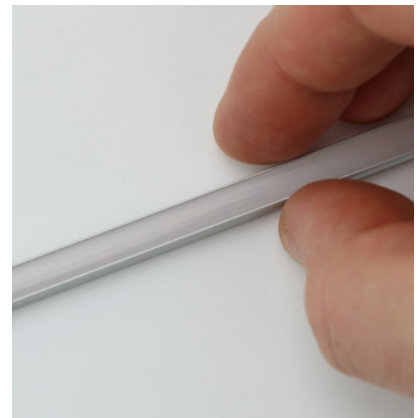
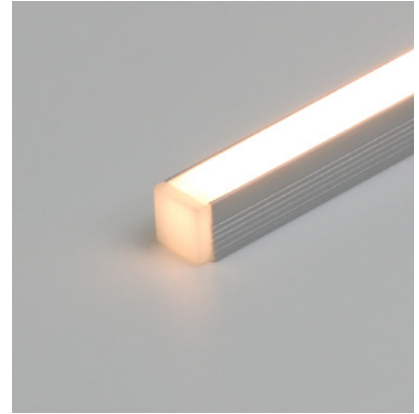


Linear

# TIMI Micro RS14 Fixture Guide

# KKDÖ

Indoor | Surface | Output up to 682lm/m (208lm/ft)

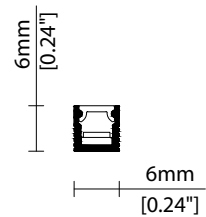


## Key applications

- ✓ Architectural detail
- ✓ Cabinet & furniture
- ✓ Direct lighting
- ✓ Display case
- ✓ Interior
- ✓ Retail display
- ✓ Shelving display

## Key features

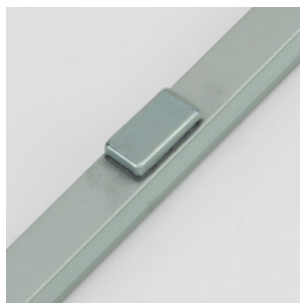
- ✓ Custom lengths
- ✓ Constant Voltage (CV)
- ✓ Diffusion: semi-homogenous
- ✓ Direct view
- ✓ Extensive CCT range
- ✓ IP40 dry area
- ✓ IP44 moisture resistant
- ✓ Thin light line



## FIXING METHODS



3M Tape fixing



Magnet fixing

Linear

# TIMI Micro RS14

## Specification sheet



<b>Dimensions</b>	H6/W6/L76-2005mm (H0.24/W0.24/L2.99-78.94in)
<b>PCB Cut-point</b>	35.7mm increment/2000mm max (1.41in increment/78.74in max)
<b>LED Pitch</b>	6mm-168LED/m (0.24in - 51LED/ft)
<b>Chip</b>	<b>s-line</b> <b>k-line</b>
<b>Cover/Optics</b>	Diffused (120°)
<b>CCT</b>	<b>s-line:</b> 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K <b>k-line:</b> 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K
<b>LED binning</b>	<b>s-line:</b> 2-step MacAdam ellipse <b>k-line:</b> 3-step MacAdam ellipse
<b>CRI</b>	≥93
<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 = 72.9°C) T <sub>a</sub> = -13 to 122°F (T <sub>c</sub> max = 163°F)
<b>IP Rating</b>	IP40/IP44
<b>Finish</b>	Silver anodised
<b>Mounting</b>	Surface mounting via 3M tape
<b>Power feed</b>	Hardwire tails or male/female connectors
<b>Control</b>	0-10V/1-10V/DMX/DALI



### LED Grading Key

#### Exclusive Grade

<b>s</b> s-line*	*KKDC tuned CCT range
2-step CCT range	

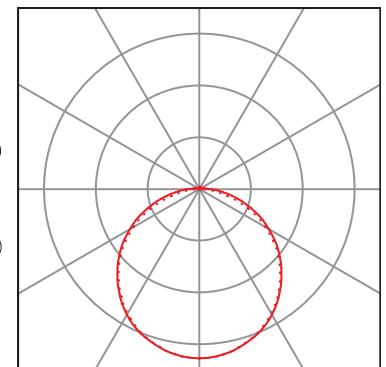
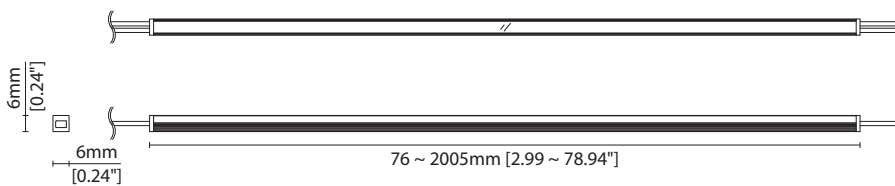
#### Base Grade

<b>k</b> k-line	3-step commercial range Energy Star CCTs
-----------------	---------------------------------------------

<b>Power consumption</b>	<b>Supply voltage</b>	<b>Supply current</b>
14W/m (4.27W/ft)	24V DC	0.58A/m (0.18A/ft)

### Performance Data (3000K)

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14		
<b>k-line</b>	94	97	98	92	93	96	91	84	67	93	92	77	95	98		
	<b>Diffused</b>															
<b>s-line</b>	682lm/m (208lm/ft)	48.7lm/w											<b>CRI</b>	<b>R9</b>	<b>Rf</b>	<b>Rg</b>
<b>k-line</b>	672lm/m (205lm/ft)	48lm/w											93	67	-	-



Diffused Cover  
— C0 / C180      cd / 1000 lm      ..... C90 / C270

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

# TIMI Micro RS14

## 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 <sup>5</sup>	Input	
TIMI Micro	TMC	Silver Anodised SA	Diffused C	RS14	RS14	1900K 19	m	50mm (1.97in)	0050	Single no sheath tail	S00X	3M Tape fixing TF DC 24V
					2100K 21							
					2300K 23	i		300mm (11.81in)	0300	Double no sheath tail	D00X	Magnet fixing MF
					2500K 25							
					2700K 27					Single no sheath IP20 connector	S20X	
					3000K 30					Double no sheath IP20 connector	D20X	
					3500K 35							
					4000K 40							
					5000K 50							

<sup>1</sup> Refer to **Cover/Lens 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> Refer to **Fixing Options** on **Options** pages

### Code Example:

TMC	-	SA	-	C	-	s	-	RS14	-	35	-	m	-	505	-	40	-	0050	-	D20X	-	TF	-	g
TIMI Micro		Silver Anodised		Diffused cover		s		RS14		3500K		505mm		IP40		50mm (1.97in)		0050		Double no sheath IP20 connector		3M Tape fixing		DC 24V

### ACCESSORIES

#### Connection Accessories

KKCN-01	2 PIN male & female 50mm (1.97in) pair
KKCN-03	2 PIN male & female 300mm (11.81in) pair
KKCN-06	2 PIN 300mm (11.81in) extension lead

#### 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

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

### LED ENGINE VARIANTS (LED STRIP TYPE)

Colour	LED	Lumen/m	Lumen/ft	W/m	W/ft	Spec Doc	Length	Increment
Single CCT	RS07	346	105	7	2.13	TIMI Micro RS07	76-2005mm (2.99-78.94in)	35.7mm (1.41in)
	RS14	682	208	14	4.27	TIMI Micro RS14	76-2005mm (2.99-78.94in)	35.7mm (1.41in)

\* Performance data: k-line, 3000K, Diffused Cover

# TIMI Micro RS14

## 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)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)
m0076	i0003	76mm	3.01in	71mm	2.81in	3mm	0.12in	1.00	48
m0112	i0004	112mm	4.42in	107mm	4.22in	3mm	0.12in	1.50	72
m0148	i0006	148mm	5.82in	143mm	5.62in	3mm	0.12in	2.00	96
m0184	i0007	184mm	7.23in	179mm	7.03in	3mm	0.12in	2.50	120
m0219	i0009	219mm	8.63in	214mm	8.44in	3mm	0.12in	3.00	144
m0255	i0010	255mm	10.04in	250mm	9.84in	3mm	0.12in	3.50	168
m0291	i0011	291mm	11.45in	286mm	11.25in	3mm	0.12in	4.00	192
m0326	i0013	326mm	12.85in	321mm	12.65in	3mm	0.12in	4.50	216
m0362	i0014	362mm	14.26in	357mm	14.06in	3mm	0.12in	5.00	240
m0398	i0016	398mm	15.66in	393mm	15.47in	3mm	0.12in	5.50	264
m0434	i0017	434mm	17.07in	429mm	16.87in	3mm	0.12in	6.00	288
m0469	i0018	469mm	18.48in	464mm	18.28in	3mm	0.12in	6.50	312
m0505	i0020	505mm	19.88in	500mm	19.69in	3mm	0.12in	7.00	336
m0541	i0021	541mm	21.29in	536mm	21.09in	3mm	0.12in	7.50	360
m0576	i0023	576mm	22.69in	571mm	22.50in	3mm	0.12in	8.00	384
m0612	i0024	612mm	24.10in	607mm	23.90in	3mm	0.12in	8.50	408
m0648	i0026	648mm	25.51in	643mm	25.31in	3mm	0.12in	9.00	432
m0684	i0027	684mm	26.91in	679mm	26.72in	3mm	0.12in	9.50	456
m0719	i0028	719mm	28.32in	714mm	28.12in	3mm	0.12in	10.00	480
m0755	i0030	755mm	29.72in	750mm	29.53in	3mm	0.12in	10.50	504
m0791	i0031	791mm	31.13in	786mm	30.93in	3mm	0.12in	11.00	528
m0826	i0033	826mm	32.54in	821mm	32.34in	3mm	0.12in	11.50	552
m0862	i0034	862mm	33.94in	857mm	33.75in	3mm	0.12in	12.00	576
m0898	i0035	898mm	35.35in	893mm	35.15in	3mm	0.12in	12.50	600
m0934	i0037	934mm	36.75in	929mm	36.56in	3mm	0.12in	13.00	624
m0969	i0038	969mm	38.16in	964mm	37.96in	3mm	0.12in	13.50	648
m1005	i0040	1005mm	39.57in	1000mm	39.37in	3mm	0.12in	14.00	672
m1041	i0041	1041mm	40.97in	1036mm	40.78in	3mm	0.12in	14.50	696
m1076	i0042	1076mm	42.38in	1071mm	42.18in	3mm	0.12in	15.00	720
m1112	i0044	1112mm	43.79in	1107mm	43.59in	3mm	0.12in	15.50	744
m1148	i0045	1148mm	45.19in	1143mm	44.99in	3mm	0.12in	16.00	768
m1184	i0047	1184mm	46.60in	1179mm	46.40in	3mm	0.12in	16.50	792
m1219	i0048	1219mm	48.00in	1214mm	47.81in	3mm	0.12in	17.00	816
m1255	i0049	1255mm	49.41in	1250mm	49.21in	3mm	0.12in	17.50	840
m1291	i0051	1291mm	50.82in	1286mm	50.62in	3mm	0.12in	18.00	864
m1326	i0052	1326mm	52.22in	1321mm	52.02in	3mm	0.12in	18.50	888
m1362	i0054	1362mm	53.63in	1357mm	53.43in	3mm	0.12in	19.00	912
m1398	i0055	1398mm	55.03in	1393mm	54.84in	3mm	0.12in	19.50	936
m1434	i0056	1434mm	56.44in	1429mm	56.24in	3mm	0.12in	20.00	960
m1469	i0058	1469mm	57.85in	1464mm	57.65in	3mm	0.12in	20.50	984
m1505	i0059	1505mm	59.25in	1500mm	59.06in	3mm	0.12in	21.00	1008
m1541	i0061	1541mm	60.66in	1536mm	60.46in	3mm	0.12in	21.50	1032
m1576	i0062	1576mm	62.06in	1571mm	61.87in	3mm	0.12in	22.00	1056

# TIMI Micro RS14

## Length Availability List

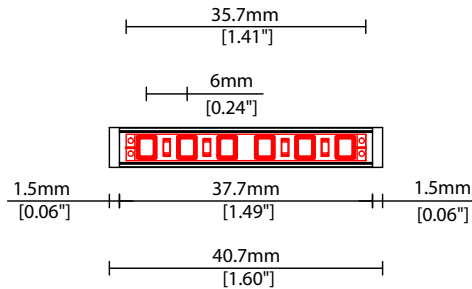


Length Code		Fixture Length <sup>1</sup>		LED Strip <sup>2</sup>		End Cap Dimension <sup>3</sup>		Wattage (W)	Output (lm)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)
m1612	i0063	1612mm	63.47in	1607mm	63.27in	3mm	0.12in	22.50	1080
m1648	i0065	1648mm	64.88in	1643mm	64.68in	3mm	0.12in	23.00	1104
m1684	i0066	1684mm	66.28in	1679mm	66.09in	3mm	0.12in	23.50	1128
m1719	i0068	1719mm	67.69in	1714mm	67.49in	3mm	0.12in	24.00	1152
m1755	i0069	1755mm	69.09in	1750mm	68.90in	3mm	0.12in	24.50	1176
m1791	i0071	1791mm	70.50in	1786mm	70.30in	3mm	0.12in	25.00	1200
m1826	i0072	1826mm	71.91in	1821mm	71.71in	3mm	0.12in	25.50	1224
m1862	i0073	1862mm	73.31in	1857mm	73.12in	3mm	0.12in	26.00	1248
m1898	i0075	1898mm	74.72in	1893mm	74.52in	3mm	0.12in	26.50	1272
m1934	i0076	1934mm	76.12in	1929mm	75.93in	3mm	0.12in	27.00	1296
m1969	i0078	1969mm	77.53in	1964mm	77.33in	3mm	0.12in	27.50	1320
m2005	i0079	2005mm	78.94in	2000mm	78.74in	3mm	0.12in	28.00	1344

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

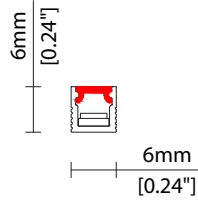
<sup>2</sup> Actual length of PCB strip

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



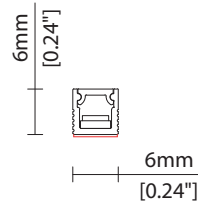
### COVER OPTIONS

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

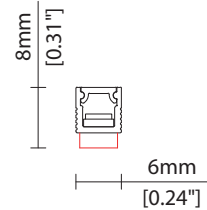


**C** Diffused Cover  
Polycarbonate

### FIXING OPTIONS



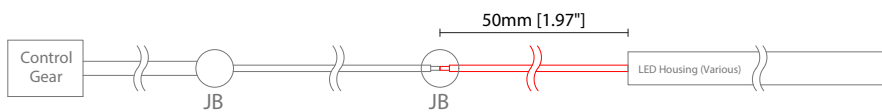
**TF** 3M Tape fixing



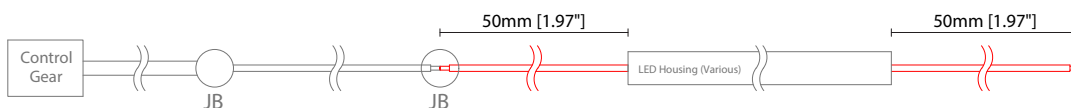
**MF** Magnet fixing

### POWER FEED OPTIONS

0050 S00X 50mm (1.97") Single tail



0050 D00X 50mm (1.97") Double tail



0050 S20X 50mm (1.97") Single IP20 connector

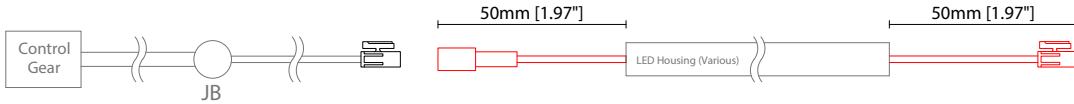


#### Key

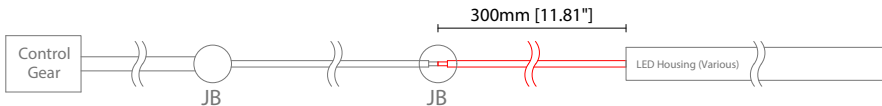
- Control Gear Power supply, sub-controllers & control systems
- JB Junction box / cable connection

### POWER FEED OPTIONS (CONTINUED)

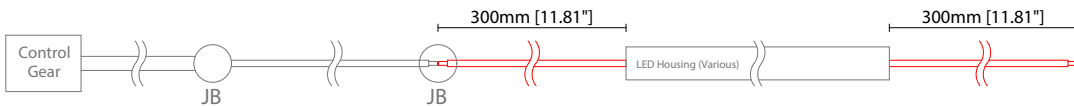
0050 D20X 50mm (1.97") Double IP20 connector



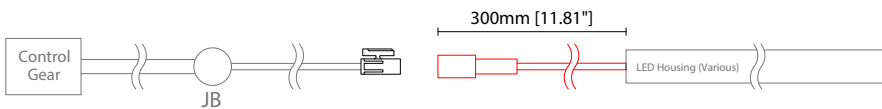
0300 S00X 300mm (11.81") Single no sheath tail



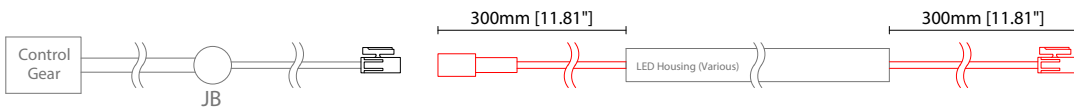
0300 D00X 300mm (11.81") Double no sheath tail



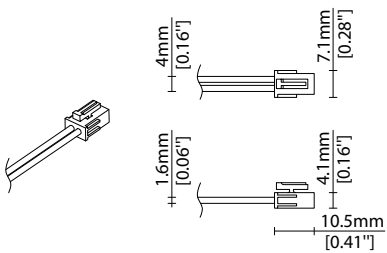
0300 S20X 300mm (11.81") Single no sheath IP20 connector



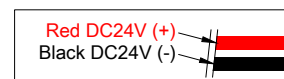
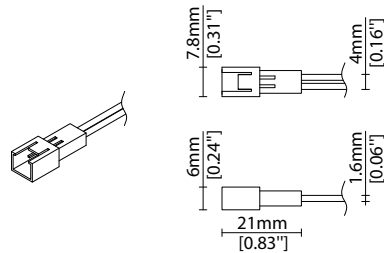
0300 D20X 300mm (11.81") Double no sheath IP20 connector



### 2 Pin Female Connector



### 2 Pin Male Connector



### Key

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

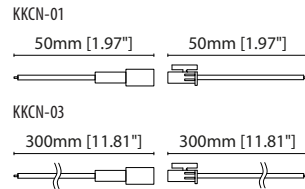
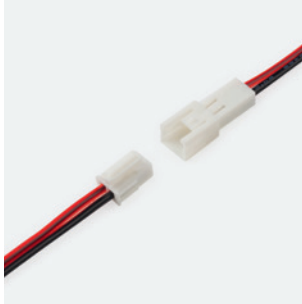
Linear

# TIMI Micro RS14 Accessories

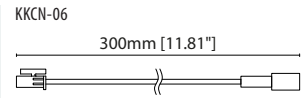


## POWER FEED

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



**KKC-01** 50mm (1.97in) pair  
**KKC-03** 300mm (11.81in) pair  
2 PIN male + female connector set



**KKC-06**  
2 PIN 300mm (11.81in) extension  
lead

## 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)



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

**KKDL-04** DALI-2  
visDIM dimmable sub-controller  
(4 x 5A max @ 12-36V)



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

**visDIM PRO 30** DALI-2  
30kHz PWM Frequency  
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-02/03/04/visDIM PRO 30	90-295V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-60H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-100H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	4.0A	100W	100-0.1	IP67/IP20
	HLG-150H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	6.3A	150W	100-0.1	IP67/IP20
	HLG-240H-24	KKDL-02/03/04/visDIM PRO 30	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