

Flexible

QUADRO Luna RGB Fixture Guide

KKDÖ



Indoor/Outdoor | Surface | RGB output

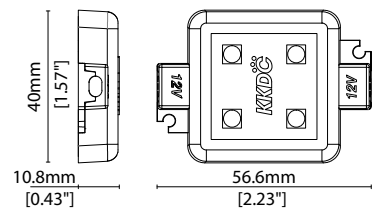


Key applications

- ✓ 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
- ✓ Flexible
- ✓ IP40
- ✓ IP65
- ✓ IP68
- ✓ RGB
- ✓ Submersible



Flexible

QUADRO Luna RGB

Specification sheet

KKDC



Dimensions	H10.8/W40/L56.6mm (H0.43/W1.57/L2.23in) (9/13 modules per metre)
PCB Cut-point	111/77mm (4.37/3.03in)
LED Pitch	-
Chip	RGB
Cover/Optics	Clear (110°)
CCT	Red 620-625nm/Blue 455-460nm/Green 520-525nm
LED binning	5nm tolerance
CRI	N/A
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	IP40: $T_a = -25$ to 50°C ($T_c \text{ max} = 68^\circ\text{C}$) $T_a = -13$ to 122°F ($T_c \text{ max} = 154.4^\circ\text{F}$) IP65: $T_a = -25$ to 50°C ($T_c \text{ max} = 68^\circ\text{C}$) $T_a = -13$ to 122°F ($T_c \text{ max} = 154.4^\circ\text{F}$) IP68: $T_a = -25$ to 50°C ($T_c \text{ max} = 68^\circ\text{C}$) $T_a = -13$ to 122°F ($T_c \text{ max} = 154.4^\circ\text{F}$)
IP Rating	IP40/IP65/IP68
Finish	Polycarbonate
Mounting	3M adhesive tape (IP40/65), Screw fixing (IP68)
Power feed	Hardwire single/double ended sheathed tail
Control	DMX/DALI



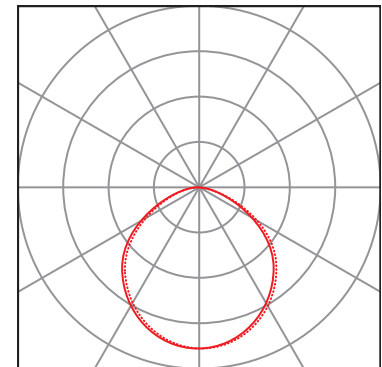
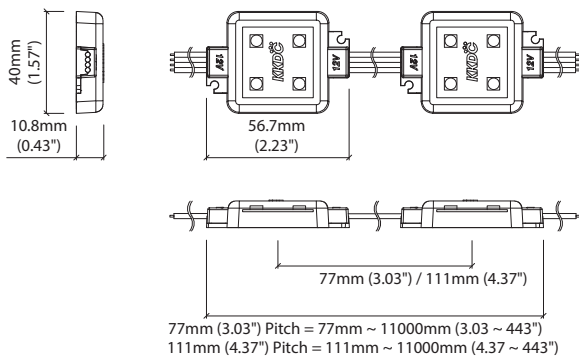
Supply voltage	Modules per metre	Power consumption	Supply current
12V DC	13 modules (77mm pitch)	14.0W/m (4.27W/ft)	1.17A/m (0.36A/ft)
12V DC	9 modules (111mm pitch)	9.7W/m (2.96W/ft)	0.81A/m (0.25A/ft)

Clear Cover (9modules)

Red: 63lm/m (19lm/ft)
 Green: 142lm/m (43lm/ft)
 Blue: 25lm/m (8lm/ft)
 RGB: 213lm/m (65lm/ft)

Clear Cover (13modules)

Red: 85lm/m (26lm/ft)
 Green: 225lm/m (69lm/ft)
 Blue: 36lm/m (11lm/ft)
 RGB: 322lm/m (98lm/ft)



Clear Cover
 — C0 / C180 cd / 1000 lm C90 / C270

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

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QUADRO Luna RGB

Code Table

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FIXTURE

Model	Grade	LED	Colour (CCT)	Length Availability ¹		IP	Cable Length	Power Feed ²	Module Pitch	Input									
QUADRO Luna	QL	s	402	RGB	RGB	111mm pitch	m	111-11000mm	IP40	40	100mm/3.94"	0100	Single Luna- RGB (4P) tail	S00D	77mm/ 3.03" ³	0077	DC 12V	f	
									IP65	65	1000mm/39.37"	1000							
									IP68	68	4.37" pitch	i	4.37-443in	Double Luna- RGB (4P) tail	D00D	111mm/ 4.37" ⁴			0111
(Specify length code OR total run length)																			

¹ Refer to **Length Availability List** or enter total run length instead of length code

² Refer to **Power Feed Options** on **Options** pages

³ 13 modules per metre @ 77mm/3.03" pitch

⁴ 9 modules per metre @ 111mm/4.37" pitch

Code Example:

QL	-	s	-	402	-	RGB	-	m	-	1000	-	65	-	1000	-	D00D	-	0077	-	f
QUADRO Luna				Luna RGB		RGB		RGB		1000mm		IP65		1000mm/39.37"		Double Luna- RGB (4P) 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	910	277	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: RGB, clear cover, 13 Modules (77mm/3.03" pitch)

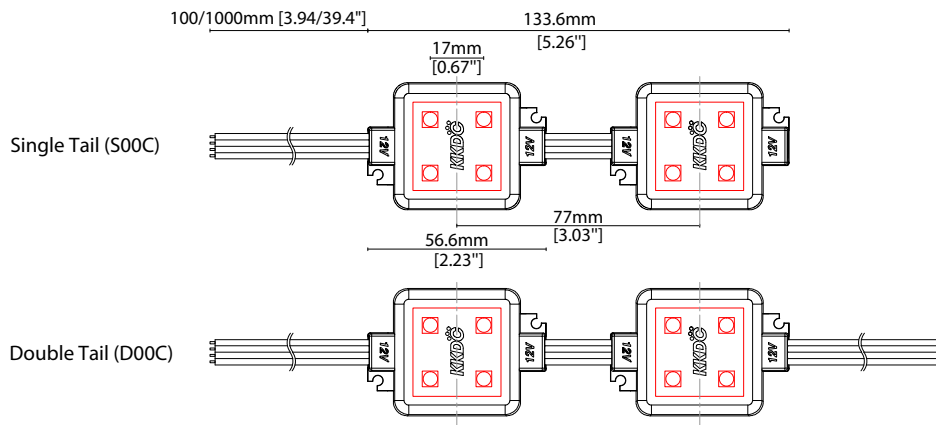
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QUADRO Luna RGB (77mm) Length Availability List



Length Code		Fixture Length ¹		LED Modules	End Cap Dimension		Wattage (W)	Output (lm)			
Metric	Imperial(US)	Metric	Imperial(US)	Quantity	Metric	Imperial(US)		R	G	B	W
m0057	i0002	57mm	2.23in	1ea	N/A	N/A	1.08	12	31	5	45
m0134	i0005	134mm	5.26in	2ea	N/A	N/A	2.16	24	62	10	89
m0211	i0008	211mm	8.30in	3ea	N/A	N/A	3.24	35	93	15	134
m0288	i0011	288mm	11.33in	4ea	N/A	N/A	4.32	47	125	20	178
m0365	i0014	365mm	14.36in	5ea	N/A	N/A	5.40	59	156	25	223
m0442	i0017	442mm	17.39in	6ea	N/A	N/A	6.48	71	187	30	268
m0519	i0020	519mm	20.42in	7ea	N/A	N/A	7.56	82	218	35	312
m0596	i0023	596mm	23.45in	8ea	N/A	N/A	8.64	94	249	40	357
m0673	i0026	673mm	26.48in	9ea	N/A	N/A	9.72	106	280	45	401
m0750	i0030	750mm	29.52in	10ea	N/A	N/A	10.80	118	312	50	446
m0827	i0033	827mm	32.55in	11ea	N/A	N/A	11.88	129	343	55	490
m0904	i0036	904mm	35.58in	12ea	N/A	N/A	12.96	141	374	60	535
m0981	i0039	981mm	38.61in	13ea	N/A	N/A	14.04	153	405	65	580
m1058	i0042	1058mm	41.64in	14ea	N/A	N/A	15.12	165	436	70	624
m1135	i0045	1135mm	44.67in	15ea	N/A	N/A	16.20	177	467	75	669
m1212	i0048	1212mm	47.70in	16ea	N/A	N/A	17.28	188	498	80	713
m1289	i0051	1289mm	50.74in	17ea	N/A	N/A	18.36	200	530	85	758
m1366	i0054	1366mm	53.77in	18ea	N/A	N/A	19.44	212	561	90	803
m1443	i0057	1443mm	56.80in	19ea	N/A	N/A	20.52	224	592	95	847
m1520	i0060	1520mm	59.83in	20ea	N/A	N/A	21.60	235	623	100	892
m1597	i0063	1597mm	62.86in	21ea	N/A	N/A	22.68	247	654	105	936
m1674	i0066	1674mm	65.89in	22ea	N/A	N/A	23.76	259	685	110	981
m1751	i0069	1751mm	68.93in	23ea	N/A	N/A	24.84	271	717	115	1025
m1828	i0072	1828mm	71.96in	24ea	N/A	N/A	25.92	282	748	120	1070

¹ 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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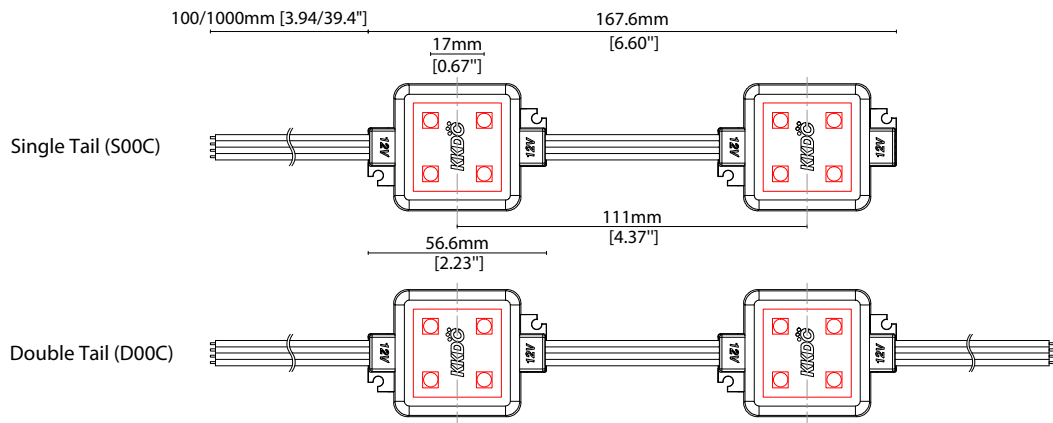
QUADRO Luna RGB (111mm)

Length Availability List



Length Code		Fixture Length ¹		LED Modules	End Cap Dimension		Wattage (W)	Output (lm)			
Metric	Imperial(US)	Metric	Imperial(US)	Quantity	Metric	Imperial(US)		R	G	B	W
m0057	i0002	57mm	2.24in	1ea	N/A	N/A	1.08	13	28	5	43
m0168	i0007	168mm	6.61in	2ea	N/A	N/A	2.16	25	57	10	85
m0279	i0011	279mm	10.98in	3ea	N/A	N/A	3.24	38	85	15	128
m0390	i0015	390mm	15.35in	4ea	N/A	N/A	4.32	50	114	20	170
m0501	i0020	501mm	19.72in	5ea	N/A	N/A	5.40	63	142	25	213
m0612	i0024	612mm	24.09in	6ea	N/A	N/A	6.48	76	170	30	256
m0723	i0028	723mm	28.46in	7ea	N/A	N/A	7.56	88	199	35	298
m0834	i0033	834mm	32.83in	8ea	N/A	N/A	8.64	101	227	40	341
m0945	i0037	945mm	37.20in	9ea	N/A	N/A	9.72	113	256	45	383
m1056	i0042	1056mm	41.57in	10ea	N/A	N/A	10.80	126	284	50	426
m1167	i0046	1167mm	45.94in	11ea	N/A	N/A	11.88	139	312	55	469
m1278	i0050	1278mm	50.31in	12ea	N/A	N/A	12.96	151	341	60	511
m1389	i0055	1389mm	54.69in	13ea	N/A	N/A	14.04	164	369	65	554
m1500	i0059	1500mm	59.06in	14ea	N/A	N/A	15.12	176	398	70	596
m1611	i0064	1611mm	63.43in	15ea	N/A	N/A	16.20	189	426	75	639
m1722	i0068	1722mm	67.80in	16ea	N/A	N/A	17.28	202	454	80	682
m1833	i0072	1833mm	72.17in	17ea	N/A	N/A	18.36	214	483	85	724
m1944	i0077	1944mm	76.54in	18ea	N/A	N/A	19.44	227	511	90	767
m2055	i0081	2055mm	80.91in	19ea	N/A	N/A	20.52	239	540	95	809
m2166	i0085	2166mm	85.28in	20ea	N/A	N/A	21.60	252	568	100	852
m2277	i0090	2277mm	89.65in	21ea	N/A	N/A	22.68	265	596	105	895
m2388	i0094	2388mm	94.02in	22ea	N/A	N/A	23.76	277	625	110	937
m2499	i0098	2499mm	98.39in	23ea	N/A	N/A	24.84	290	653	115	980
m2610	i0103	2610mm	102.76in	24ea	N/A	N/A	25.92	302	682	120	1022

¹ 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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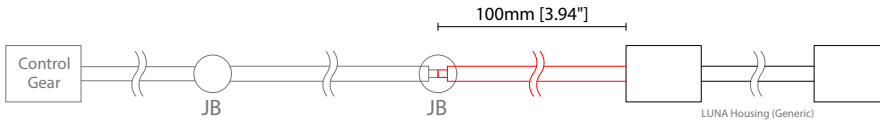
QUADRO Luna RGB Options

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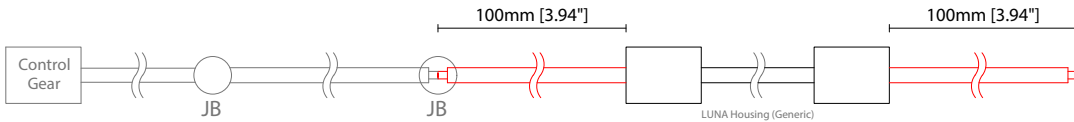
POWER FEED OPTIONS

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

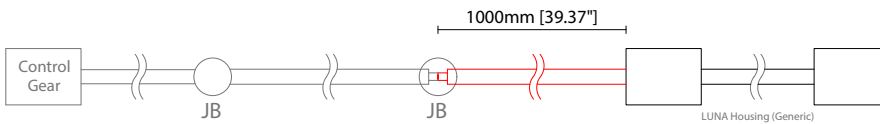
0100 S00D 100mm (3.94") Single Luna-RGB (4P) tail



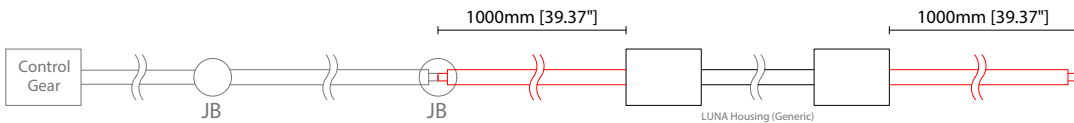
0100 D00D 100mm (3.94") Double Luna-RGB (4P) tail



1000 S00D 1000mm (39.37") Single Luna-RGB (4P) tail



1000 D00D 1000mm (39.37") Double Luna-RGB (4P) tail



Key

Control Gear Power supply, sub-controllers & control systems

JB Junction box / cable connection

Flexible

QUADRO Luna RGB Accessories

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KKDC CONTROL



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)

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-02/03/04/visDIM PRO 30	90-295V	12V	2.5A	60W	100-0.1	IP67/IP20
	HLG-80H-12	KKDL-02/03/04/visDIM PRO 30	90-305V	12V	2.5A	60W	100-0.1	IP67/IP20
	HLG-120H-12	KKDL-02/03/04/visDIM PRO 30	90-305V	12V	10.0A	120W	100-0.1	IP67/IP20
	HLG-150H-12	KKDL-02/03/04/visDIM PRO 30	90-305V	12V	12.5A	150W	100-0.1	IP67/IP20
	HLG-240H-12	KKDL-02/03/04/visDIM PRO 30	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

¹ The items shown above cover the most frequently used specification but does not exhaust the possible options

² 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

³ Electrical shop drawing will include detailed information of PSU and relevant control drivers

⁴ Cut sheets are available on the controls section of www.kkdc.lighting or upon request