

Linear

# FLO Drop Fixture Guide

# KKDC

Indoor/Outdoor | Suspended | Output up to 589lm/m (180lm/ft)

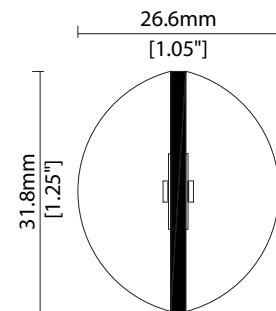


## Key applications

- ✓ Bathrooms
- ✓ Interior/Exterior
- ✓ Ceiling pendant
- ✓ Wet area
- ✓ Direct lighting

## Key features

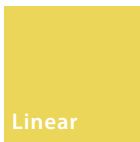
- ✓ Custom lengths
- ✓ Extensive CCT range
- ✓ Constant voltage (CV)
- ✓ High impact resistance
- ✓ Decorative
- ✓ Illuminated ends
- ✓ Diffusion: Homogenous
- ✓ IP68



## MOUNTING METHODS



KKS-10 Suspension kit



# FLO Drop

## Specification sheet



<b>Dimensions</b>	H28/W31.75/L286-1161mm (1.10/1.25/11.26-45.71in)
<b>PCB Cut-point</b>	62.5mm increment/2000mm max (2.46in increment/78.74in max)
<b>LED Pitch</b>	10.4mm - 192LED/m (0.41in - 58LED/ft)
<b>Chip</b>	<b>s-line:</b> Toyoda Gosei <b>k-line:</b> Toyoda Gosei or Equivalent
<b>Cover/Optics</b>	Diffused resin (130deg x2)
<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>	87
<b>Lifetime</b>	50,000 hours @ 25°C (50,000 hours @ 77°F)
<b>Operating temp</b>	T <sub>a</sub> = -25 to 40°C (T <sub>c</sub> max = 75°C) T <sub>a</sub> = -13 to 104°F (T <sub>c</sub> max = 167°F)
<b>IP Rating</b>	IP68
<b>Finish</b>	Custom alabaster marble effect resin/Anodized aluminium
<b>Mounting</b>	Suspension kit
<b>Power feed</b>	Hardwire tail
<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
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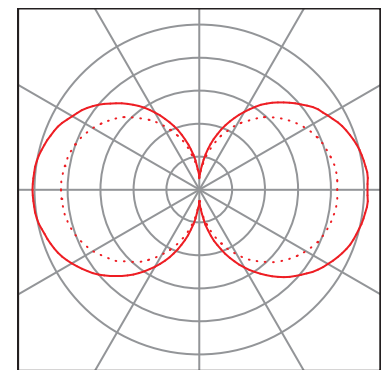
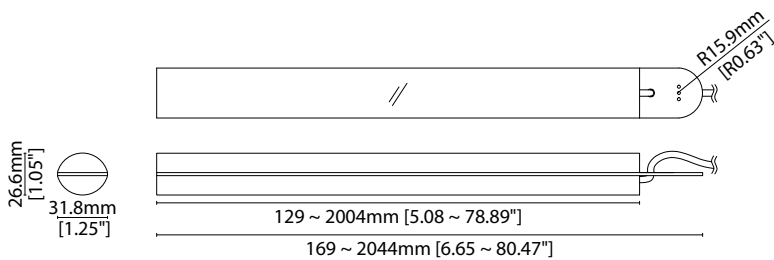
<b>Power consumption</b>	<b>Supply voltage</b>	<b>Supply current</b>
18W/m (5.49W/ft)	24V DC	0.75A/m (0.23A/m)

### Performance Data (3000K)

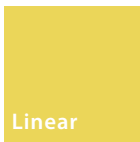
	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
<b>s-line</b>	87	90	92	89	86	86	94	80	49	76	87	64	87	95

	Diffused	CRI	R9	Rf	Rg
<b>s-line</b>	589lm/m (180lm/ft) 32.7lm/W	87	49	-	-



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



# FLO Drop Code Table



## FIXTURE

Model	Grade <sup>1</sup>	LED	Colour (CCT)		Length Availability <sup>2</sup>		IP		Cable Length		Power Feed <sup>3</sup>	Input			
FLO Drop	FD	s	908	1900K	19	m	169-2044mm 62.5mm increments	IP68	68	3000mm (118.11in)	3000	Suspension Single no sheath tail <sup>4</sup>	S00H	DC 24V	g
				2100K	21										
	k	k	908	2300K	23	i	6.65-80.47in 2.46in increments	IP68	68	3000mm (118.11in)	3000	Suspension Single no sheath tail <sup>4</sup>	S00H	DC 24V	g
				2500K	25										
				2700K	27										
				3000K	30										
				3500K	35										
				4000K	40										
				5000K	50										
				(Specify length code OR total run length)											

<sup>1</sup> Refer to **LED Grading Key** on **Specification sheet** page

<sup>2</sup> Refer to **Length Availability List** or enter total run length instead of length code

<sup>3</sup> Refer to **Power Feed Options** on **Options** pages

<sup>4</sup> Transparent suspension wire

## Code Example:

FD	-	s	-	908	-	35	-	m	-	544	-	68	-	3000	-	S00H	-	g
FLO Drop				908		3500K		544mm		IP68		3000mm (118.11in)		Suspension Single no sheath tail		DC 24V		

## ACCESSORIES

### Mounting Accessories

KKSW-10	Suspension kit
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\* Refer to **Mounting accessories** on **Accessories** pages

### PSU/Driver

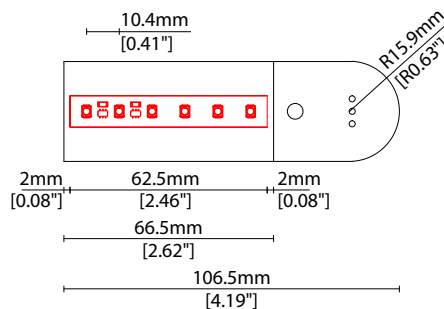
0-10V/1-10V/DALI/DMX
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\* Refer to **Driver/PSU Options** page for details or provide requirement and KKDC to offer the suitable option

Length Code		Fixture Length <sup>1</sup>		LED Strip <sup>2</sup>		End Cap Dimension		Wattage (W)	Output (lm)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)
m0169	i0007	169mm	6.65in	125mm	4.92in	N/A	N/A	4.50	144
m0232	i0009	232mm	9.11in	188mm	7.38in	N/A	N/A	6.75	216
m0294	i0012	294mm	11.57in	250mm	9.84in	N/A	N/A	9.00	288
m0357	i0014	357mm	14.04in	313mm	12.30in	N/A	N/A	11.25	360
m0419	i0016	419mm	16.50in	375mm	14.76in	N/A	N/A	13.50	432
m0482	i0019	482mm	18.96in	438mm	17.22in	N/A	N/A	15.75	504
m0544	i0021	544mm	21.42in	500mm	19.69in	N/A	N/A	18.00	576
m0607	i0024	607mm	23.88in	563mm	22.15in	N/A	N/A	20.25	648
m0669	i0026	669mm	26.34in	625mm	24.61in	N/A	N/A	22.50	720
m0732	i0029	732mm	28.80in	688mm	27.07in	N/A	N/A	24.75	792
m0794	i0031	794mm	31.26in	750mm	29.53in	N/A	N/A	27.00	864
m0857	i0034	857mm	33.72in	813mm	31.99in	N/A	N/A	29.25	936
m0919	i0036	919mm	36.18in	875mm	34.45in	N/A	N/A	31.50	1008
m0982	i0039	982mm	38.64in	938mm	36.91in	N/A	N/A	33.75	1080
m1044	i0041	1044mm	41.10in	1000mm	39.37in	N/A	N/A	36.00	1152
m1107	i0044	1107mm	43.56in	1063mm	41.83in	N/A	N/A	38.25	1224
m1169	i0046	1169mm	46.02in	1125mm	44.29in	N/A	N/A	40.50	1296
m1232	i0048	1232mm	48.48in	1188mm	46.75in	N/A	N/A	42.75	1368
m1294	i0051	1294mm	50.94in	1250mm	49.21in	N/A	N/A	45.00	1440
m1357	i0053	1357mm	53.41in	1313mm	51.67in	N/A	N/A	47.25	1512
m1419	i0056	1419mm	55.87in	1375mm	54.13in	N/A	N/A	49.50	1584
m1482	i0058	1482mm	58.33in	1438mm	56.59in	N/A	N/A	51.75	1656
m1544	i0061	1544mm	60.79in	1500mm	59.06in	N/A	N/A	54.00	1728
m1607	i0063	1607mm	63.25in	1563mm	61.52in	N/A	N/A	56.25	1800
m1669	i0066	1669mm	65.71in	1625mm	63.98in	N/A	N/A	58.50	1872
m1732	i0068	1732mm	68.17in	1688mm	66.44in	N/A	N/A	60.75	1944
m1794	i0071	1794mm	70.63in	1750mm	68.90in	N/A	N/A	63.00	2016
m1857	i0073	1857mm	73.09in	1813mm	71.36in	N/A	N/A	65.25	2088
m1919	i0076	1919mm	75.55in	1875mm	73.82in	N/A	N/A	67.50	2160
m1982	i0078	1982mm	78.01in	1938mm	76.28in	N/A	N/A	69.75	2232
m2044	i0080	2044mm	80.47in	2000mm	78.74in	N/A	N/A	72.00	2304

<sup>1</sup> Actual total overall length of light fixture

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





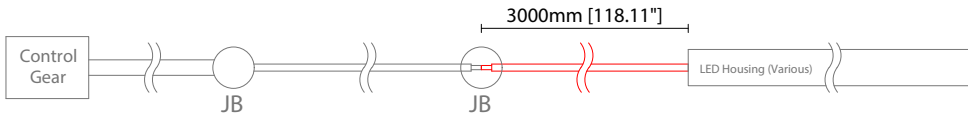
# FLO Drop Options



## POWER FEED OPTIONS

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

3000 S00H 3000mm (118.11") Suspension single no sheath tail



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### Key

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

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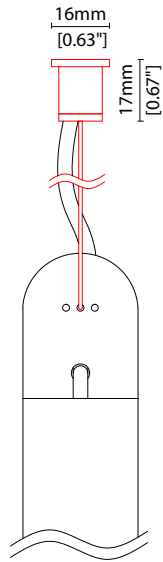
## MOUNTING ACCESSORIES

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



### KKSU-10

Suspension Mounting Kit  
S/Steel finish  
L16/W16/H3000mm (MAX drop)  
(L0.63/W0.63/H118.11in (MAX drop))



## 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