

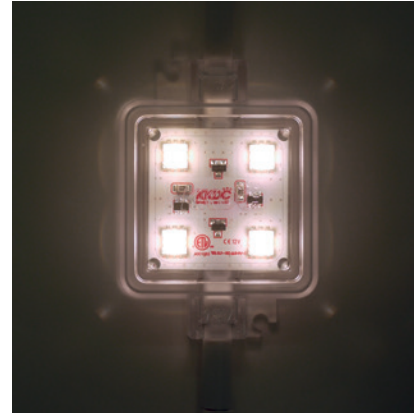
Flexible

# QUADRO Luna

## Fixture Guide

# KKDC

Indoor/Outdoor | Surface | Output up to 910lm/m (277lm/ft)

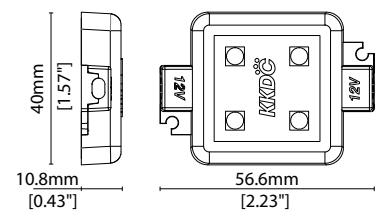


### Key applications

- ✓ Architectural detail
- ✓ Backlighting/Signage
- ✓ Bathrooms
- ✓ Building façades
- ✓ Cove lighting
- ✓ Indirect lighting
- ✓ Interior/Exterior
- ✓ Mirror back lighting
- ✓ Swimming pools
- ✓ Under bench
- ✓ Under cabinet

### Key features

- ✓ Custom lengths
- ✓ Diffusion: Spotting
- ✓ Extensive CCT range
- ✓ Flexible
- ✓ High lumen efficacy
- ✓ IP40
- ✓ IP65
- ✓ IP68
- ✓ Submersible



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# QUADRO Luna

## Specification sheet

# KKDC



<b>Dimensions</b>	H10.8/W40/L56.6mm (H0.43/W1.57/L2.23in) (9/13 modules per metre)
<b>PCB Cut-point</b>	111/77mm (4.37/3.03in)
<b>LED Pitch</b>	-
<b>Chip</b>	<b>s-line</b>
<b>Cover/Optics</b>	Clear (110°)
<b>CCT</b>	<b>s-line:</b> 2100K/2300K/2500K/2700K/3000K/3200K/3500K/4000K/5000K Single colours: Red/Green/Blue/Orange/Amber
<b>LED binning</b>	<b>s-line:</b> 2-step MacAdam ellipse
<b>CRI</b>	≥ 90
<b>Lifetime</b>	50,000 hours @ 25°C (50,000 hours @ 77°F)
<b>Operating temp</b>	IP40: T <sub>a</sub> = -25 to 50°C (T <sub>c</sub> max = 68°C) T <sub>a</sub> = -13 to 122°F (T <sub>c</sub> max = 154.4°F) IP65: T <sub>a</sub> = -25 to 50°C (T <sub>c</sub> max = 68°C) T <sub>a</sub> = -13 to 122°F (T <sub>c</sub> max = 154.4°F) IP68: T <sub>a</sub> = -25 to 50°C (T <sub>c</sub> max = 68°C) T <sub>a</sub> = -13 to 122°F (T <sub>c</sub> max = 154.4°F)
<b>IP Rating</b>	IP40/IP65/IP68
<b>Finish</b>	Polycarbonate
<b>Mounting</b>	3M adhesive tape (IP40/65), Screw fixing (IP68)
<b>Power feed</b>	Hardwire single/double ended sheathed tail
<b>Control</b>	0-10V/1-10V/DMX/DALI



### LED Grading Key

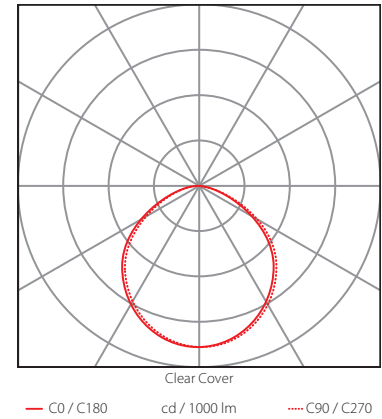
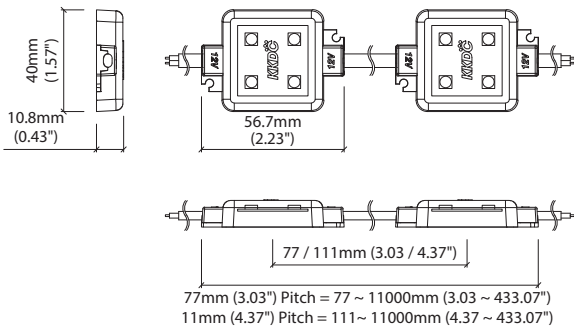
#### Exclusive Grade

**S** s-line\*  
2-step CCT range

\*KKDC tuned  
CCT range

12V DC	13 modules (77mm pitch)	14.0W/m (4.27W/ft)	1.17A/m (0.36A/ft)
12V DC	9 modules (111mm pitch)	9.7W/m (2.96W/ft)	0.81A/m (0.25A/ft)

	Clear Cover (13 modules)	Clear Cover (9 modules)	CRI	R9	Rf	Rg
<b>s-line</b>	910lm/m (277lm/ft) 64.8lm/W	640lm/m (195lm/ft) 65.4lm/W	90	50	-	-



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

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# QUADRO Luna

## Code Table

# KKDC

### FIXTURE

Model	Grade <sup>1</sup>	LED	Colour (CCT)		Length Availability <sup>2</sup>		IP	Cable Length		Power Feed <sup>3</sup>	Module Pitch	Input							
QUADRO Luna	QL	s	s	404	2100K	21	12V 111mm pitch	m	111-11000mm	IP40	40	100mm/3.94"	0100	Single Luna (2P) tail	S00C	77mm/ 3.03" <sup>4</sup>	0077	DC 12V	f
					2300K	23	12V 77mm pitch	m	77-11000mm	IP65	65	1000mm/39.37"	1000						
					2500K	25	12V 4.37" pitch	i	4.37-433.07in	IP68	68								
					2700K	27	12V 3.03" pitch	i	3.03-433.07in										
					3000K	30	(Specify length code OR total run length)												
					3200K	32													
					3500K	35													
					4000K	40													
					5000K	50													
					RED	RED	s only												
					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> 13 modules per metre @ 77mm/3.03" pitch

<sup>5</sup> 9 modules per metre @ 111mm/4.37" pitch

### Code Example:

QL	-	s	-	404	-	30	-	m	-	1000	-	65	-	1000	-	D00C	-	0077	-	f
QUADRO Luna		s		Luna		3000K		1000mm		IP65		1000mm/39.37"		Double Luna (2P) tail		77mm/3.03"		DC 12V		

### ACCESSORIES

#### 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)

Luminaire	LED	Lumen/m	Lumen/ft	W/m	W/ft	Spec Doc	Length
QUADRO Luna	404	930	283	9.7	2.96	QUADRO Luna	111-11000mm (4.37-433.07in) 111mm (4.37in) pitch)
QUADRO Luna RGB	402	Red 85 Green 225 Blue 36 RGB 322	Red 26 Green 69 Blue 11 RGB 98	9.7	2.96	QUADRO Luna RGB	77-11000mm (3.03-433.07in) 111mm (3.03in) pitch)

\* Performance data: s-line, clear cover, 13 Modules (77mm/3.03" pitch), 3000K



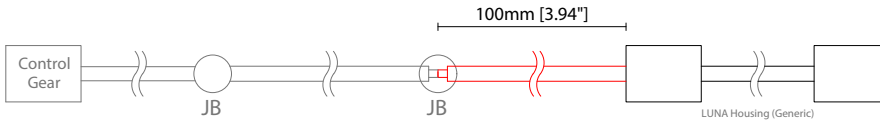
# QUADRO Luna Options



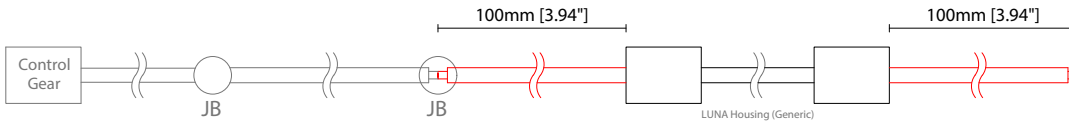
## POWER FEED OPTIONS

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

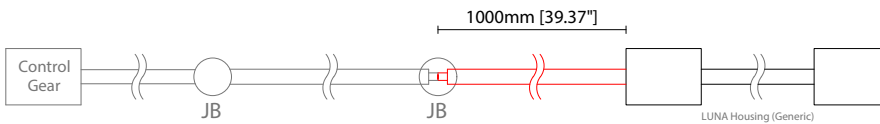
### 0100 S00C 100mm (3.94") Single Luna (2P) tail



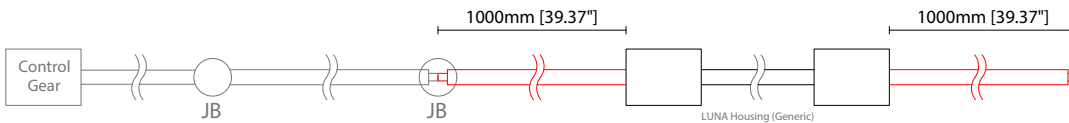
### 0100 D00C 100mm (3.94") Double Luna (2P) tail



### 1000 S00C 1000mm (39.37") Single Luna (2P) tail



### 1000 D00C 1000mm (39.37") Double Luna (2P) tail



### Key

Control Gear Power supply, sub-controllers & control systems

JB Junction box / cable connection

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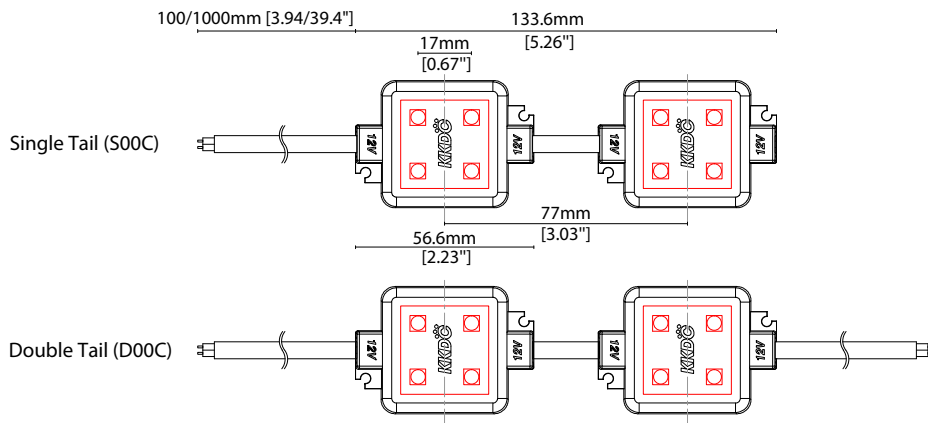
# QUADRO Luna (77mm)

## Length Availability List

# KKDC

Length Code		Fixture Length <sup>1</sup>		LED Modules	End Cap Dimension		Wattage (W)	Output (lm)
Metric	Imperial(US)	Metric	Imperial(US)	Quantity	Metric	Imperial(US)		3000K (Test Data)
m0057	i0002	57mm	2.23in	1ea	N/A	N/A	1.08	70
m0134	i0005	134mm	5.26in	2ea	N/A	N/A	2.16	140
m0211	i0008	211mm	8.30in	3ea	N/A	N/A	3.23	210
m0288	i0011	288mm	11.33in	4ea	N/A	N/A	4.31	279
m0365	i0014	365mm	14.36in	5ea	N/A	N/A	5.39	349
m0442	i0017	442mm	17.39in	6ea	N/A	N/A	6.47	419
m0519	i0020	519mm	20.42in	7ea	N/A	N/A	7.55	489
m0596	i0023	596mm	23.45in	8ea	N/A	N/A	8.62	559
m0673	i0026	673mm	26.48in	9ea	N/A	N/A	9.70	629
m0750	i0030	750mm	29.52in	10ea	N/A	N/A	10.78	699
m0827	i0033	827mm	32.55in	11ea	N/A	N/A	11.86	768
m0904	i0036	904mm	35.58in	12ea	N/A	N/A	12.94	838
m0981	i0039	981mm	38.61in	13ea	N/A	N/A	14.01	908
m1058	i0042	1058mm	41.64in	14ea	N/A	N/A	15.09	978
m1135	i0045	1135mm	44.67in	15ea	N/A	N/A	16.17	1048
m1212	i0048	1212mm	47.70in	16ea	N/A	N/A	17.25	1118
m1289	i0051	1289mm	50.74in	17ea	N/A	N/A	18.33	1188
m1366	i0054	1366mm	53.77in	18ea	N/A	N/A	19.40	1257
m1443	i0057	1443mm	56.80in	19ea	N/A	N/A	20.48	1327
m1520	i0060	1520mm	59.83in	20ea	N/A	N/A	21.56	1397
m1597	i0063	1597mm	62.86in	21ea	N/A	N/A	22.64	1467
m1674	i0066	1674mm	65.89in	22ea	N/A	N/A	23.72	1537
m1751	i0069	1751mm	68.93in	23ea	N/A	N/A	24.79	1607
m1828	i0072	1828mm	71.96in	24ea	N/A	N/A	25.87	1677

<sup>1</sup> Fixture length excludes power feed tail/s (100 or 1000mm / Single or Double Ended). The maximum length continues up to 10,994mm/443in (143 LED modules Max.) in 77mm increments



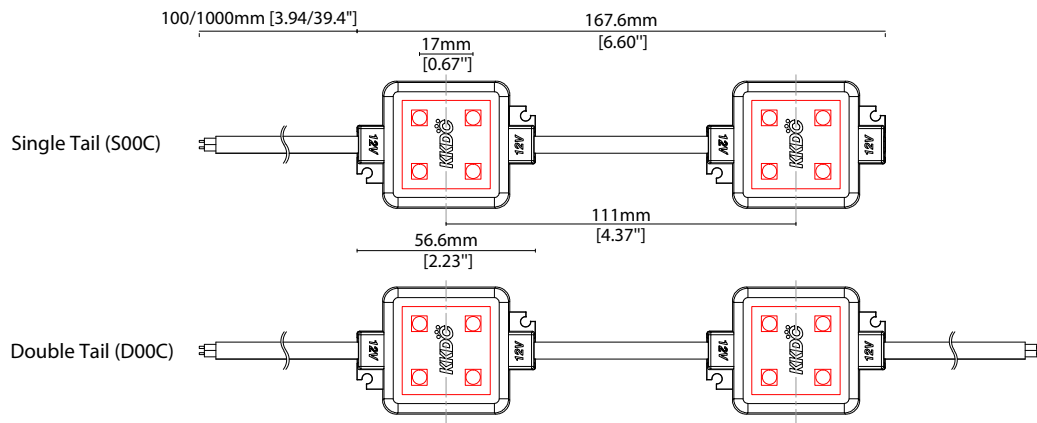
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# QUADRO Luna (111mm) Length Availability List



Length Code		Fixture Length <sup>1</sup>		LED Modules	End Cap Dimension		Wattage (W)	Output (lm)
Metric	Imperial(US)	Metric	Imperial(US)	Quantity	Metric	Imperial(US)		3000K (Test Data)
m0057	i0002	57mm	2.24in	1ea	N/A	N/A	1.08	71
m0168	i0007	168mm	6.61in	2ea	N/A	N/A	2.16	141
m0279	i0011	279mm	10.98in	3ea	N/A	N/A	3.23	212
m0390	i0015	390mm	15.35in	4ea	N/A	N/A	4.31	282
m0501	i0020	501mm	19.72in	5ea	N/A	N/A	5.39	353
m0612	i0024	612mm	24.09in	6ea	N/A	N/A	6.47	423
m0723	i0028	723mm	28.46in	7ea	N/A	N/A	7.55	494
m0834	i0033	834mm	32.83in	8ea	N/A	N/A	8.62	564
m0945	i0037	945mm	37.20in	9ea	N/A	N/A	9.70	635
m1056	i0042	1056mm	41.57in	10ea	N/A	N/A	10.78	705
m1167	i0046	1167mm	45.94in	11ea	N/A	N/A	11.86	776
m1278	i0050	1278mm	50.31in	12ea	N/A	N/A	12.94	846
m1389	i0055	1389mm	54.69in	13ea	N/A	N/A	14.01	917
m1500	i0059	1500mm	59.06in	14ea	N/A	N/A	15.09	987
m1611	i0064	1611mm	63.43in	15ea	N/A	N/A	16.17	1058
m1722	i0068	1722mm	67.80in	16ea	N/A	N/A	17.25	1128
m1833	i0072	1833mm	72.17in	17ea	N/A	N/A	18.33	1199
m1944	i0077	1944mm	76.54in	18ea	N/A	N/A	19.40	1269
m2055	i0081	2055mm	80.91in	19ea	N/A	N/A	20.48	1340
m2166	i0085	2166mm	85.28in	20ea	N/A	N/A	21.56	1410
m2277	i0090	2277mm	89.65in	21ea	N/A	N/A	22.64	1481
m2388	i0094	2388mm	94.02in	22ea	N/A	N/A	23.72	1551
m2499	i0098	2499mm	98.39in	23ea	N/A	N/A	24.79	1622
m2610	i0103	2610mm	102.76in	24ea	N/A	N/A	25.87	1692

<sup>1</sup> Fixture length excludes power feed tail/s (100 or 1000mm / Single or Double Ended). The maximum length continues up to 10,994mm/443in (143 LED modules Max.) in 77mm increments



Flexible

# QUADRO Luna 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-60-12	90-295V	12V	5.0A	60W	-	IP67
	HLG-80H-12	90-305V	12V	5.0A	60W	-	IP67
	HLG-120H-12	90-305V	12V	10.0A	120W	-	IP67
	HLG-150H-12	90-305V	12V	12.5A	150W	-	IP67
	HLG-240H-12	90-305V	12V	16.0A	192W	-	IP67
0-10V (1-10V)	PWM-40-12	90-305V	12V	3.34A	40W	100-0.15 (100-10)	IP67
	PWM-60-12	90-305V	12V	2.5A	60W	100-0.15 (100-10)	IP67
	PWM-90-12	90-305V	12V	3.67A	90W	100-0.15 (100-10)	IP67
	PWM-120-12	90-305V	12V	10.0A	120W	100-0.15 (100-10)	IP67
DALI	LIN100A1	120-277V	12V	2.08A per channel	100W	100-0.1	IP66/IP40
DMX RGB	LIN100A1	120-277V	12V	2.76A per channel	100W	100-0.1	IP66/IP40
DMX RGBW	LIN100A1	120-277A	12V	2.08A 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	HLG-80H-12	KKDM-06	90-305V	12V	5.0A	60W	100-0.9	IP67/IP20
	HLG-120H-12	KKDM-06	90-305V	12V	10.0A	120W	100-0.9	IP67/IP20
	HLG-150H-12	KKDM-06	90-305V	12V	12.5A	150W	100-0.9	IP67/IP20
	HLG-240H-12	KKDM-06	90-305V	12V	16.0A	192W	100-0.9	IP67/IP20
DALI	CEN-60-12	KKDL-02/03	90-295V	12V	2.5A	60W	100-0.1	IP67/IP20
	HLG-80H-12	KKDL-02/03	90-305V	12V	2.5A	60W	100-0.1	IP67/IP20
	HLG-120H-12	KKDL-02/03	90-305V	12V	10.0A	120W	100-0.1	IP67/IP20
	HLG-150H-12	KKDL-02/03	90-305V	12V	12.5A	150W	100-0.1	IP67/IP20
	HLG-240H-12	KKDL-02/03	90-305V	12V	16.0A	192W	100-0.1	IP67/IP20
DMX RGB	HLG-80H-12	KKSC-05	90-295V	12V	5.0A	60W	100-0.9	IP67/IP20
	HLG-120H-12	KKSC-05	90-295V	12V	10.0A	120W	100-0.9	IP67/IP20
	HLG-150H-12	KKSC-05	90-305V	12V	12.5A	150W	100-0.9	IP67/IP20
	HLG-240H-12	KKSC-05	90-305V	12V	16.0A	192W	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