.8*	22.1*	*16.5	11*	7.3
LKM10-**-**-I-5-*	5.8	10	* Split into multiple circuit 20.6*	15.5*	24.1*	14.4*	10.8*	7.2	4.8
LKM10-**-**-I-7-*	7.8	10	15.3*	11.5*	17.9*	10.7*	8	5.3	3.5
LKM10-**-**-I-11-*	11.7	8.8	10.2*	7.6*	11.9*	7.1	5.3	3.5	2.3
LKM10-**-**-I-23-*	23.6	4	5*	3.8	5.9*	3.5	2.6	1.7	1.1

Model No.	Wattage (W/m)	Cross section	0.3sq	0.5sq	0.75sq
		Wiregauge	AWG22	AWG20	AWG18
		② Max. length per circuit (m)	③ Max. cable length between PSU and the top of luminaire at ② Max. length per circuit (m)		
LKM10-**-**-I-1-*	1.8 W/m	10	9.2	15.0	23.0
LKM10-**-**-I-3-*	3.8 W/m	10	4.2	6.8	10.5
LKM10-**-**-I-5-*	5.8 W/m	10	2.8	4.5	7.0
LKM10-**-**-I-7-*	7.8 W/m	10	2.1	3.4	3.3
LKM10-**-**-I-11-*	11.7 W/m	8	1.7	2.7	4.4
LKM10-**-**-I-23-*	23.6 W/m	4.4	1.7	2.7	4.4

