



# TANA Spot HCRI Fixture Guide



Indoor | Surface | Output up to 257lm/module

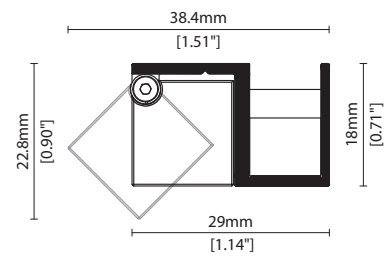


## Key applications

- ✓ Cabinet/Furniture
- ✓ Display case
- ✓ Interior
- ✓ Retail display
- ✓ Shelving display

## Key features

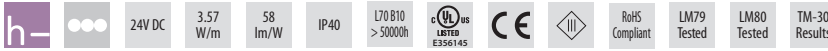
- ✓ CRI 90+
- ✓ IP40
- ✓ Lensed





# TANA Spot HCRI

## Specification sheet

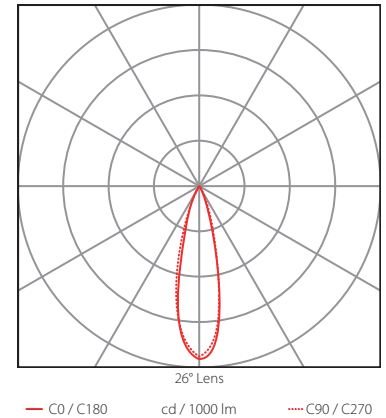
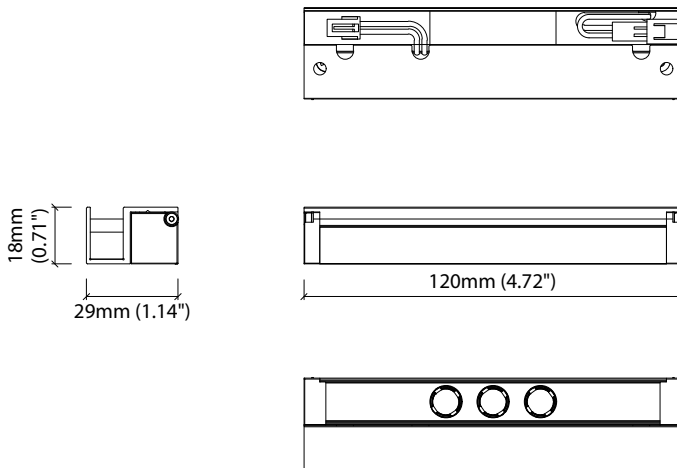


<b>Dimensions</b>	H18/W29/L120mm (H0.71/W1.14/L4.72in)
<b>PCB Cut-point</b>	-
<b>LED Pitch</b>	15mm (0.59in) - 3 LED per fixture
<b>Chip</b>	<b>h-line:</b> CREE/Lumileds
<b>Cover/Optics</b>	26°
<b>CCT</b>	<b>h-line:</b> 2700K/3000K
<b>LED binning</b>	<b>h-line:</b> 3-step MacAdam Ellipse
<b>CRI</b>	≥ 90
<b>Lifetime</b>	50,000 hours @ 25°C (50,000 hours @ 77°F)
<b>Operating temp</b>	T <sub>a</sub> = -25 to 50°C (T <sub>c</sub> max = 86.1°C) @ T <sub>a</sub> = 25°C (T <sub>c</sub> = 61.1°C) T <sub>a</sub> = -13 to 122°F (T <sub>c</sub> max = 187°F) @ T <sub>a</sub> = 77°F (T <sub>c</sub> = 142°F)
<b>IP Rating</b>	IP40
<b>Finish</b>	Silver anodised
<b>Mounting</b>	Surface mounting via screw fixing
<b>Power feed</b>	Male/female connectors
<b>Control</b>	Non-dimmable



<b>Power consumption</b>	<b>Supply voltage</b>	<b>Supply current</b>
3.57W	24V DC	0.15A

<b>26° Lens</b>		<b>CRI</b>	<b>R9</b>	<b>Rf</b>	<b>Rg</b>
<b>h-line</b>	257lm/module 72lm/W	93	77	-	-



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



# TANA Spot HCRI Code Table



## FIXTURE

Model	Finish	Grade	LED	Colour (CCT)	IP	Power Feed <sup>1</sup>	Fixing	Lens	Input				
TANA Spot	TA	Silver Anodised SA	h	h	TANA Spot HCRI	109	2700K 27	IP40 40	Single no sheath IP20 connector	S20X	Screw Fixed SF	26° lens 26	DC 24V g
		Black anodised BA					3000K 30		Double no sheath IP20 connector	D20X			

<sup>1</sup> Refer to **Power Feed Options** on **Options** pages

## Code Example:

TA	-	SA	-	h	-	109	-	30	-	40	-	S20X	-	SF	-	26	-	g
TANA Spot		Silver Anodised		h		TANA Spot HCRI		3000K		IP40		Single no sheath IP20 connector		Screw Fixed		26° lens		DC 24V

## LED ENGINE VARIANTS

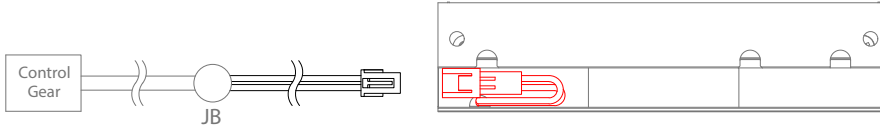
Luminaire	LED	CRI	Lumen/module	W	Spec Doc
TANA Spot	108	≥ 80	260/module	3.57	TANA Spot
<b>TANA Spot HCRI</b>	<b>109</b>	<b>≥ 90</b>	<b>257/module</b>	<b>3.57</b>	<b>TANA Spot HCRI</b>

\* Performance data: h-line, 26° lens, 2700K

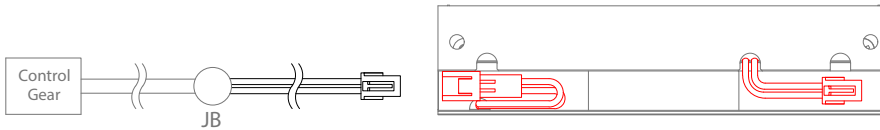
## POWER FEED OPTIONS

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

### S20X Single no sheath IP20 connector



### D20X Double no sheath IP20 connector



### Key

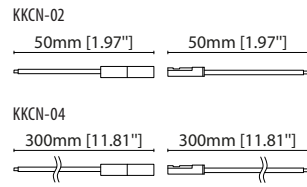
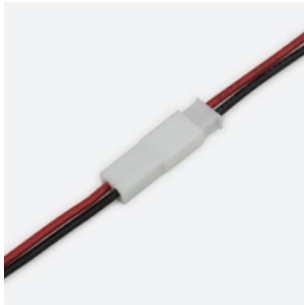
Control Gear Power supply, sub-controllers & control systems  
 JB Junction box / cable connection



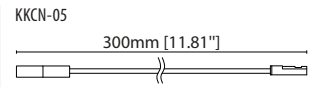
# TANA Spot Accessories



## POWER FEED



**KKCN-02** 50mm (1.97in) pair  
**KKCN-04** 300mm (11.81in) pair  
2 PIN male + female JST connector set



**KKCN-05**  
2 PIN 300mm (11.81in) extension lead (JST)

## 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)



# TANA Spot Driver/PSU Options



## 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