

Linear

# MiMi A020 (20W) Fixture Guide

# KKDÖ

Indoor/Outdoor | Surface | Max output up to 1840lm/m (561lm/ft)

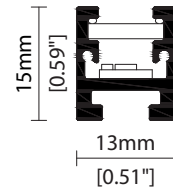


## Key applications

- ✓ Architectural detail
- ✓ Bathrooms
- ✓ Cove lighting
- ✓ Hand rail
- ✓ Indirect lighting
- ✓ Interior/Exterior
- ✓ Mirror back lighting
- ✓ Shelving display
- ✓ Under bench

## Key features

- ✓ Custom lengths
- ✓ Diffusion: Spotting
- ✓ Extensive CCT range
- ✓ Form factor: Small
- ✓ High lumen efficacy
- ✓ IP54
- ✓ IP67
- ✓ Output max



## MOUNTING METHODS



KKCP-02 Clip



KKCP-14 Locking clip



KKBK-06 Fixed bracket



KKBK-05 Adjustable bracket



EB End Cap Bracket

Linear

# MiMi A020 (20W)

## Specification sheet



<b>Dimension</b>	H15/W13/L97-2020mm* (H0.59/W0.51/L3.82-79.53in*) *Nano Louvre = 1020mm/40.16in Max
<b>PCB increment</b>	38.46mm increment/2000mm* (1.51in increment/78.74in*) *Nano Louvre = 1000mm/39.37in Max
<b>LED pitch</b>	4.8mm - 208LED/m (0.19in - 64LED/ft)
<b>Chip</b>	<b>A-line</b>
<b>Beam angle</b>	75° (Clear Cover)/95° (Diffused cover)/35° (Nano Louvre)/63° (Black Cover)
<b>Colours</b>	<b>A-line</b> 2700K/3000K/4000K
<b>Bin/Step</b>	<b>A-line</b> 3-step MacAdam ellipse
<b>CRI</b>	94
<b>Lifetime</b>	50,000 hours @ 25°C (50,000 hours @ 77°F)
<b>Operating temp</b>	T <sub>a</sub> = -25 to 50°C (T <sub>c</sub> max = 83.9°C) T <sub>a</sub> = -13 to 122°F (T <sub>c</sub> max = 183°F)
<b>IP rating</b>	IP54/IP67
<b>Finish</b>	Silver anodised
<b>Cover/lens</b>	Clear/Diffused/Diffused+Nano Louvre/Black
<b>Mounting</b>	Surface mounting via clips or brackets
<b>Power feed</b>	Sheathed hardwire tails or male/female connectors
<b>Control</b>	0-10V/1-10V/DMX/DALI



### LED Grading Key

**Exclusive Grade** \*KKDC tuned CCT range

**A-line\*** 3-step CCT range

KKDC highest lumen efficacy LED

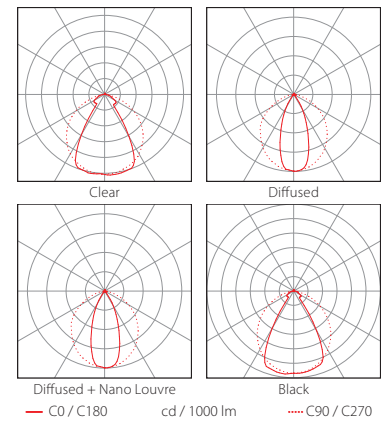
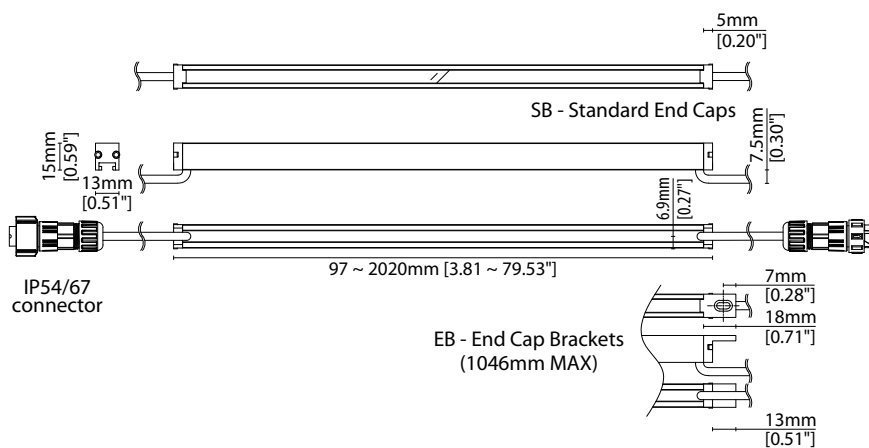
### PERFORMANCE DATA @ 3000K

Power consumption	Supply voltage	Supply current
20W/m(6.10W/ft)	24V DC	0.83A/m (0.25A/ft)

### Colour Rendering Index (CRI)

A-line	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
	95	99	99	93	94	96	92	84	64	95	94	78	96	100

	Clear	Diffused	Diffused + Nano Louvre	Black	CRI	R9	Rf	Rg
<b>A-line</b>	1840lm/m (561lm/ft) 92lm/w	1500lm/m (457lm/ft) 75lm/w	520lm/m (158lm/ft) 26lm/w	760lm/m (232lm/ft) 38lm/w	94	64	-	-



Data derived from independent UKAS/IESNA LM-79-08 accredited testing of production samples.

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# MiMi A020 (20W)

## Code Table



### FIXTURE

Model	Finish	Cover <sup>1</sup>		Grade <sup>2</sup>		LED	Colour (CCT)		Length Availability <sup>3</sup>		IP		Cable Length		Power Feed <sup>4</sup>		Fixing		Input			
MiMi	MI	Silver Anodised	SA	Clear	B	A	A	020	2700K	27	m	97-2020mm 38.46mm increments	IP54	54	300mm/ 11.81"	0300	Single ø4.3mm sheath tail	S00A	Standard End Cap	SB	DC 24V	g
				Diffused	C				3000K	30			IP67 <sup>5</sup>	67			Double ø4.3mm sheath tail	D00A	End Cap Bracket	EB		
				Diffused + Nano Louvre <sup>5</sup>	CN				4000K	40	i	3.82-79.53in 1.51in increments					Single ø4.3mm sheath IP67 connector <sup>7</sup>	S67A				
				Black	Y							(Specify length code OR total run length)					Double ø4.3mm sheath IP67 connector <sup>7</sup>	D67A				

<sup>1</sup> Refer to **Cover Options** on **Options** pages    <sup>2</sup> Refer to **LED Grading Key** on **Specification sheet** page    <sup>3</sup> Refer to **Length Availability List** or enter total run length instead of length code  
<sup>4</sup> Refer to **Power Feed Options** on **Options** pages    <sup>5</sup> Max length available with Nano Louvre is 1020mm    <sup>6</sup> Due to the clear, flush potted polyurethane top layer on IP67 MiMi a colour shift of +/-20K should be expected  
<sup>7</sup> IP67 connectors are used for both IP67 and IP54 product housings

### Code Example:

MI	-	SA	-	C	-	A	-	020	-	30	-	m	-	520	-	67	-	0300	-	S00A	-	EB	-	g
MiMi		Silver Anodised		Diffused		A		020		3000K		519.8mm		IP67		300mm/11.81"		300mm/11.81"		Single ø4.3mm sheath tail		End Cap Bracket		DC 24V

### ACCESSORIES

#### Mounting Accessories

KKCP-02	Clip (1no.)
KKCP-52	Clip (500no.)
KKCP-14	Lock Clip
KKBK-06	Fixed bracket
KKBK-05	Adjustable bracket

\* Refer to **Mounting accessories** on **Accessories** pages

#### Connection Accessories

CN67-2P-0300	IP67 2 PIN male & female 300mm/11.81" pair
CN67-2P-1000	IP67 2 PIN male & female 1000mm/39.37" pair
CN67-2P-3000	IP67 2 PIN male & female 3000mm/118.11" pair

\* Refer to **Power feed** on **Accessories** pages

#### Exterior Junction Boxes

KKJB-07	IP67 Slim J-Box
KKJB-07R	Potting Resin for IP67 Slim J-Box

\* Refer to **Exterior Junction Boxes** on **Accessories** pages

#### PSU/Driver

0-10V/1-10V/DALI/DMX

\* Refer to **Driver/PSU Options** page for details or provide requirement and KKDC to offer the suitable option

### LED ENGINE VARIANTS (LED STRIP TYPE)

Colour	Output	LED	Lumen/m	Lumen/ft	W/m	W/ft	Spec Doc	Length	Increment
Single CCT	Low	352	340	103	5.5	1.67	MiMi 352	103.3-2020mm (4.07-79.53in)	83.3mm (3.28in)
	Mid	504	820	250	12.5	3.81	MiMi 504	120-2020mm (4.72-79.53in)	100mm (3.94in)
	Mid	508	1130	344	17.5	5.33	MiMi 508	91.4-2020mm (3.60-79.53in)	71.4mm (2.81in)
	Mid	007	620	189	10.9	3.32	MiMi 007	103.4-2020mm (4.07-79.53in)	41.7mm (1.64in)
	Mid	010	920	280	10	3.05	MiMi A010	97-2020mm (3.82-79.53in)	38.46mm (1.51in)
	Max	020	1840	561	20	6.10	MiMi A020	97-2020mm (3.82-79.53in)	38.46mm (1.51in)
Warm Dim/Dynamic White	Mid	207	590	180	11	3.35	MiMi 207	103.3-2020mm (4.07-79.53in)	83.3mm (3.28in)
	Mid	208	1000	338	15.6	4.75	MiMi 208	186.7-2020mm (7.35-79.53in)	166.7mm (6.56in)
RGB		501	Red 98 Green 210 Blue 35 RGB 305	Red 30 Green 64 Blue 11 RGB 93	15.6	4.75	MiMi RGB	103.3-2020mm (4.07-79.53in)	83.3mm (3.28in)

\* Performance data: A/s/e-line, clear cover, 3000K

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# MiMi A020 (20W)

## Length Availability List



Length Code		Fixture Length <sup>1</sup>		LED Strip <sup>2</sup>		End Cap Dimension <sup>3</sup>		Wattage (W)	Output (lm) 3000K (Test Data)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		
m0097	i0003	97mm	3.82in	77mm	3.03in	10mm	0.39in	1.54	142
m0135	i0005	135mm	5.33in	115mm	4.54in	10mm	0.39in	2.31	212
m0174	i0006	174mm	6.84in	154mm	6.06in	10mm	0.39in	3.08	283
m0212	i0008	212mm	8.36in	192mm	7.57in	10mm	0.39in	3.85	354
m0251	i0010	251mm	9.87in	231mm	9.09in	10mm	0.39in	4.62	425
m0289	i0011	289mm	11.39in	269mm	10.60in	10mm	0.39in	5.38	495
m0328	i0013	328mm	12.90in	308mm	12.11in	10mm	0.39in	6.15	566
m0366	i0014	366mm	14.42in	346mm	13.63in	10mm	0.39in	6.92	637
m0405	i0016	405mm	15.93in	385mm	15.14in	10mm	0.39in	7.69	708
m0443	i0017	443mm	17.44in	423mm	16.66in	10mm	0.39in	8.46	778
m0482	i0019	482mm	18.96in	462mm	18.17in	10mm	0.39in	9.23	849
m0520	i0020	520mm	20.47in	500mm	19.68in	10mm	0.39in	10.00	920
m0558	i0022	558mm	21.99in	538mm	21.20in	10mm	0.39in	10.77	991
m0597	i0023	597mm	23.50in	577mm	22.71in	10mm	0.39in	11.54	1062
m0635	i0025	635mm	25.01in	615mm	24.23in	10mm	0.39in	12.31	1132
m0674	i0026	674mm	26.53in	654mm	25.74in	10mm	0.39in	13.08	1203
m0712	i0028	712mm	28.04in	692mm	27.26in	10mm	0.39in	13.85	1274
m0751	i0029	751mm	29.56in	731mm	28.77in	10mm	0.39in	14.61	1345
m0789	i0031	789mm	31.07in	769mm	30.28in	10mm	0.39in	15.38	1415
m0828	i0032	828mm	32.59in	808mm	31.80in	10mm	0.39in	16.15	1486
m0866	i0034	866mm	34.10in	846mm	33.31in	10mm	0.39in	16.92	1557
m0905	i0035	905mm	35.61in	885mm	34.83in	10mm	0.39in	17.69	1628
m0943	i0037	943mm	37.13in	923mm	36.34in	10mm	0.39in	18.46	1698
m0982	i0038	982mm	38.64in	962mm	37.85in	10mm	0.39in	19.23	1769
m1020	i0040	1020mm	40.16in	1000mm	39.37in	10mm	0.39in	20.00	1840
m1058	i0041	1058mm	41.67in	1038mm	40.88in	10mm	0.39in	20.77	1911
m1097	i0043	1097mm	43.18in	1077mm	42.40in	10mm	0.39in	21.54	1981
m1135	i0044	1135mm	44.70in	1115mm	43.91in	10mm	0.39in	22.31	2052
m1174	i0046	1174mm	46.21in	1154mm	45.43in	10mm	0.39in	23.08	2123
m1212	i0047	1212mm	47.73in	1192mm	46.94in	10mm	0.39in	23.85	2194
m1251	i0049	1251mm	49.24in	1231mm	48.45in	10mm	0.39in	24.61	2265
m1289	i0050	1289mm	50.76in	1269mm	49.97in	10mm	0.39in	25.38	2335
m1328	i0052	1328mm	52.27in	1308mm	51.48in	10mm	0.39in	26.15	2406
m1366	i0053	1366mm	53.78in	1346mm	53.00in	10mm	0.39in	26.92	2477
m1405	i0055	1405mm	55.30in	1385mm	54.51in	10mm	0.39in	27.69	2548
m1443	i0056	1443mm	56.81in	1423mm	56.02in	10mm	0.39in	28.46	2618
m1481	i0058	1481mm	58.33in	1461mm	57.54in	10mm	0.39in	29.23	2689
m1520	i0059	1520mm	59.84in	1500mm	59.05in	10mm	0.39in	30.00	2760
m1558	i0061	1558mm	61.35in	1538mm	60.57in	10mm	0.39in	30.77	2831
m1597	i0063	1597mm	62.87in	1577mm	62.08in	10mm	0.39in	31.54	2901
m1635	i0064	1635mm	64.38in	1615mm	63.60in	10mm	0.39in	32.31	2972
m1674	i0066	1674mm	65.90in	1654mm	65.11in	10mm	0.39in	33.08	3043
m1712	i0067	1712mm	67.41in	1692mm	66.62in	10mm	0.39in	33.84	3114

# MiMi A020 (20W) Length Availability List



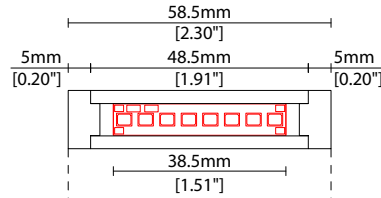
Length Code		Fixture Length <sup>1</sup>		LED Strip <sup>2</sup>		End Cap Dimension <sup>3</sup>		Wattage (W)	Output (lm) 3000K (Test Data)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		
m1751	i0069	1751mm	68.93in	1731mm	68.14in	10mm	0.39in	34.61	3184
m1789	i0070	1789mm	70.44in	1769mm	69.65in	10mm	0.39in	35.38	3255
m1828	i0072	1828mm	71.95in	1808mm	71.17in	10mm	0.39in	36.15	3326
m1866	i0073	1866mm	73.47in	1846mm	72.68in	10mm	0.39in	36.92	3397
m1905	i0075	1905mm	74.98in	1885mm	74.19in	10mm	0.39in	37.69	3468
m1943	i0076	1943mm	76.50in	1923mm	75.71in	10mm	0.39in	38.46	3538
m1981	i0078	1981mm	78.01in	1961mm	77.22in	10mm	0.39in	39.23	3609
m2020	i0079	2020mm	79.52in	2000mm	78.74in	10mm	0.39in	40.00	3680

<sup>1</sup> Actual total overall length of light fixture (LED strip + end caps + void/wire hole)

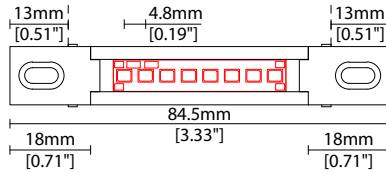
<sup>2</sup> Actual length of PCB strip

<sup>3</sup> Actual length of 2x end caps

Standard End Caps (SB)



\*End Cap Brackets (EB)  
Increases overall standard length by 26mm (2x13mm)



\*1046mm MAX

**\*IMPORTANT NOTE: DUE TO POTENTIAL PROFILE 'SAGGING' THE MAX LENGTH AVAILABLE WITH END CAP BRACKETS IS 1046mm.**

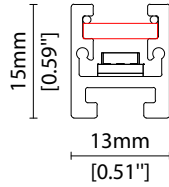
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# MiMi A020 (20W) Options

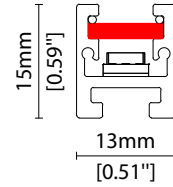
# KKDC

## COVER OPTIONS

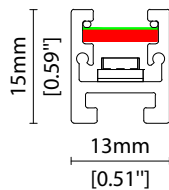
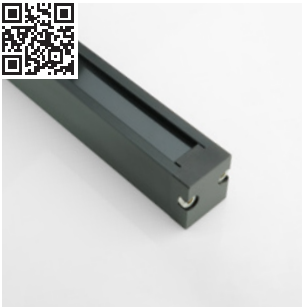
\* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



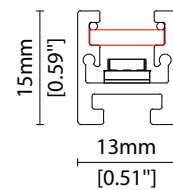
**B** Clear Cover  
Polycarbonate  
W13/H15mm (W0.51"/H0.59")



**C** Diffused Cover  
Polycarbonate finish  
W13/H15mm (W0.51"/H0.59")

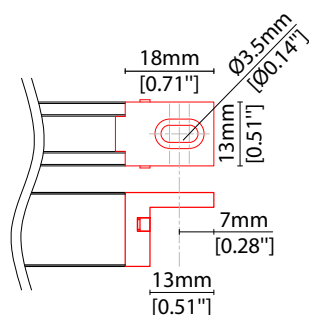


**CN** Diffused Cover + Nano Louvre  
Polycarbonate cover with anti-glare, 30° cut-off view angle  
W13/H15mm (W0.51"/H0.59")



**Y** Black Clear Cover  
Dark tinted translucent polycarbonate  
60% light output  
W13/H15mm (W0.51"/H0.59")

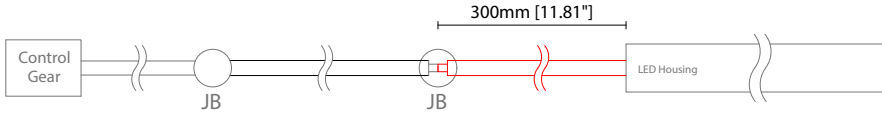
## END CAP OPTION



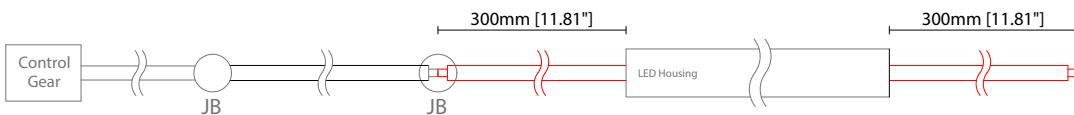
**EB** End Cap Bracket (Pair)  
Handrail installation  
Compatible up to 1m/40"  
L18/W13/H15mm  
(L0.7/W0.51/H0.59")

### POWER FEED OPTIONS

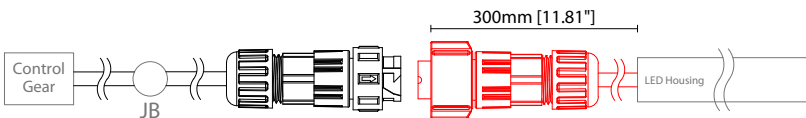
0300 S00A 300mm (11.81") Single  $\varnothing$ 4.3mm sheath tail



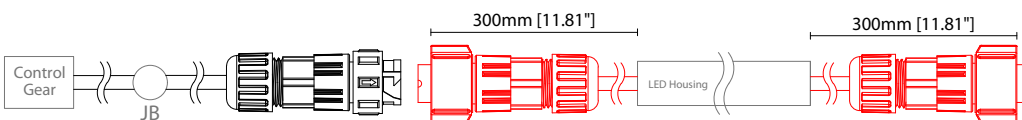
0300 D00A 300mm (11.81") Double  $\varnothing$ 4.3mm sheath tail



0300 S67A 300mm (11.81") Single  $\varnothing$ 4.3mm sheath IP67 connector

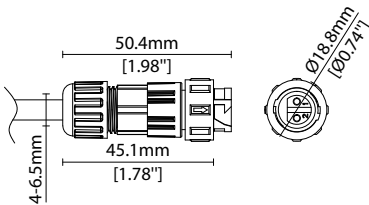


0300 D67A 300mm (11.81") Double  $\varnothing$ 4.3mm sheath IP67 connector

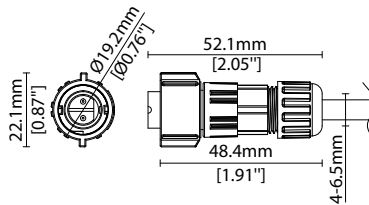


### IP67 2 Pin Connector

Female connector  
2 PIN (IP67)



Male connector  
2 PIN (IP67)



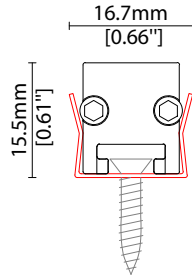
### Key

- Control Gear Power supply, sub-controllers & control systems
- JB Junction box / cable connection

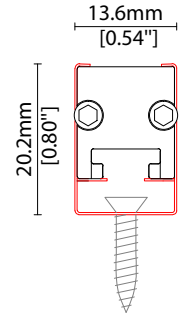


## MOUNTING ACCESSORIES

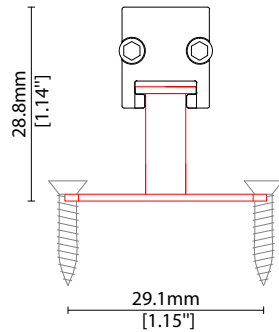
Note: Accessories are to be ordered separately with corresponding code shown below.



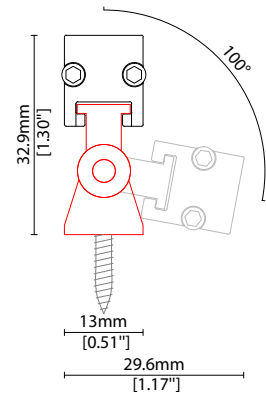
**KKCP-02** (1no.)  
**KKCP-52** (500no.)  
Clip (allow 3 per metre/40in)  
S/Steel finish  
L25/W16.7/H15.5mm  
(L0.98/W0.66/H0.61")



**KKCP-14**  
Lock clip (allow 2 per metre/40in)  
S/Steel finish  
L25/W14/H21mm  
(L0.98/W0.55/H0.83")

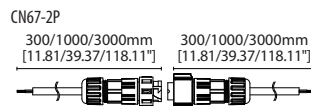


**KKBK-06**  
Fixed bracket (allow 3 per metre/40in)  
S/Steel finish  
L20/W29.1/H28.8mm  
L0.79/W1.15/H1.13"



**KKBK-05**  
Adjustable bracket  
(allow 2 per metre/40in)  
S/Steel finish  
W13/H32.9mm  
W0.51/H1.3"

## POWER FEED



**CN67-2P-0300** 300mm (11.81in) pair  
**CN67-2P-1000** 1000mm (39.37in) pair  
**CN67-2P-3000** 3000mm (118.11in) pair  
IP67  
2 PIN male + female connector set



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# MiMi A020 (20W) Accessories

# KKDC

## EXTERIOR JUNCTION BOXES



**KKJB-07**

IP67 Slim J-Box  
(including type A,B,C, D bushings)



**KKJB-07R**

Potting resin for IP67 Slim J-Box

## KKDC CONTROL



IP20  
Plastic housing  
L170/W59/H29mm  
(L6.69/W2.32/H1.14in)

**KKDM-06** 1-10V

visDIM dimmable sub-controller  
(4 x 8A max @ 12-36V)



IP20  
Plastic housing  
L170/W53.4/H28mm  
(L6.69/W2.10/H1.10in)

**KKSC-05** DMX

visDIM dimmable sub-controller  
(4 x 5A max @ 12-36V)



IP20  
Plastic housing  
L170/W59/H29mm  
(L6.69/W2.32/H1.14in)

**KKDL-02** DALI

visDIM dimmable sub-controller  
(4 x 8A max @ 12-36V)



IP20  
Plastic housing  
L166/W53.4/H23mm  
(L6.54/W2.10/H0.91in)

**KKDL-03** DALI

visDIM dimmable sub-controller  
(4 x 5A max @ 12-36V)

### AVAILABLE PSU OPTIONS

Control Mode	PSU (Order Code)	Input Voltage AC	Output Voltage DC	Rated Output Current	Rated Power	Dim %	IP Rating
Switched	CEN-60-24	90-295V	24V	2.5A	60W	-	IP67
	HLG-60H-24	90-305V	24V	2.5A	60W	-	IP67
	HLG-100H-24	90-305V	24V	4.0A	100W	-	IP67
	HLG-150H-24	90-305V	24V	6.3A	150W	-	IP67
	HLG-240H-24	90-305V	24V	10A	240W	-	IP67
0-10V (1-10V)	PWM-40-24	90-305V	24V	1.67A	40W	100-0.15 (100-10)	IP67
	PWM-60-24	90-305V	24V	2.5A	60W	100-0.15 (100-10)	IP67
	PWM-90-24	90-305V	24V	3.67A	90W	100-0.15 (100-10)	IP67
	PWM-120-24	90-305V	24V	5.0A	120W	100-0.15 (100-10)	IP67
DALI	LIN100A1	120-277V	24V	1A per channel	100W	100-0.1	IP66/IP40
DMX RGB	LIN100A1	120-277V	24V	1.33A per channel	100W	100-0.1	IP66/IP40
DMX RGBW	LIN100A1	120-277A	24V	1A per channel	100W	100-0.1	IP66/IP40

### Flicker Free Options - Combination of PSU+ sub-controller

Control Mode	PSU (Order Code)	Sub-controller (Order Code)	Input Voltage AC	Output Voltage DC	Rated Output Current	Rated Power	Dim %	IP Rating PSU/ Sub-controller
0-10V or 1-10V	CEN-60-24	KKDM-06	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-60H-24	KKDM-06	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-100H-24	KKDM-06	90-295V	24V	4.0A	100W	100-0.9	IP67/IP20
	HLG-150H-24	KKDM-06	90-295V	24V	6.3A	150W	100-0.9	IP67/IP20
	HLG-240H-24	KKDM-06	90-295V	24V	10.0A	240W	100-0.9	IP67/IP20
DALI	CEN-60-24	KKDL-02/03	90-295V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-60H-24	KKDL-02/03	90-305V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-100H-24	KKDL-02/03	90-305V	24V	4.0A	100W	100-0.1	IP67/IP20
	HLG-150H-24	KKDL-02/03	90-305V	24V	6.3A	150W	100-0.1	IP67/IP20
	HLG-240H-24	KKDL-02/03	90-305V	24V	10.0A	240W	100-0.1	IP67/IP20
DMX RGB	CEN-60-24	KKSC-05	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-60H-24	KKSC-05	90-305V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-100H-24	KKSC-05	90-305V	24V	4A	100W	100-0.9	IP67/IP20
	HLG-150H-24	KKSC-05	90-305V	24V	6.3A	150W	100-0.9	IP67/IP20
	HLG-240H-24	KKSC-05	90-305V	24V	10.0A	240W	100-0.9	IP67/IP20

<sup>1</sup> The items shown above cover the most frequently used specification but does not exhaust the possible options

<sup>2</sup> PSU and/or driver can be chosen from the table, or KKDC may recommend the best option upon receipt of the controls requirement and installation environment

<sup>3</sup> Electrical shop drawing will include detailed information of PSU and relevant control drivers

<sup>4</sup> Cut sheets are available on the controls section of [www.kkdc.lighting](http://www.kkdc.lighting) or upon request