



formalighting

Pixel Controlled Linear Light

2026

Pixel Controlled Linear Light

Plastic free packaging

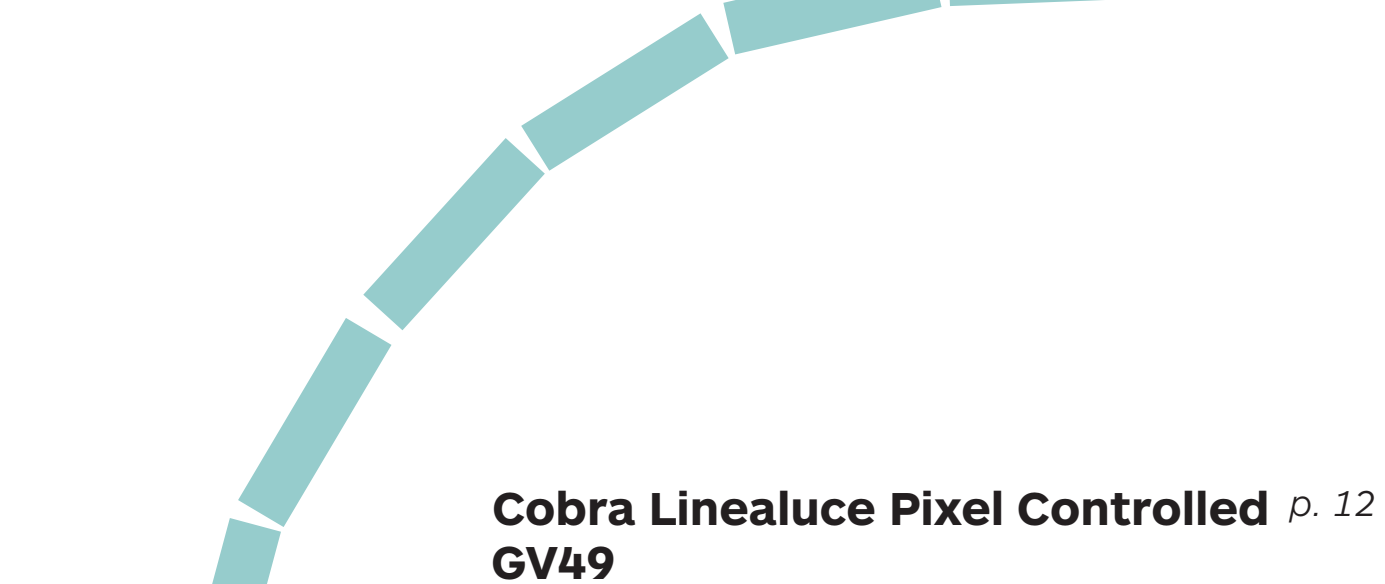
Pixel Controlled Linear Light



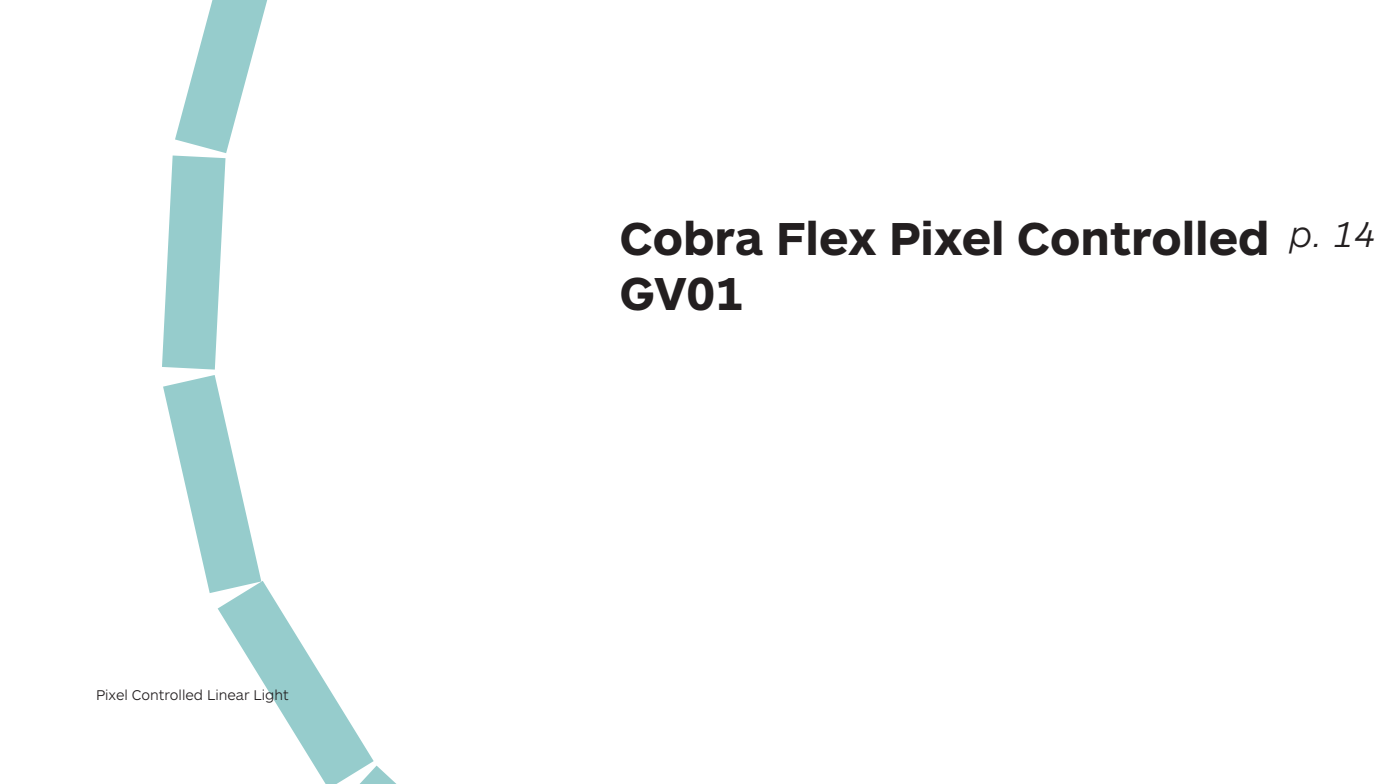
Mini Cobra Linealuce Pixel Controlled GV51 *p. 08*



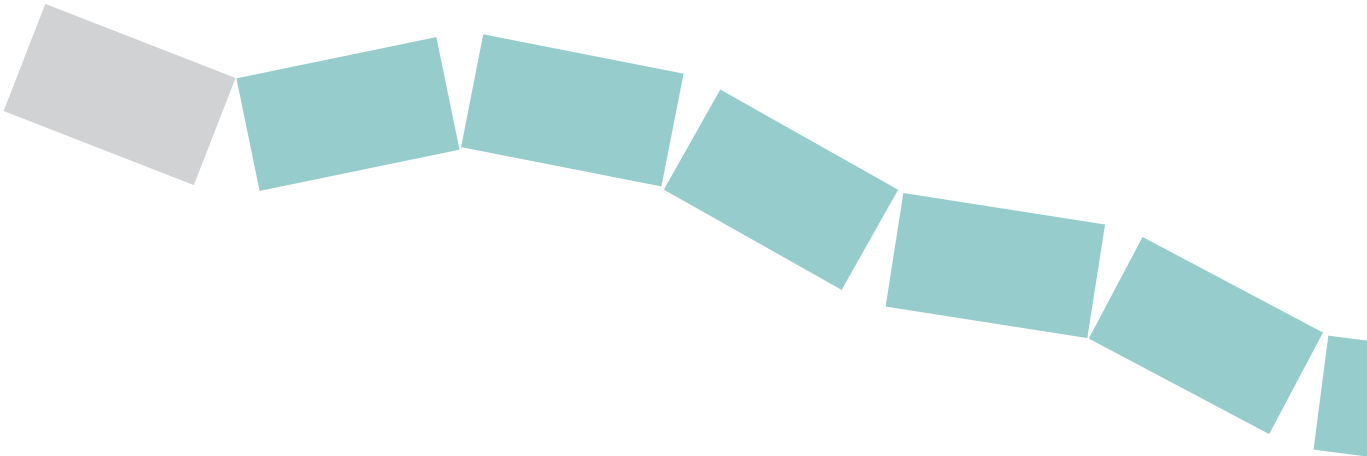
Mini Cobra Flex Pixel Controlled GV30 *p. 10*



Cobra Linealuce Pixel Controlled GV49 *p. 12*



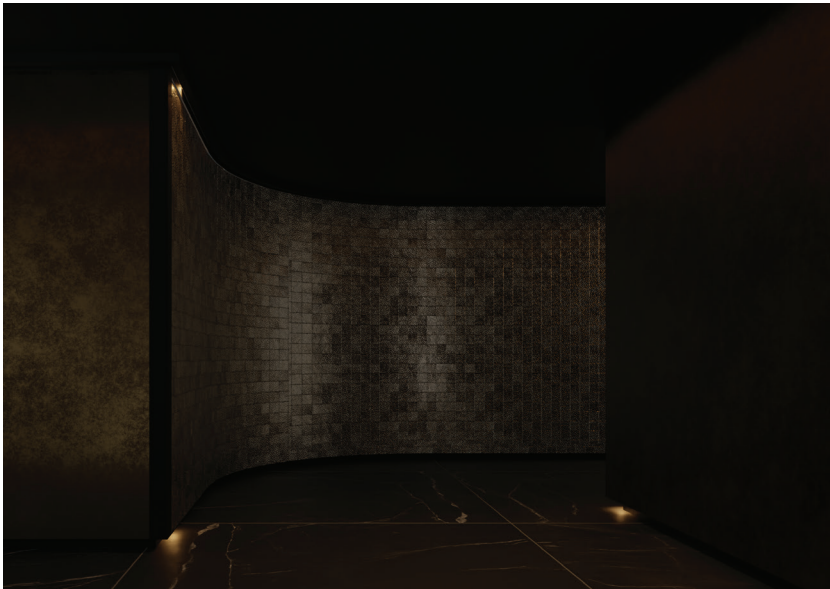
Cobra Flex Pixel Controlled GV01 *p. 14*



Light that moves with your architecture



Precise mapping with Pixel control



Smooth Motion



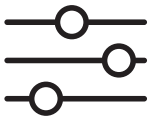
Follow complex curves



Wall grazing & Wallwash

Choose your SPI Controller

2J23 *
DMX-SPI-203 LED Controller



DMX



RF Wireless Remote

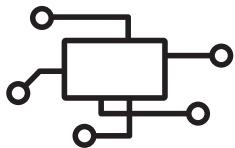
The DMX-SPI-203 is a controller that translates DMX lighting commands into a format that Cobra Pixel Controlled can understand. (SPI)

It operates in two primary ways:

- **Administration Mode:** Lets you use a remote control to choose from hundreds of built-in lighting effects. You can easily adjust basic settings like the color, speed, brightness, and the direction the lights move.
- **Decode Mode:** Gives you advanced, custom control over every single LED. This mode allows you to program your own completely unique lighting effects and smoothly dim the lights from 0 to 100%.

* Please refer to the user manual for more information

2J24 *
ArtNet-SPI-1 Converter



ArtNet



Compatible with all the ArtNet software

A DMX-to-SPI Art-Net Controller is a network-based lighting control device that converts **Art-Net or DMX lighting data** into **SPI (Serial Peripheral Interface) signals** for controlling addressable Cobra Pixel Controlled.

2J25 *
CASAMBI SPI Controller



CASAMBI



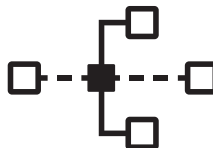
Wireless compatible iOS & Android apps

The Casambi SPI Controller is a wireless lighting controller that allows you to manage programmable Cobra Pixel controlled directly from your smartphone or tablet using the Casambi app.

Its primary functions include:

- **Wireless Configuration:** It connects to a Bluetooth network, allowing you to use the mobile app to select your specific LED chip type and set the exact number of connected pixels, with the capacity to control up to **512 pixels**.
- **Custom Lighting Control:** Use **built-in preset lighting programs**. Through the app, you can easily control the overall dimming, adjust the speed of the lighting effects, and change the moving direction of the lights.

2J26 *
SPI Midway Power & Signal Connector



SPI Midway Power & Signal Connector

Mini Cobra Linealuce

Pixel Controlled

Designed by Ponctuelle

The Mini Cobra Linealuce SPI version is developed for use in interior architectural lighting projects that require wall grazing and wallwash lighting on linear surfaces. The Mini Cobra Linealuce SPI version features full pixel-level control.

SPI variants enable individual addressing of each LED, supporting complex animations, chases, and dynamic lighting scenes playback. The rigid Mini Cobra is ideal for straight runs and permanent installations, operates on 24V low-voltage DC power, is compatible with SPI controllers, and delivers high refresh rates without flicker.

Mini Cobra Linealuce offers a professional solution for architectural detailing, stage design, retail displays, and interactive environments that require precise pixel mapping.

Remote Power Supply and SPI controller to be ordered separately.



Mounting options:

- Integrated Magnet
 - Magnet L Bracket
 - Mounting U Clip
- Mounting accessories included.

Mounting Adjustable Brackets.
To be ordered separately.

Accessories:

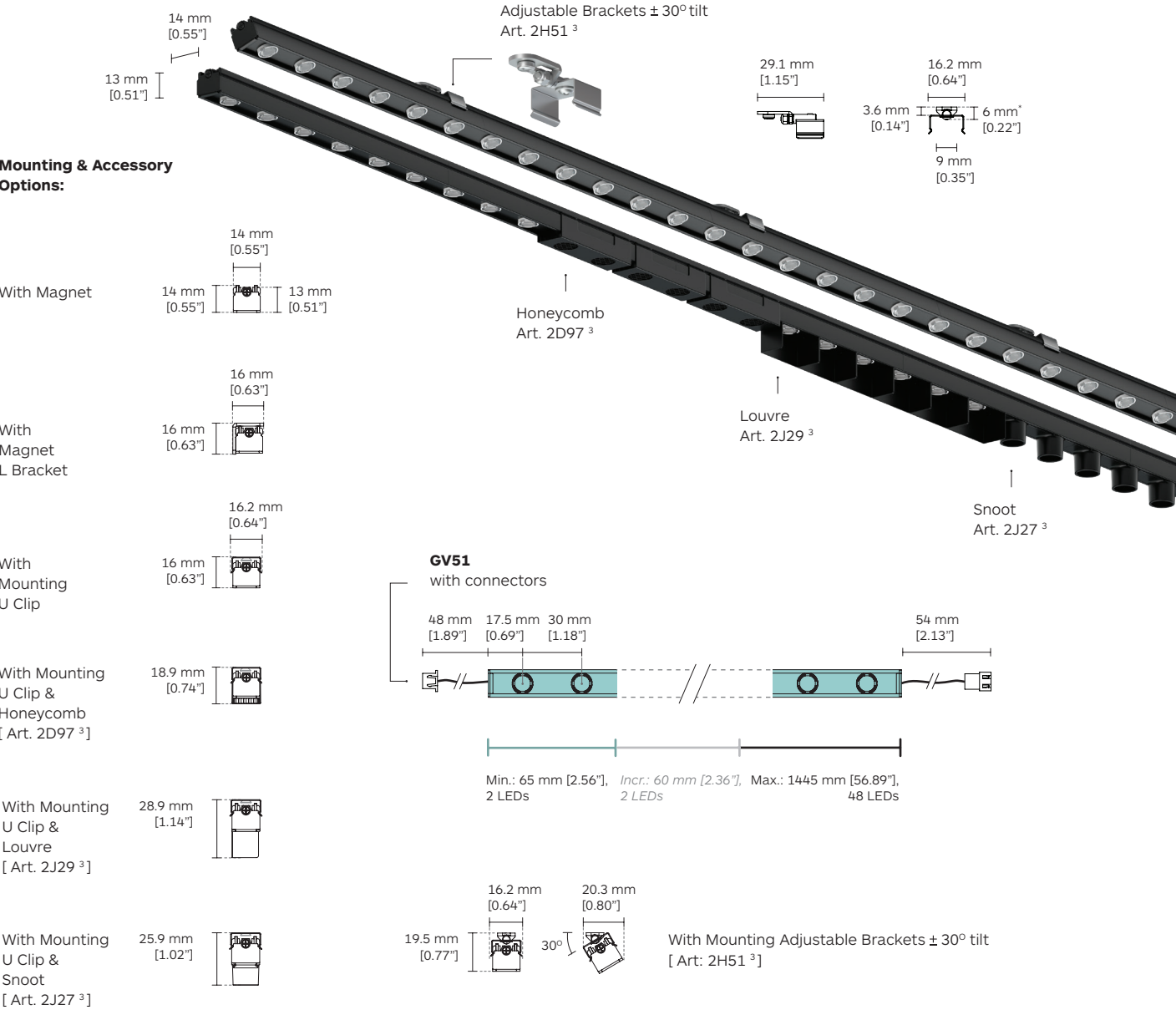
- Honeycomb
 - Louvre
 - Shoot
 - Adjustable Bracket
- Accessories to be ordered separately.
For related accessories, please see page 27.

Required SPI Control Interface:

- 2J23 DMX-SPI-203 Controller
 - 2J24 ArtNet-SPI-1 Converter
 - 2J25 CASAMBI SPI Controller
- Control interface to be ordered separately, please see pages 24-25.

Mini Cobra Linealuce

Pixel Controlled



		Product Code	Length Code ¹	CCT Options ²	LED Power	Nominal Lumen	Beam Angle (BA°)	Control Option ⁴
CRI > 95 High Rendering	Mini Cobra Linealuce	GV51	Min. 0065	27 2700K	1 W/LED	78 lm/LED	32°	SP - SPI Control
			⋮	30 3000K		80 lm/LED		
			Max. 1445	35 3500K		85 lm/LED		
				40 4000K		90 lm/LED		

¹ For complete list of length codes, please see page 18. ² 2100K, 2400K and other CCT options available on request.
³ To be ordered separately. For related accessories, Please see page 27. ⁴ Control Option **SP** = SPI Control System, please see pages 06-07 for more details.
* The mounting base of the Adjustable Bracket is 6mm from the surface. To calculate the total height, add the height of the LED profile.

Recommended Driver: The 24Vdc constant voltage driver is to be ordered separately.
CASAMBI / DMX / Art-Net / SPI gateways are available for controlling the Cobra and Mini Cobra systems, to be ordered separately.

Mini Cobra Flex Pixel Controlled

Designed by Ponctuelle

The Mini Cobra SPI Series is developed for use in interior architectural lighting projects that require wall grazing and wallwash lighting on linear and non-linear surfaces. The Mini Cobra Flex are now available in SPI versions featuring full pixel-level control. SPI variants enable individual addressing of each LED, supporting complex animations, chases, and dynamic lighting scenes playback.

The flexible Mini Cobra Flex SPI accommodates curved surfaces and irregular contours. Operate on 24V low-voltage DC power, are compatible with SPI controllers, and deliver high refresh rates without flicker. It offers a professional solution for architectural detailing, stage design, retail displays, and interactive environments where precise pixel mapping is required.

Remote Power Supply and SPI controller to be ordered separately.



Mounting options:

- Integrated Magnet
 - Magnet L Bracket
 - Mounting U Clip
- Mounting accessories included.

LED Sources:

High Rendering:
CRI: 95
CCT: 2700K, 3000K, 3500K, 4000K
Other power & CCT options available on request.

Accessories:

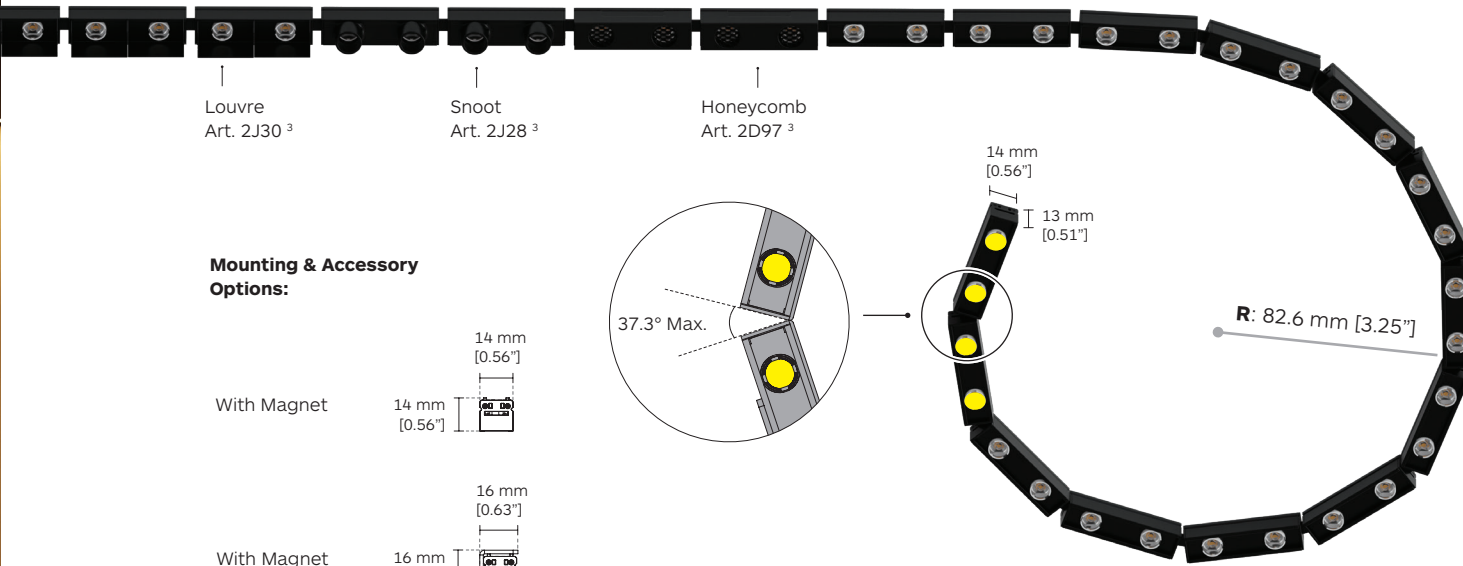
- Honeycomb
 - Louvre
 - Snoot
- Accessories to be ordered separately.
For related accessories, please see page 27.

Required SPI Control Interface:

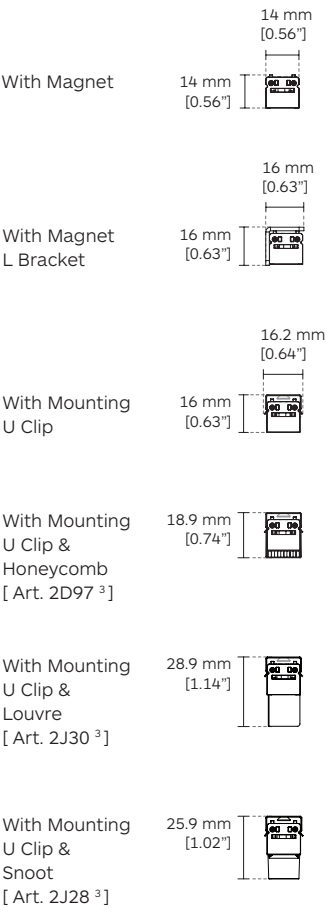
- 2J23 DMX-SPI-203 Controller
 - 2J24 ArtNet-SPI-1 Converter
 - 2J25 CASAMBI SPI Controller
- Control interface to be ordered separately, please see pages 24-25.

- 10 - Black
- 11 - White
- 28 - Brass Polished
- 35 - Gold

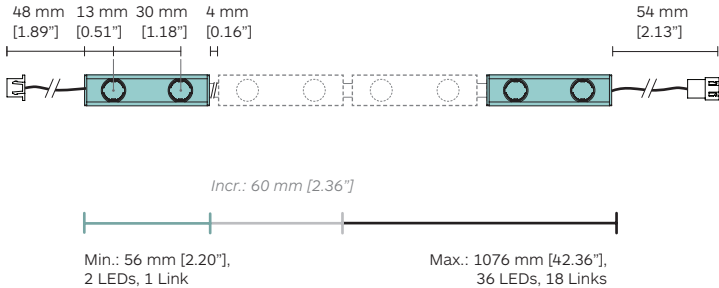
Mini Cobra Flex Pixel Controlled



Mounting & Accessory Options:



GV30 with connectors



	Product Code	Length Code ¹	CCT Options ²	LED Power	Nominal Lumen	Beam Angle (BA°)	Control Option ⁴
CRI > 95 High Rendering	Mini Cobra Flex	Min. 0056	27 2700K	1 W/LED	78 lm/LED	32°	SP - SPI Control
		⋮	30 3000K		80 lm/LED		
		Max. 1076	35 3500K		85 lm/LED		
			40 4000K		90 lm/LED		

¹ For complete list of length codes, please see page 19. ² 2100K, 2400K and other CCT options available on request.
³ To be ordered separately. For related accessories, Please see page 27. ⁴ Control Option **SP** = SPI Control System, please see pages 06-07 for more details.

Recommended Driver: The 24Vdc constant voltage driver is to be ordered separately. CASAMBI / DMX / Art-Net / SPI gateways are available for controlling the Cobra and Mini Cobra systems, to be ordered separately.

Cobra Linealuce Pixel Controlled

Designed by Ponctuelle

The Cobra Linealuce SPI version is developed for use in large-scale interior architectural lighting projects that require wall grazing and wallwash lighting on linear surfaces. The Cobra Linealuce SPI version features full pixel-level control.

SPI variants enable individual addressing of each LED, supporting complex animations, chases, and dynamic lighting scenes playback. The rigid Cobra is ideal for straight runs and permanent installations, operates on 24V low-voltage DC power, is compatible with SPI controllers, and delivers high refresh rates without flicker.

Cobra Linealuce offers a professional solution for architectural detailing, stage design, retail displays, and interactive environments where precise pixel mapping is required.

Remote Power Supply and SPI controller to be ordered separately.



Mounting option:

- Mounting U Clip
- Mounting accessories included.*

Accessories:

- Honeycomb
 - Louvre
 - Snoot
- Accessories to be ordered separately.*
For related accessories, please see page 27.

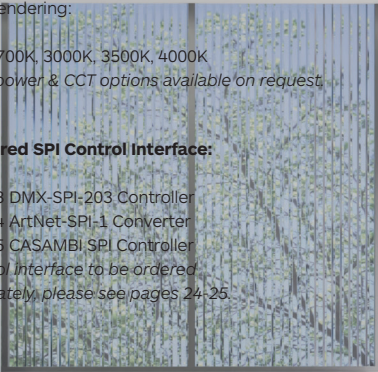
- 10** - Black
- 11** - White
- 28** - Brass Polished
- 35** - Gold

LED Sources:

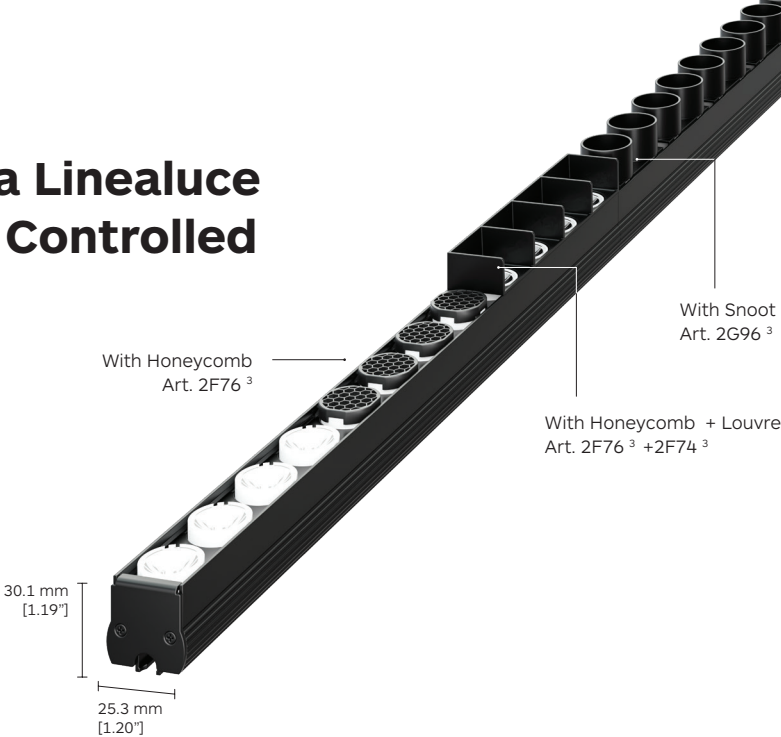
High Rendering:
CRI: 95
CCT: 2700K, 3000K, 3500K, 4000K
Other power & CCT options available on request.

Required SPI Control Interface:

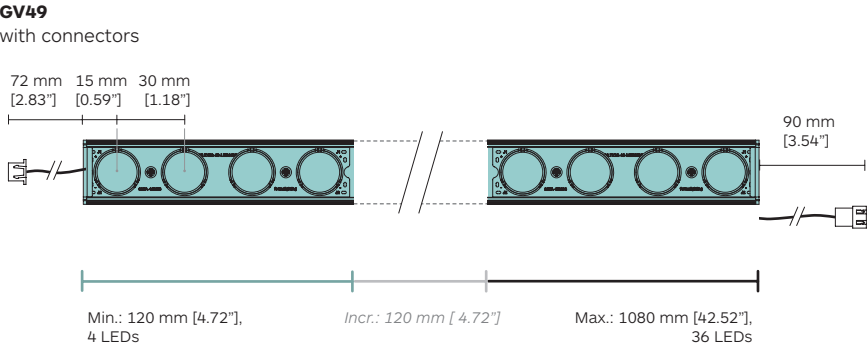
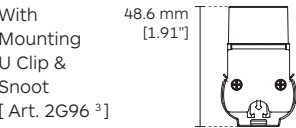
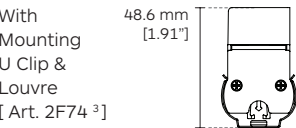
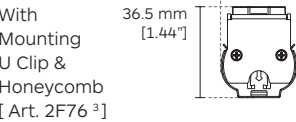
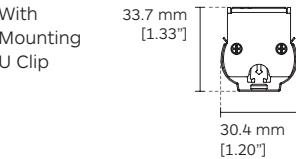
- 2J23 DMX-SPI-203 Controller
 - 2J24 ArtNet-SPI-1 Converter
 - 2J25 CASAMBI SPI Controller
- Control interface to be ordered separately, please see pages 24-25.*



Cobra Linealuce Pixel Controlled



Mounting & Accessory Options:



		Product Code	Length Code¹	CCT Options²	LED Power	Nominal Lumen	Beam Angle (BA°)	Control Option⁴
CRI > 95 High Rendering	Cobra Linealuce	GV49	Min. 0120	27 2700K	1.2 W/LED	95 lm/LED	17° / 29° / 45° / EL	SP - SPI Control
			⋮	30 3000K		100 lm/LED		
			Max. 1080	35 3500K		104 lm/LED		
				40 4000K		110 lm/LED		

¹ For complete list of length codes, please see page 20. ² 2100K, 2400K and other CCT options available on request. **EL** = Elliptical Beam (18° x 53°).
³ To be ordered separately. For related accessories, Please see page 27. ⁴ Control Option **SP** = SPI Control System, please see pages 06-07 for more details.

Recommended Driver: The 24Vdc constant voltage driver is to be ordered separately.
CASAMBI / DMX / Art-Net / SPI gateways are available for controlling the Cobra and Mini Cobra systems, to be ordered separately.

Cobra Flex Pixel Controlled

Designed by Ponctuelle

The Cobra SPI Series is developed for use in large-scale interior architectural lighting projects that require wall grazing and wallwash lighting on linear and non-linear surfaces. The Cobra Flex SPI version features full pixel-level control.

SPI variants enable individual addressing of each LED, supporting complex animations, chases, and dynamic lighting scenes playback. The flexible Cobra Flex SPI accommodates curved surfaces and irregular contours. Operate on 24V low-voltage DC power, are compatible with SPI controllers, and deliver high refresh rates without flicker.

It offers a professional solution for architectural detailing, stage design, retail displays, and interactive environments where precise pixel mapping is required.

Remote Power Supply and SPI controller to be ordered separately.



Mounting options:

- Mounting U Clip
Mounting accessories included.

LED Sources:

High Rendering:
CRI: 95
CCT: 2700K, 3000K, 3500K, 4000K
Other power & CCT options available on request.

Accessories:

- Honeycomb
- Louvre
- Snoot

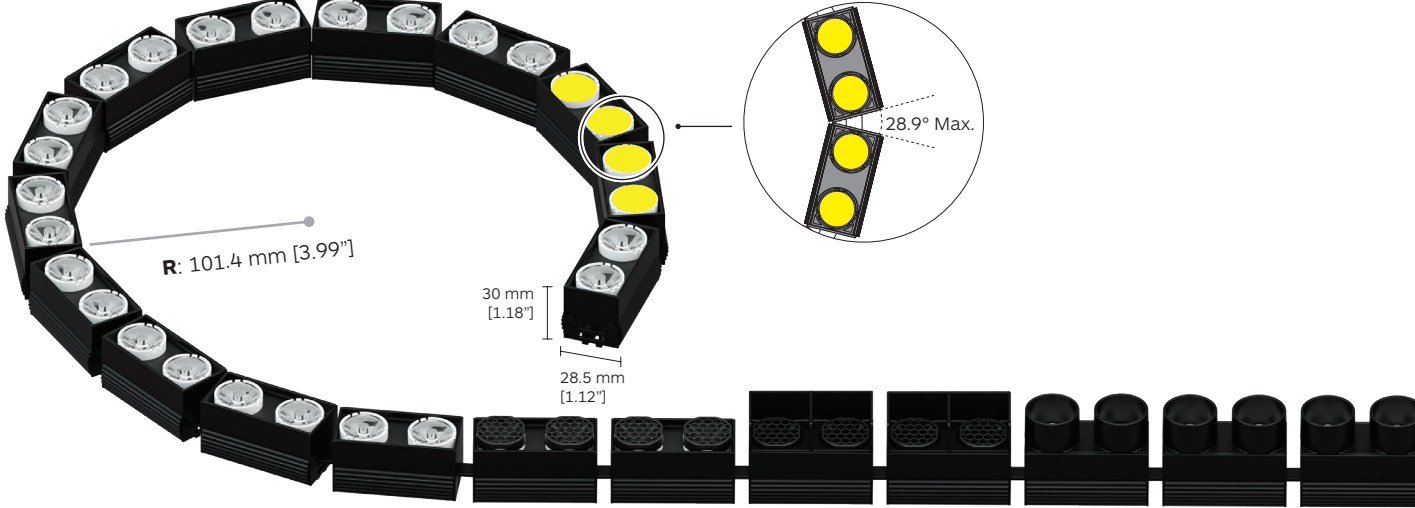
Accessories to be ordered separately. For related accessories, please see page 27.

Required SPI Control Interface:

- 2J23 DMX-SPI-203 Controller
 - 2J24 ArtNet-SPI-1 Converter
 - 2J25 CASAMBI SPI Controller
- Control interface to be ordered separately, please see pages 24-25.*

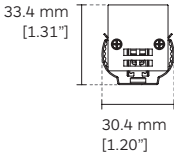
- 10 - Black
- 11 - White
- 28 - Brass Polished
- 35 - Gold

Cobra Flex Pixel Controlled

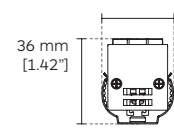


Mounting & Accessory Options:

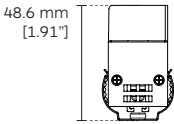
With Mounting U Clip



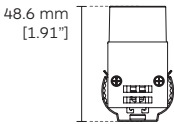
With Mounting U Clip & Honeycomb [Art. 2F76 ³]



With Mounting U Clip & Louvre [Art. 2F75 ³]



With Mounting U Clip & Snoot [Art. 2G96 ³]

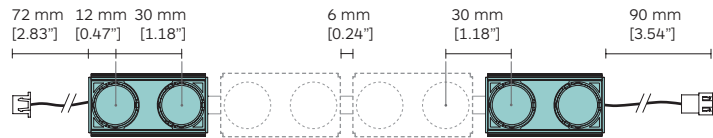


With Honeycomb Art. 2F76 ³

With Honeycomb + Louvre Art. 2F76 ³ + Art. 2F75 ³

With Snoot Art. 2G96 ³

GV01 with connectors



Incr.: 60 mm [2.36\"/>

Min.: 54 mm [2.13\"/>

Max.: 954 mm [37.56\"/>

		Product Code	Length Code ¹	CCT Options ²	LED Power	Nominal Lumen	Beam Angle (BA°)	Control Option ⁴
CRI > 95 High Rendering	Cobra Flex	GV01	Min. 0054	27 2700K	1.2 W/LED	95 lm/LED	17° / 29° / 45° / EL	SP - SPI Control
			⋮	30 3000K		100 lm/LED		
			Max. 0954	35 3500K		104 lm/LED		
				40 4000K		110 lm/LED		

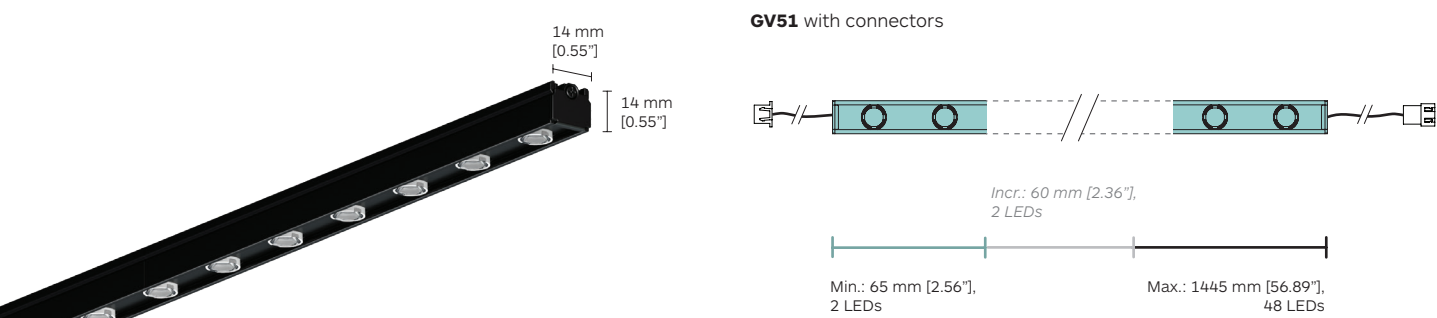
¹ For complete list of length codes, please see page 21. ² 2100K, 2400K and other CCT options available on request. **EL** = Elliptical Beam (18° x 53°).
³ To be ordered separately. For related accessories, Please see page 27. ⁴ Control Option **SP** = SPI Control System, please see pages 06-07 for more details.

Recommended Driver: The 24Vdc constant voltage driver is to be ordered separately. CASAMBI / DMX / Art-Net / SPI gateways are available for controlling the Cobra and Mini Cobra systems, to be ordered separately.

Complete Length List

Complete Length List

Mini Cobra Linealuce Pixel Controlled | GV51



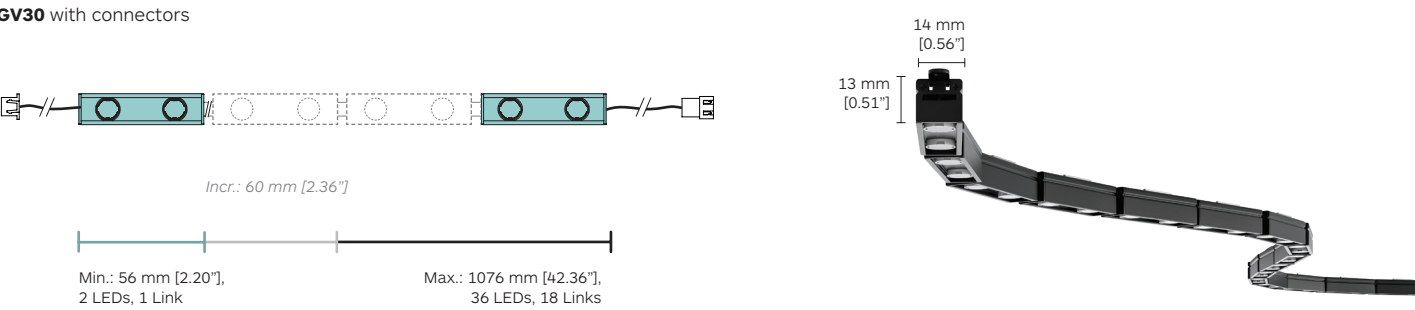
Available length codes ¹

No. of LEDs	LED Power	Length Code	Length in mm	Length in inches	Nominal Lumen
2	2 W	0065	65	2.55	160 lm
4	4 W	0125	125	4.92	320 lm
6	5.9 W	0185	185	7.28	480 lm
8	7.9 W	0245	245	9.64	640 lm
10	9.9 W	0305	305	12.00	800 lm
12	11.9 W	0365	365	14.37	960 lm
14	13.9 W	0425	425	16.73	1120 lm
16	15.8 W	0485	485	19.09	1280 lm
18	17.8 W	0545	545	21.45	1440 lm
20	19.8 W	0605	605	23.81	1600 lm
22	21.8 W	0665	665	26.18	1760 lm
24	23.8 W	0725	725	28.54	1920 lm
26	25.7 W	0785	785	30.90	2080 lm
28	27.7 W	0845	845	33.26	2240 lm
30	29.7 W	0905	905	35.62	2400 lm
32	31.7 W	0965	965	37.99	2560 lm
34	33.7 W	1025	1025	40.35	2720 lm
36	35.6 W	1085	1085	42.72	2880 lm
38	37.6 W	1145	1145	45.08	3040 lm
40	39.6 W	1205	1205	47.44	3200 lm
42	41.6 W	1265	1265	49.80	3360 lm
44	43.6 W	1325	1325	52.17	3520 lm
46	45.5 W	1385	1385	54.53	3680 lm
48	47.5 W	1445	1445	56.89	3840 lm

¹ Information in the chart above is related to 3000K, CRI 95 LED. * For driver information, please see pages 24-25.

Complete Length List

Mini Cobra Flex Pixel Controlled | GV30



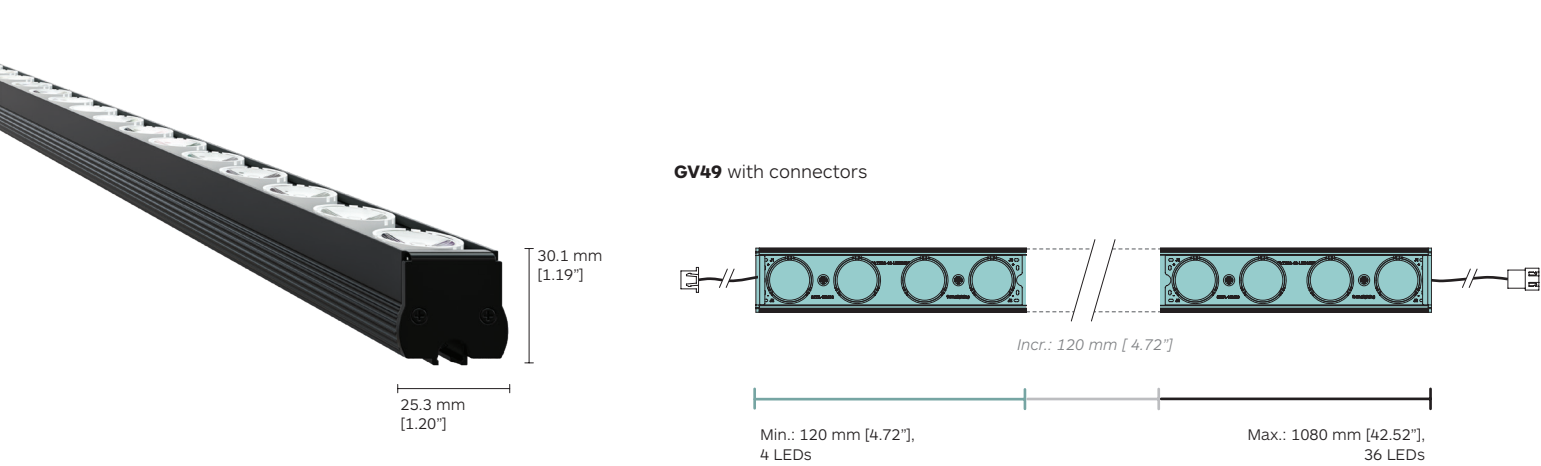
Available length codes ¹

No. of Links	LED Power	Length Code	Length in mm	Length in inches	Nominal Lumen
1	2 W	0056	56	2.20	160 lm
2	4 W	0116	116	4.57	320 lm
3	5.9 W	0176	176	6.93	480 lm
4	7.9 W	0236	236	9.29	640 lm
5	9.9 W	0296	296	11.65	800 lm
6	11.9 W	0356	356	14.02	960 lm
7	13.9 W	0416	416	16.38	1120 lm
8	15.8 W	0476	476	18.74	1280 lm
9	17.8 W	0536	536	21.10	1440 lm
10	19.8 W	0596	596	23.46	1600 lm
11	21.8 W	0656	656	25.83	1760 lm
12	23.8 W	0716	716	28.19	1920 lm
13	25.7 W	0776	776	30.55	2080 lm
14	27.7 W	0836	836	32.91	2240 lm
15	29.7 W	0896	896	35.28	2400 lm
16	31.7 W	0956	956	37.64	2560 lm
17	33.7 W	1016	1016	40.00	2720 lm
18	35.6 W	1076	1076	42.36	2880 lm

¹ Information in the chart above is related to 3000K, CRI 95 LED. * For driver information, please see pages 24-25.

Complete Length List

Cobra Linealuce Pixel Controlled | GV49



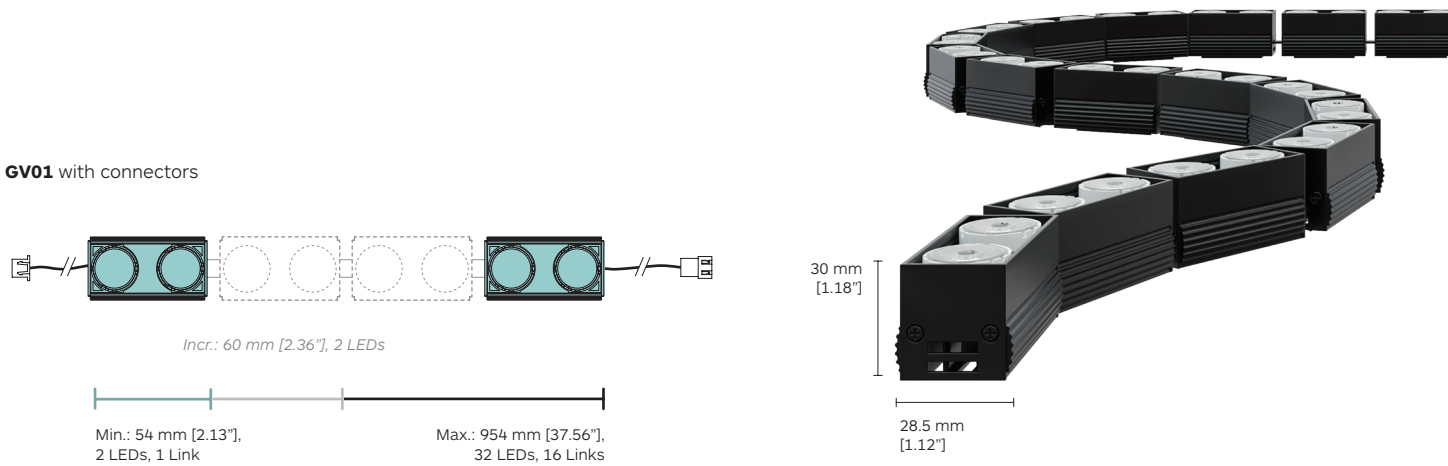
Available length codes ¹

No. of LEDs	LED Power	Length Code	Length in mm	Length in inches	Nominal Lumen
4	4.8 W	0120	120	4.72	400 lm
8	9.6 W	0240	240	9.45	800 lm
12	14.4 W	0360	360	14.17	1200 lm
16	19.2 W	0480	480	18.90	1600 lm
20	24 W	0600	600	23.62	2000 lm
24	28.8 W	0720	720	28.35	2400 lm
28	33.6 W	0840	840	33.07	2800 lm
32	38.4 W	0960	960	37.80	3200 lm
36	43.2 W	1080	1080	42.52	3600 lm

¹ Information in the chart above is related to 3000K, CRI 95 LED. * For driver information, please see pages 24-25.

Complete Length List

Cobra Flex Pixel Controlled | GV01



Available length codes ¹

No. of Links	LED Power	Length Code	Length in mm	Length in inches	Nominal Lumen
1	2.4 W	0054	54	2.12	200 lm
2	4.8 W	0114	114	4.48	400 lm
3	7.2 W	0174	174	6.85	600 lm
4	9.6 W	0234	234	9.21	800 lm
5	12.0 W	0294	294	11.57	1000 lm
6	14.4 W	0354	354	13.93	1200 lm
7	16.8 W	0414	414	16.29	1400 lm
8	19.2 W	0474	474	18.66	1600 lm
9	21.6 W	0534	534	21.02	1800 lm
10	24 W	0594	594	23.38	2000 lm
11	26.4 W	0654	654	25.74	2200 lm
12	28.8 W	0714	714	28.11	2400 lm
13	31.2 W	0774	774	30.47	2600 lm
14	33.6 W	0834	834	32.83	2800 lm
15	36.0 W	0894	894	35.19	3000 lm
16	38.4 W	0954	954	37.55	3200 lm

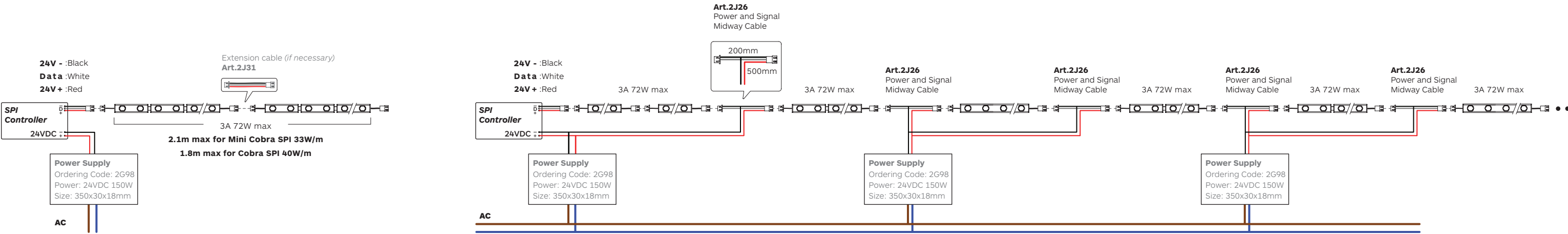
¹ Information in the chart above is related to 3000K, CRI 95 LED. * For driver information, please see pages 24-25.

Power Supply Driver Options

Wiring Instruction

Mini Cobra & Cobra Series

SPI Controller can control lamps up to 15 meters 256 links



Power Supply & Controller



Power Supply

240W 24V Constant Voltage LED Driver



Power Supply

150W 24V Constant Voltage LED Driver



Power Supply

75W 24V Constant Voltage LED Driver



DMX-SPI-203 LED Controller



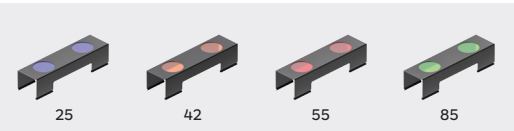
ArtNet-SPI-1 Converter



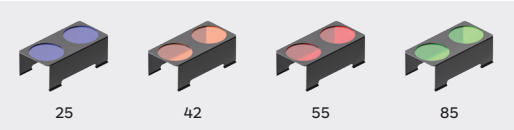
CASAMBI SPI Controller

Code	2G99	2G98	2H45	2J23	2J24	2J25
Size	400 x 40 x 22 mm [15.75" x 1.57" x 0.87"]	350 x 30 x 18 mm [13.78" x 1.18" x 0.71"]	315 x 31 x 21 mm [12.40" x 1.22" x 0.83"]	175 x 44 x 30 mm [6.89" x 1.73" x 1.18"]	120 x 73 x 45 mm [4.72" x 2.87" x 1.77"]	100 x 47 x 22.5 mm [3.94" x 1.85" x 0.89"]
	40 mm [1.57"] 400 mm [15.75"]	30 mm [1.18"] 350 mm [13.78"]	31 mm [1.22"] 315 mm [12.40"]	44 mm [1.73"] 175 mm [6.89"]	73 mm [2.87"] 120 mm [4.72"]	47 mm [1.85"] 100 mm [3.94"]
	22 mm [0.87"]	18 mm [0.71"]	21 mm [0.83"]	30 mm [1.18"]	45 mm [1.77"]	22.5 mm [0.89"]

Accessories

					
Product / Accessories	Coloured Filters	Honeycomb	Louvre	Snoot	Adjustable Bracket
	Filter colour codes: 25 / 42 / 55 / 85	Finish: 10	Finish: 10	Finish: 10	

Mini Cobra Linealuce			2J29	2J27	2H51
	2E41	2D97			
Mini Cobra Flex			2J30	2J28	/

				
Product / Accessories	Coloured Filters	Honeycomb	Louvre	Snoot
	Filter colour codes: 25 / 42 / 55 / 85	Finish: 10	Finish: 10	Finish: 10

Cobra Linealuce			/	2F74	
	2E40	2F76			2G96
Cobra Flex			2F75	/	

* Please refer to the user manuals for further details.

Symbols & Icons
Code system
Global presence

Symbols & Icons

CLASS III
Luminaires of isolation Class III - designed for operation of protected low voltage supply (>42V).



Degree of Ingress Protection



24V Constant Voltage LED Driver



Recyclable



Certification Icons

CE Mark - Product complies with CE Standard.



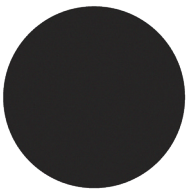
KC Mark - Product complies with Korean Standard.



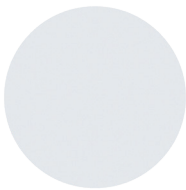
Other third party product approvals
Our products include electrical and electronic components that carry other worldwide Test House approvals such as those shown:



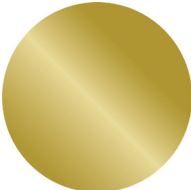
Body Color



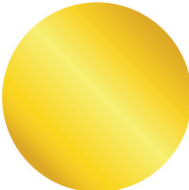
10 Black (RAL 9004)



11 White (RAL 9003)



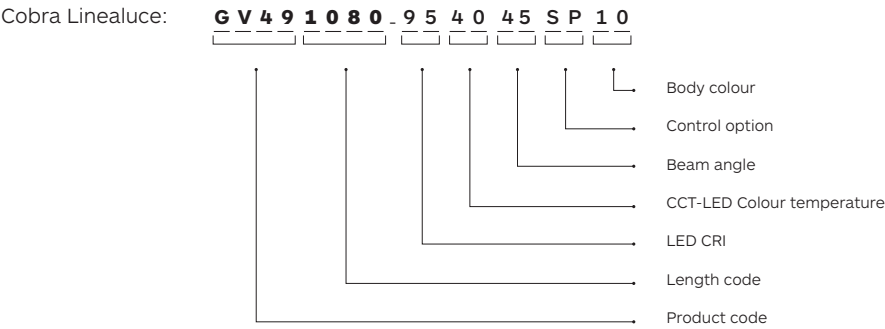
28 Brass Polished



35 Gold

Code system

Code ordering examples:

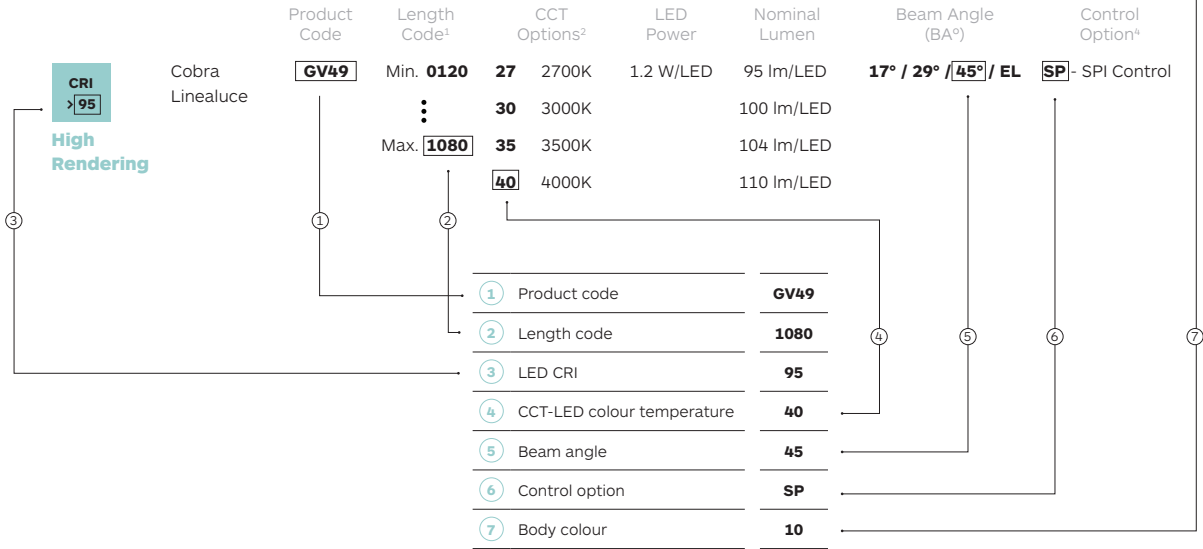


LED CRI	CCT-LED Colour temperature	Control option	Body Colour
95	27 Warm White 2700K	SP SPI Control	10 Black (RAL 9004)
	30 Warm White 3000K		11 White (RAL 9003)
	35 Warm White 3500K		28 Brass Polished
	40 Neutral White 4000K		35 Gold

How to order



- 10 Black
- 11 White
- 28 Brass Polished
- 35 Gold



Global presence

Celebrating over 50 years of vision, dedication and innovation, formalighting's versatile and high-quality product offerings extends internationally via our headquarters in Hong Kong, London, Milan and Shanghai. Our well chosen and selected partners as well as our affiliated international offices broaden our global presence further in markets such as USA, Australia, Japan, South East Asia, India and the Middle East.

Through our commitment to growth and investment within formalighting's professional team, infrastructure and product ranges, we are able to provide increasing service to our global retail and hospitality clients as well as lighting designers and specifiers strengthening our position as a leading international supplier of innovative architectural lighting solutions and systems.

With over 50 years' experience in designing and manufacturing architectural lighting, formalighting's comprehensive portfolio offers a competitive range of European designed and expertly engineered products that carry CB, CE, CCC and UL certifications.

Furthermore formalighting's latest award-winning motorized range of track, pendant, and recessed fixtures, featuring remote-controlled adjustable pan and tilt, dim, dim to warm, tuneable white and beam shaping lens, are available worldwide incorporating the latest, most advanced lighting technologies.

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Publication date: July 2026.
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