

Linear

# POKI 504 Fixture Guide

# KKDÖ

Outdoor | Surface | Low output up to 420lm/m (128lm/ft)

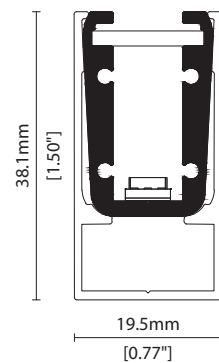


## Key applications

- ✓ Building façades
- ✓ Exterior
- ✓ Orientation lighting
- ✓ Public spaces
- ✓ Wall grazing
- ✓ Window Reveal

## Key features

- ✓ Custom lengths
- ✓ Diffusion: Homogenous
- ✓ Direct view
- ✓ Extensive CCT range
- ✓ Form factor: Medium
- ✓ IP54
- ✓ IP67
- ✓ Output low



## MOUNTING METHODS



KKCR-02 Channel

Linear

# POKI 504

## Specification sheet



<b>Dimension</b>	H38.1/W19.5/L120-2020mm (H1.5/W0.77/L4.72-79.53in)
<b>PCB increment</b>	100mm increment/2000mm max (3.94in increment/78.74in max)
<b>LED pitch</b>	16.7mm - 60LED/m (0.66in - 18LED/ft)
<b>Chip</b>	<b>s/e-line</b> Toyoda Gosei <b>k-line</b> Toyoda Gosei or Equivalent
<b>Beam angle</b>	30° (Clear Cover) / 80° (Diffused Cover)
<b>Colours</b>	<b>s/e-line</b> 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K <b>s-line</b> Single colours: Red/Green/Blue/Orange/Amber <b>k-line</b> 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K
<b>Bin/Step</b>	<b>s-line</b> 2-step MacAdam ellipse <b>e/k-line</b> 3-step MacAdam ellipse
<b>CRI</b>	≥ 90
<b>Lifetime</b>	50,000 hours @ 25°C (50,000 hours @ 77°F)
<b>Operating temp</b>	T <sub>a</sub> = -25 to 45°C (T <sub>c</sub> max = 64.2°C) T <sub>a</sub> = -13 to 113°F (T <sub>c</sub> max = 147.6°F)
<b>IP rating</b>	IP54/IP67
<b>Finish</b>	Silver anodised
<b>Cover/lens</b>	Clear/Diffused
<b>Mounting</b>	Surface mounting via cable raceway
<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

- s** s-line\*  
2-step CCT range
- e** e-line\*  
3-step CCT range

\*KKDC tuned CCT range

#### Base Grade

- k** k-line  
3-step commercial range  
Energy Star CCTs

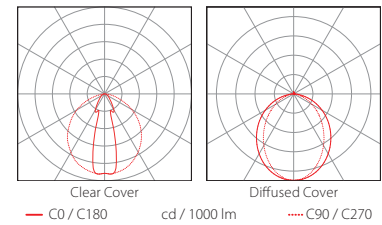
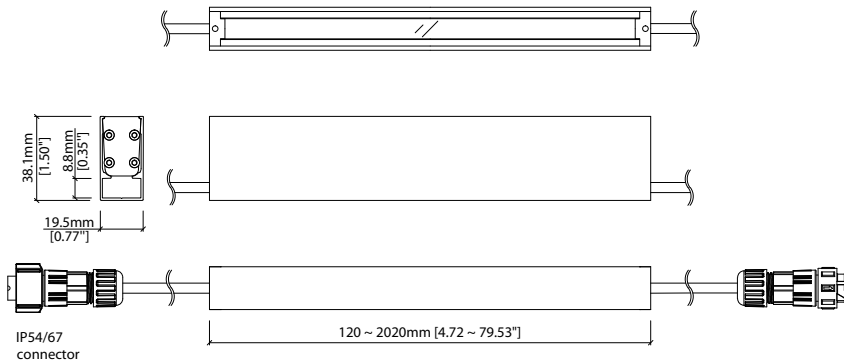
### PERFORMANCE DATA @ 3000K

Power consumption	Supply voltage	Supply current
12.5W/m (3.81W/ft)	24V DC	0.52A/m (0.16A/ft)

### Colour Rendering Index (CRI)

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
k-line	94	97	98	93	93	96	92	83	60	93	94	82	95	99

	Clear Cover		Diffused Cover		CRI	R9	Rf	Rg
s/e-line	420lm/m (128lm/ft)	33.2lm/W	280lm/m (85lm/ft)	22.3lm/W	90	47	-	-
k-line	350lm/m (107lm/ft)	28.3lm/W	240lm/m (73lm/ft)	19.4lm/W	92	60	-	-



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

### FIXTURE

Model	Finish	Cover	Grade <sup>1</sup>	LED	Colour (CCT)	Length Availability <sup>2</sup>	IP	Cable Length	Power Feed <sup>3</sup>	Input	
POKI PK	Silver Anodised SA	Clear B	s s	504	1900K 19	m 120-2020mm 100mm increments	IP54 54 IP67 <sup>4</sup> 67	300mm/11.81" 0300	Single ø4.3mm sheath tail	S00A	DC 24V g
					2100K 21						
		2300K 23	(Specify length code OR total run length)		Single ø4.3mm sheath IP67 connector <sup>5,6</sup>	S67A					
		2500K 25									
		2700K 27									
		3000K 30									
		3500K 35									
		4000K 40									
		5000K 50									
		RED RED s only	Double ø4.3mm sheath IP67 connector <sup>5,6</sup>		D67A						
		GREEN GRN									
		BLUE BLU									
		ORANGE ORN									
AMBER AMB											

<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> Due to the clear, flush potted polyurethane top layer on IP67 POKI a colour shift of +/-20K should be expected

<sup>5</sup> IP rated connectors do not fit inside the cable raceway

<sup>6</sup> IP67 connectors are used for both IP67 and IP54 product housings

### Code Example:

PK	-	SA	-	C	-	s	-	504	-	35	-	m	-	520	-	67	-	0300	-	D67A	-	g
POKI		Silver Anodised		Diffused		s		504		3500K		520mm		IP67		300mm/11.81"		Double ø4.3mm sheath IP67 connector		DC 24V		

### ACCESSORIES

#### Mounting Accessories

KKCR-02 Channel

\* 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	160	50	5.5	1.67	POKI 352	103.3-2020mm (4.07-79.53in)	83.3mm (3.28in)
	Low	504	420	128	12.5	3.81	POKI 504	120-2020mm (4.72-79.53in)	100mm (3.94in)
Warm Dim/Dynamic White	Mid	508	580	177	17.5	5.33	POKI 508	91.4-2020mm (3.60-79.53in)	71.4mm (2.81in)
	Low	207	290	86	11	3.35	POKI 207	103.3-2020mm (4.07-79.53in)	83.3mm (3.28in)
	Low	208	510	171	15.6	4.75	POKI 208	186.7-2020mm (7.35-79.53in)	166.7mm (6.56in)
RGB		501	Red 50 Green 107 Blue 18 RGB 155	Red 15 Green 33 Blue 5 RGB 47	15.6	4.75	POKI RGB	103.3-2020mm (4.07-79.53in)	83.3mm (3.28in)

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

# POKI 504

## Length Availability List

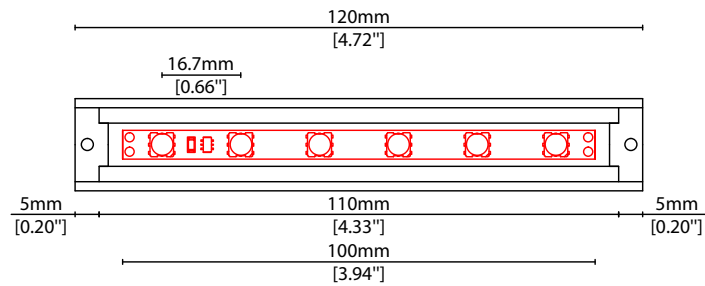


Length Code		Fixture Length <sup>1</sup>		LED Strip <sup>2</sup>		End Cap Dimension <sup>3</sup>		Wattage (W)	Output (lm)	
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)	Range Data
m0120	i0005	120mm	4.72in	100mm	3.94in	10mm	0.39in	1.25	37	20-39
m0220	i0009	220mm	8.66in	200mm	7.87in	10mm	0.39in	2.50	74	41-77
m0320	i0013	320mm	12.60in	300mm	11.81in	10mm	0.39in	3.75	111	61-116
m0420	i0017	420mm	16.54in	400mm	15.75in	10mm	0.39in	5.00	149	82-154
m0520	i0020	520mm	20.47in	500mm	19.69in	10mm	0.39in	6.25	186	102-193
m0620	i0024	620mm	24.41in	600mm	23.62in	10mm	0.39in	7.50	223	122-232
m0720	i0028	720mm	28.35in	700mm	27.56in	10mm	0.39in	8.75	260	143-270
m0820	i0032	820mm	32.28in	800mm	31.50in	10mm	0.39in	10.00	297	163-309
m0920	i0036	920mm	36.22in	900mm	35.43in	10mm	0.39in	11.25	334	184-347
m1020	i0040	1020mm	40.16in	1000mm	39.37in	10mm	0.39in	12.50	371	204-386
m1120	i0044	1120mm	44.09in	1100mm	43.31in	10mm	0.39in	13.75	408	224-425
m1220	i0048	1220mm	48.03in	1200mm	47.24in	10mm	0.39in	15.00	446	245-463
m1320	i0052	1320mm	51.97in	1300mm	51.18in	10mm	0.39in	16.25	483	265-502
m1420	i0056	1420mm	55.91in	1400mm	55.12in	10mm	0.39in	17.50	520	286-541
m1520	i0060	1520mm	59.84in	1500mm	59.06in	10mm	0.39in	18.75	557	306-579
m1620	i0064	1620mm	63.78in	1600mm	62.99in	10mm	0.39in	20.00	594	326-618
m1720	i0068	1720mm	67.72in	1700mm	66.93in	10mm	0.39in	21.25	631	347-656
m1820	i0072	1820mm	71.65in	1800mm	70.87in	10mm	0.39in	22.50	668	367-695
m1920	i0076	1920mm	75.59in	1900mm	74.80in	10mm	0.39in	23.75	705	388-734
m2020	i0080	2020mm	79.53in	2000mm	78.74in	10mm	0.39in	25.00	743	408-772

<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

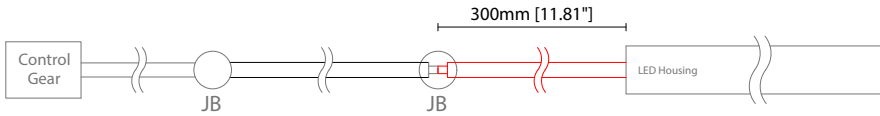
<sup>3</sup> Actual length of 2x end caps



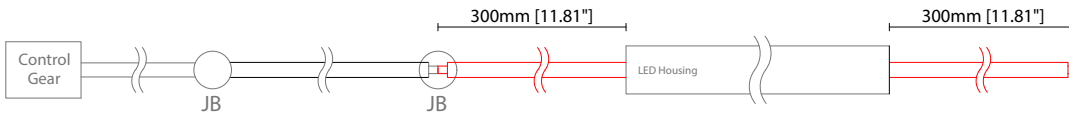
### POWER FEED OPTIONS

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

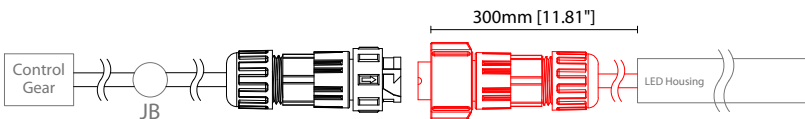
**0300 S00A 300mm (11.81") Single ø4.3mm sheath tail**



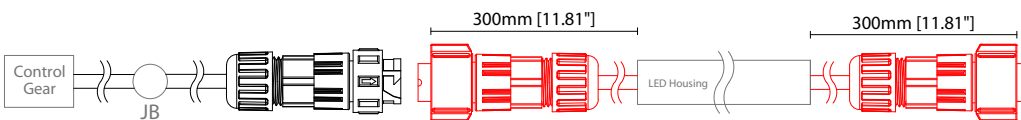
**0300 D00A 300mm (11.81") Double ø4.3mm sheath tail**



**0300 S67A 300mm (11.81") Single ø4.3mm sheath IP67 connector**

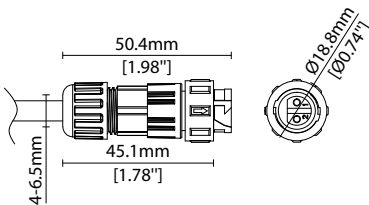


**0300 D67A 300mm (11.81") Double ø4.3mm sheath IP67 connector**

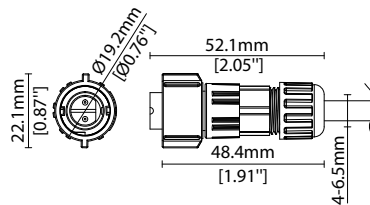


### IP67 2 Pin Connector

Female connector  
2 PIN (IP67)



Male connector  
2 PIN (IP67)



### Key

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

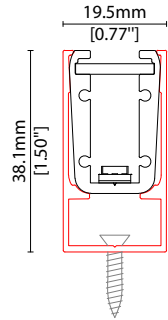
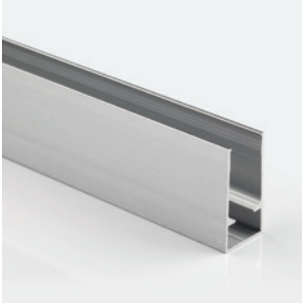
Linear

# POKI 504 Accessories

# KKDC

## MOUNTING ACCESSORIES

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



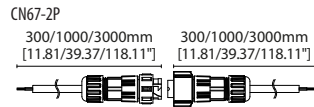
**KKCR-02\***

Channel  
Anodised aluminium finish

W19.5/H38.1mm  
(W0.77/H1.5")

\* Specify length to match POKI

## POWER FEED



**IP67**

**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

## 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

Linear

# POKI 504 Accessories

# KKDC

## 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