

Project Name

Qty

Catalog / Part Number

Body color
Black

White



LKMS | Luci KIWA mono - sou™

Color management
MacAdam 3 step



1 years warranty

Model No.

LKMS10 - □□□□ □ - □ - □ - □ - □ - □ - □ - □

| Product name/LED Pitch | Length | Lead Wire | Light source color | Cover type | Environment | Wattage | Connector |
|------------------------|--|------------------------------|--|---|-------------|--|------------------------|
| LKMS10 | 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 |

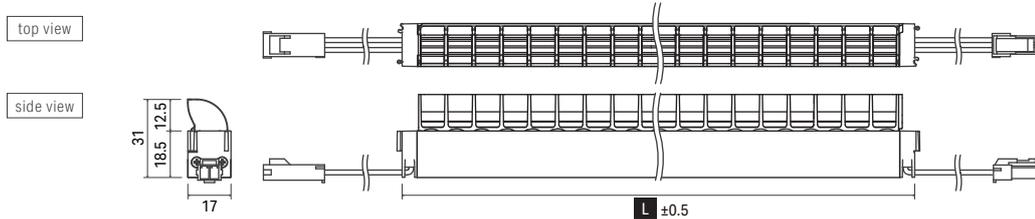
Specification

| Model No. | LKMS10 - □□□□ □ - □ - □ - □ - □ - □ | | | | | |
|-----------------------------------|---|-----------|---------|-----------|-----------|-----------|
| 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) | 66.2 lm/W | 65.6 lm/W | 65 lm/W | 64.4 lm/W | 63.2 lm/W | 60.2 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 | | | | | |

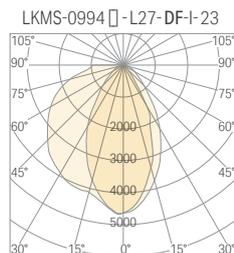
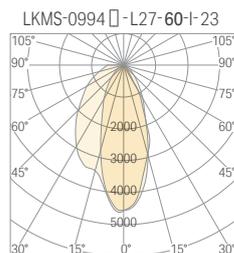
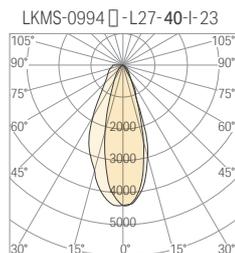
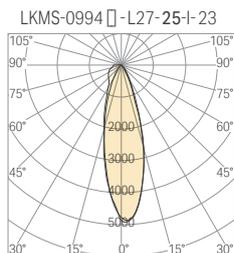
General Specification

| | |
|-------------------------|--|
| 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 Reflector sou for KIWA mono ⑤ Power supply cable 3M ⑥ Joint cable 1M ⑦ Magnet set L |
| Certification | CE |
| Dimmable | Yes (0-10V/1-10V, DMX, DALI, PWM, Casambi) |

External dimensions



Light Intensity

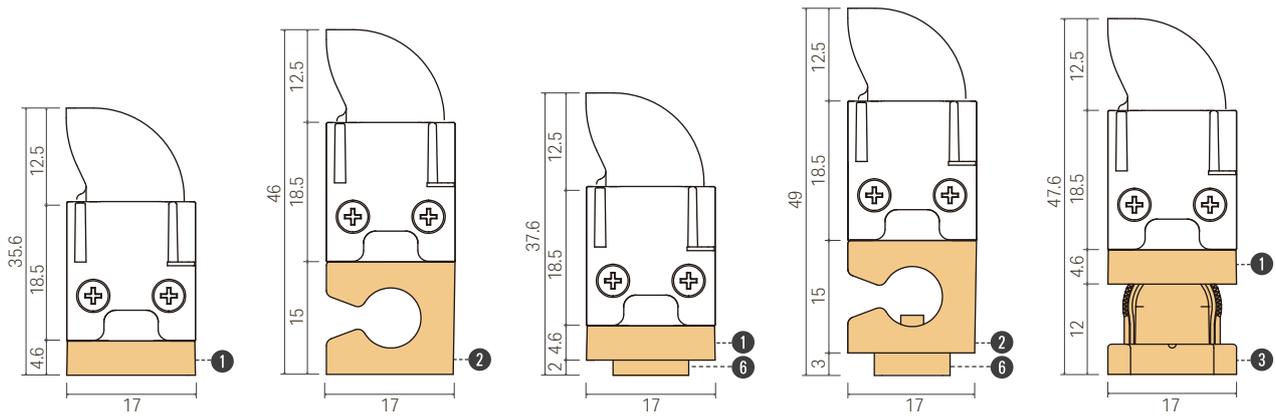


Luminous flux

| Wattage Code | | | | 1 | 3 | 5 | 7 | 11 | 23 |
|------------------|-------|-------|--|----------|----------|----------|-----------|-----------|-----------|
| @25° | | | | | | | | | |
| D | 6500K | Ra 94 | | 120 lm/m | 251 lm/m | 380 lm/m | 506 lm/m | 745 lm/m | 1432 lm/m |
| N | 5000K | Ra 95 | | 118 lm/m | 249 lm/m | 377 lm/m | 502 lm/m | 738 lm/m | 1420 lm/m |
| W | 4000K | Ra 94 | | 117 lm/m | 244 lm/m | 370 lm/m | 492 lm/m | 725 lm/m | 1394 lm/m |
| WW | 3500K | Ra 95 | | 115 lm/m | 242 lm/m | 367 lm/m | 488 lm/m | 718 lm/m | 1382 lm/m |
| L30 | 3000K | Ra 94 | | 112 lm/m | 235 lm/m | 356 lm/m | 475 lm/m | 698 lm/m | 1345 lm/m |
| L27 | 2700K | Ra 94 | | 106 lm/m | 222 lm/m | 336 lm/m | 448 lm/m | 659 lm/m | 1269 lm/m |
| L25 | 2500K | Ra 94 | | 78 lm/m | 164 lm/m | 248 lm/m | 331 lm/m | 487 lm/m | 939 lm/m |
| L22 | 2200K | Ra 94 | | 73 lm/m | 153 lm/m | 232 lm/m | 308 lm/m | 455 lm/m | 875 lm/m |
| L20 | 2000K | Ra 92 | | 66 lm/m | 140 lm/m | 212 lm/m | 282 lm/m | 415 lm/m | 797 lm/m |
| L18 | 1800K | Ra 92 | | 64 lm/m | 135 lm/m | 205 lm/m | 273 lm/m | 402 lm/m | 774 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



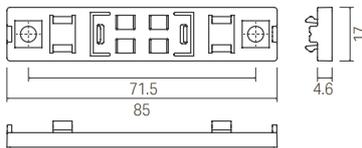
Accessories

1 Mounting clip for KIWA mono Attachment

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

Magnet mounting available

7 Magnet set L



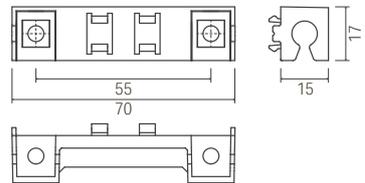
| Attachment | |
|------------|----------------|
| Length | Number of clip |
| 0154 | 1 |
| 0294 | 2 |
| 0434 | 2 |
| 0574 | 3 |
| 0714 | 3 |
| 0994 | 4 |
| 1274 | 4 |

2 Mounting lift clip for KIWA mono

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

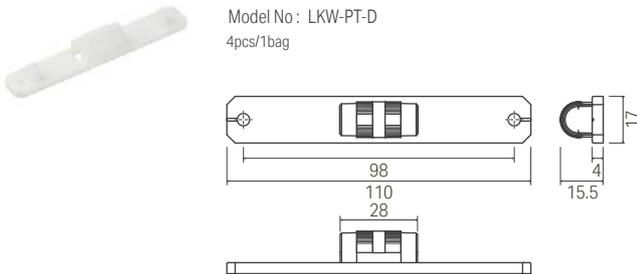
Magnet mounting available

7 Magnet set L



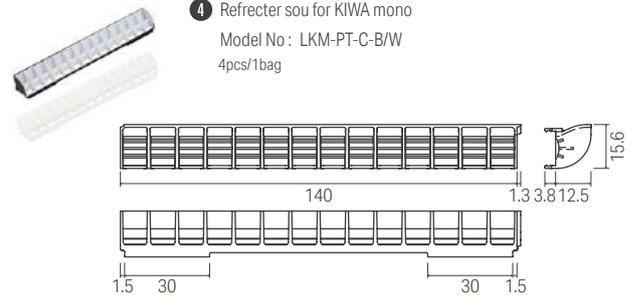
3 Adjustable base for KIWA mono clip

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



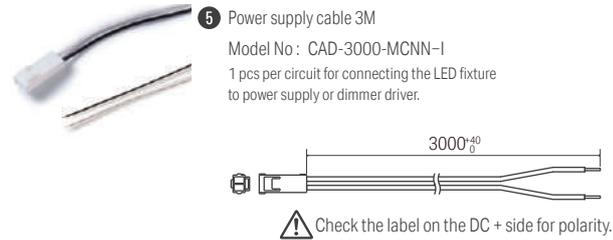
4 Refrecter sou for KIWA mono

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



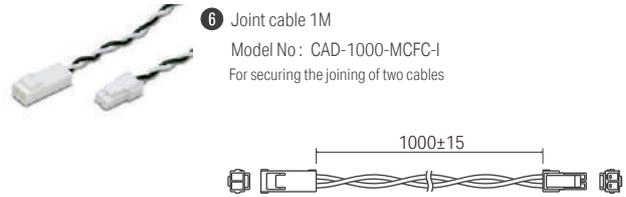
5 Power supply cable 3M

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



6 Joint cable 1M

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



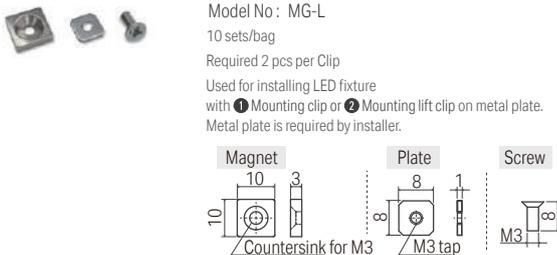
7 Magnet set L

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 |



Luci Pte. Ltd.
E-mail info@luci.co.jp

Singapore Regional HQ

13A Bukit Pasoh Road, Singapore 089827

Hong Kong Marketing Office

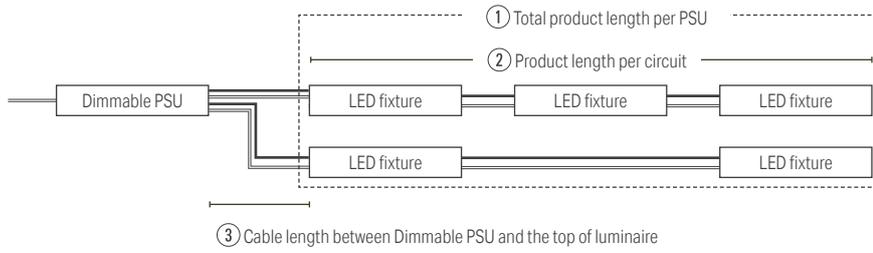
Unit 601-02, 6/F Union Park Tower, 168 Electric Road, Fortress Hill, Hong Kong

TEL +65-6291-2410

TEL +852-2219-8462



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) | * Split into multiple circuit | ① Connectable length per Dimmer & Dimmable PSU (m) | | | | | |
|---------------------|---------------|-----------------------------|-------------------------------|--|-------|-------|-------|-------|-------|
| LKMS10-**-**-I-1-* | 1.8 | 10 | 66.6* | 50* | 77.7* | 46.6* | 35* | 23.3* | 15.5* |
| LKMS10-**-**-I-3-* | 3.8 | 10 | 31.5* | 23.6* | 36.8* | 22.1* | *16.5 | 11* | 7.3 |
| LKMS10-**-**-I-5-* | 5.8 | 10 | 20.6* | 15.5* | 24.1* | 14.4* | 10.8* | 7.2 | 4.8 |
| LKMS10-**-**-I-7-* | 7.8 | 10 | 15.3* | 11.5* | 17.9* | 10.7* | 8 | 5.3 | 3.5 |
| LKMS10-**-**-I-11-* | 11.7 | 8.8 | 10.2* | 7.6* | 11.9* | 7.1 | 5.3 | 3.5 | 2.3 |
| LKMS10-**-**-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) | | |
| LKMS10-**-**-I-1-* | 1.8 W/m | 10 | 9.2 | 15.0 | 23.0 |
| LKMS10-**-**-I-3-* | 3.8 W/m | 10 | 4.2 | 6.8 | 10.5 |
| LKMS10-**-**-I-5-* | 5.8 W/m | 10 | 2.8 | 4.5 | 7.0 |
| LKMS10-**-**-I-7-* | 7.8 W/m | 10 | 2.1 | 3.4 | 3.3 |
| LKMS10-**-**-I-11-* | 11.7 W/m | 8 | 1.7 | 2.7 | 4.4 |
| LKMS10-**-**-I-23-* | 23.6 W/m | 4.4 | 1.7 | 2.7 | 4.4 |

