LUMAERA Diffuse

VEXICA
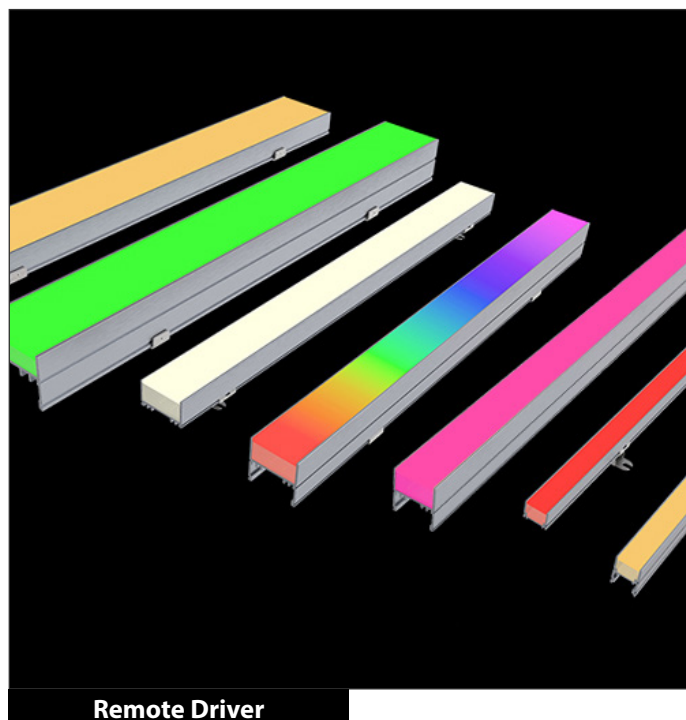
Resin Encapsulated Linear LED Luminaires with a Diffused
Opal Finish in a Choice of Static and Dynamic Colour Options
19mm, 37mm, 44mm & 77mm Widths | Outdoor & Indoor Use

LUMAERA-19-3000K, The Penninsula Hotel - London, W.1, UK

Remote Driver

MADE IN BRITAIN®

Features & Benefits

Continuous Linear Light
Flush and 'H' profile options allow for side or bottom entry cable management, and end-to-end mounting for a continuous linear effect.

Wide Range of LED Selections
Static White, Tunable White, RGB, RGB Dynamic, RGBW & RGBW Dynamic options are available at CRI 80, 90 & 95 CRI. For availability per model, please see P5.

Resin Encapsulation Technology
Luminaires encapsulated in polyurethane resin to ensure environmental robustness and longevity.

Linear Homogeneous Ouput
Diffused opal finish for homogeneous appearance.

Choose Your Length
Available in a wide range of lengths (105mm - 1505mm) with one driver powering up to 9.6m (6W/m only).

Customisable
Speak to your Vexica representative about any specific requests you have for your project.

Compliance
UKCA, CE, IP67

5-Year Warranty
Standard 5-year warranty, L90 (Static White) @ ~50,000 hours.

LUMAERA Diffuse

LIGHT OUTPUT INFORMATION

Efficacy (lm/W)

Fixture Type	Power Output	Static White				Tunable White[1]		
		2700K	3000K	3500K	4000K	2700K	5000K	Mid-Point
Lumaera 19	6 W/m	52	55	55	57	-	-	-
	10 W/m	52	55	55	57	-	-	-
	15 W/m	52	55	55	57	52	57	55
Lumaera 37	24 W/m	57	59	59	62	57	62	59
Lumaera 44	24 W/m	57	59	59	62	57	62	59
Lumaera 77	50 W/m	61	63	63	65	61	65	63

Fixture Type	Power Output	RGB[2] & RGB Dynamic[4]				RGBW[3]				RGBW Dynamic[4]				
		Max (All)	Red	Green	Blue	Red	Green	Blue	3000K	Max (All)	Red	Green	Blue	3000K
Lumaera 19	6 W/m	-	-	-	-	-	-	-	-	-	-	-	-	-
	10 W/m	-	-	-	-	-	-	-	-	-	-	-	-	-
	15 W/m	22	12	35	7	-	-	-	-	-	-	-	-	-
Lumaera 37	24 W/m	30	32	58	12	32	58	12	59	-	-	-	-	-
Lumaera 44	24 W/m	30	32	58	12	32	58	12	59	-	-	-	-	-
Lumaera 77	50 W/m	36	32	58	12	32	58	12	63	35	14	59	13	53

The values above are specified at CRI = 80

For CRI = 90 reduce by 10%; for CRI = 95 reduce by 20%

If the data that you require is missing, please contact your Vexica representative

[1] Tunable White consists of 2 channels each rated at 7.5W/m. Lumen values for 2700K & 5000K are taken with the respective channel at 100%. The 'Max' value is taken with both channels at 100% and the combined total output being 15W/m.

[2] RGB consists of 3 channels (Red, Green & Blue), each capable of outputting 5W/m. The 'Max (White)' value is taken when all channels are at 100% and the fixture is drawing the maximum total luminaire output of 15W/m.

[3] RGBW consists of 4 channels each capable of 25% of the maximum total luminaire power output.

[4] Must be used in conjunction with Vexica HybridDrive6 driver plus PSU. Max cable length from driver to first fitting is 1m, any extensions will require additional equipment. Contact your Vexica rep for details.

Vexica run regular development cycles, continuously optimising and balancing product specifications to best suit our customers. All information therefore, is intended as a guide and specifications may change on occasion without notice or announcement. Technical data is measured under controlled conditions, expected performance is within +/- 10% of advertised figures. Luminaire output stated is actual value from the luminaire itself. Information provided above is intended as a description of the product and shall not be used in the form of any contract.

LIGHT OUTPUT INFORMATION

Luminaire Lumen Output (lm/m)

Fixture Type	Power Output	Static White				Tunable White[1]		
		2700K	3000K	3500K	4000K	2700K	5000K	Mid-Point
Lumaera 19	6 W/m	312	330	330	342	-	-	-
	10 W/m	520	550	550	570	-	-	-
	15 W/m	780	825	825	855	390	428	825
Lumaera 37	24 W/m	1368	1416	1416	1488	684	744	1416
Lumaera 44	24 W/m	1368	1416	1416	1488	684	744	1416
Lumaera 77	50 W/m	3050	3150	3150	3250	1525	1625	3150

Fixture Type	Power Output	RGB[2] & RGB Dynamic[4]				RGBW[3]				RGBW Dynamic[4]				
		Max (All)	Red	Green	Blue	Red	Green	Blue	3000K	Max (All)	Red	Green	Blue	3000K
Lumaera 19	6 W/m	-	-	-	-	-	-	-	-	-	-	-	-	-
	10 W/m	-	-	-	-	-	-	-	-	-	-	-	-	-
	15 W/m	330	60	175	35	-	-	-	-	-	-	-	-	-
Lumaera 37	24 W/m	720	256	464	96	192	348	72	354	-	-	-	-	-
Lumaera 44	24 W/m	720	256	464	96	192	348	72	354	-	-	-	-	-
Lumaera 77	50 W/m	1800	533	967	200	400	725	150	788	1750	175	738	163	663

The values above are specified at CRI = 80

For CRI = 90 reduce by 10%; for CRI = 95 reduce by 20%

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[1] Tunable White consists of 2 channels each rated at 7.5W/m. Lumen values for 2700K & 5000K are taken with the respective channel at 100%. The 'Max' value is taken with both channels at 100% and the combined total output being 15W/m.

[2] RGB consists of 3 channels (Red, Green & Blue), each capable of outputting 5W/m. The 'Max (White)' value is taken when all channels are at 100% and the fixture is drawing the maximum total luminaire output of 15W/m.

[3] RGBW consists of 4 channels each capable of 25% of the maximum total luminaire power output.

[4] Must be used in conjunction with Vexica HybridDrive6 driver plus PSU. Max cable length from driver to first fitting is 1m, any extensions will require additional equipment. Contact your Vexica rep for details.

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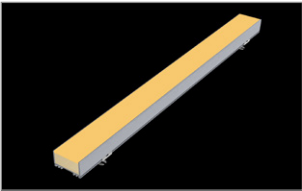
ELECTRICAL INFORMATION

Power Options	6W/m, 10W/m (Lumaera 19 - Static White Only)
	15W/m (Lumaera 19 - All Options)
	24W/m (Lumaera 37 & 44 - All Options)
	50W/m (Lumaera 77 - All Options)
Input Voltage	24 VDC (23V Min, 25V Max)
Dimmable	Yes
Connection Type	JST JWPF IP67 (Lumaera 19 - All options, Lumaera 37, 44 &77 - RGBW Only)
	SSL 1.2 IP68 (Lumaera 37, 44 & 77 – All options except RGBW)
LED Binning	3 SDCM (White Only)
Maximum Chain Length	4.8m (Lumaera 19) - 6W/m Version can run to 9.6m
	5.0m (Lumaera 37 & 44)
	3.0m (Lumaera 77)

PHYSICAL & ENVIRONMENTAL INFORMATION

Housing Colour

Anodised Aluminium   Contact Us for Special Projects

Finish	**Extrusion**	Silver Anodised Aluminium
	Resin	Opal Polyurethane
Ambient Operating Temperature	-10°C to +50°C	
Ambient Storage Temperature	-30°C to +85°C	
IP Rating	IP67	
IK Rating	IK05	

Weight (per Linear Meter)	Lumaera 19	Lumaera 37	Lumaera 44	Lumaera 77
Flat Profile	0.46kg	-	1.46kg	2.92kg
'H' Profile	0.58kg	1.52kg	1.69kg	3.44kg

LED CCT/COLOUR OPTIONS
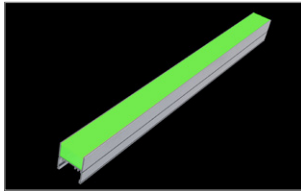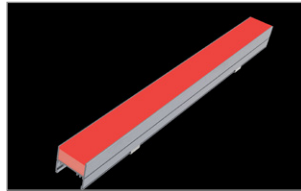
STATIC WHITE
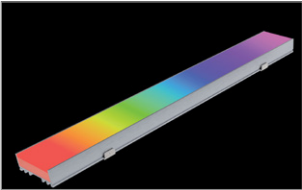2700K, 3000K, 3500K, 4000K

TUNABLE WHITE[a]
2700K to 5000K

TUNABLE COLOUR[b]
RGB LED Colour Mixing

TUNABLE COLOUR + 3000K[d]
RGBW LED Colour Mixing
(NOT Available for Lumaera 19)

DYNAMIC COLOUR[c]
RGB LED Dynamic Pixels

Product	Pixel Pitch (mm)	Pixel Density (px/m)
Lumaera 19	100	10
Lumaera 37	50	20
Lumaera 37	50	20

DYNAMIC COLOUR[c]
RGBW LED Dynamic Pixels

Product	Pixel Pitch (mm)	Pixel Density (px/m)
Lumaera 77	33.33	30

LENGTH (L) OPTIONS

Product	Minimum Length (mm)	Maximum Length (mm)	Length Increments (mm)	Length Options (mm)
Lumaera 19	105	1505	100	105, 205, 305, 405, 505, 605, 705, 805, 905, 1005, 1105, 1205, 1305, 1405, 1505
Lumaera 37 & 44	105	1505	100	105, 205, 305, 405, 505, 605, 705, 805, 905, 1005, 1105, 1205, 1305, 1405, 1505
Lumaera 77	305	1505	300	305, 605, 905, 1205, 1505

MOUNTING OPTIONS

Lumaera 19

ADJUSTABLE BRACKET
Adjustable Angle,
Rear Attachment

ORDER CODE: 018705

FLUSH CLIP
Fixed Angle,
Rear Attachment

ORDER CODE: 008189

Lumaera 37

EXTENDED BRACKET
Fixed Angle,
Rear Attachment

ORDER CODE: 023667

Lumaera 44

ADJUSTABLE BRACKET
Adjustable Angle,
Rear Attachment

ORDER CODE: 018708

FLUSH CLIP
Fixed Angle,
Rear Attachment

ORDER CODE: 008984

Lumaera 77

ADJUSTABLE BRACKET
Adjustable Angle,
Rear Attachment

ORDER CODE: 018814

FLUSH CLIP
Fixed Angle,
Rear Attachment

ORDER CODE: 010831

[a] Tunable White consists of 2 channels each capable of 50% at the maximum luminaire power rating. When both channels are AT 100%, the maximum power output of the luminaire will be achieved.

[b] Each colour channel represents 1/3 of the maximum luminaire power output. When all channels are at 100% the luminaire maximum output will be achieved.

[c] Must be used in conjunction with a Vexica HybridDrive6 driver and PSU. Max cable length from driver to first fitting is 1m, any extensions will require additional equipment. Contact your Vexica rep for details.

[d] RGBW control is split across 4 channels, with each capable of 25% of the luminaire maximum power rating. When all 4 channels are at 100% the luminaire maximum output will be achieved.
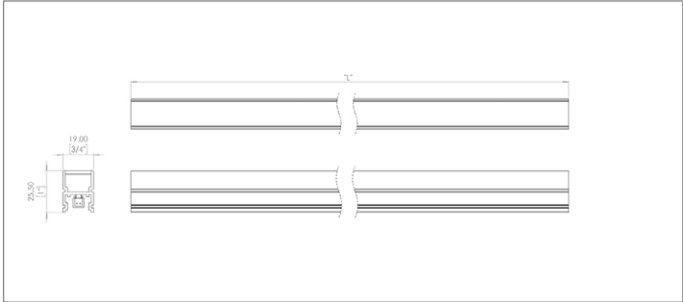
LUMAERA Diffuse

PRODUCT DIMENSIONS

Lumaera 19

Flat Profile
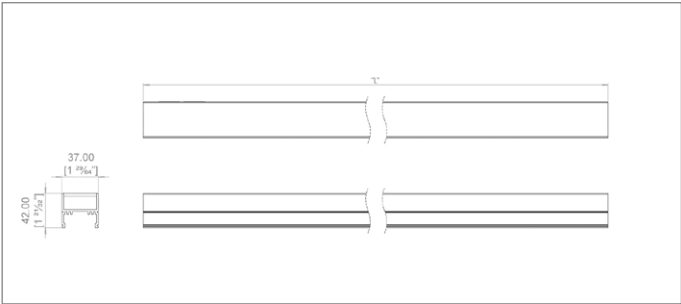Side Cable Entry
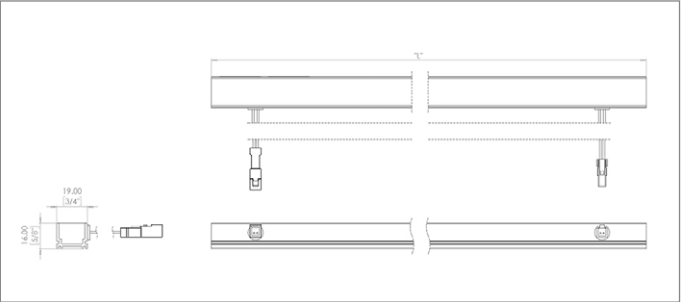
'H' Profile
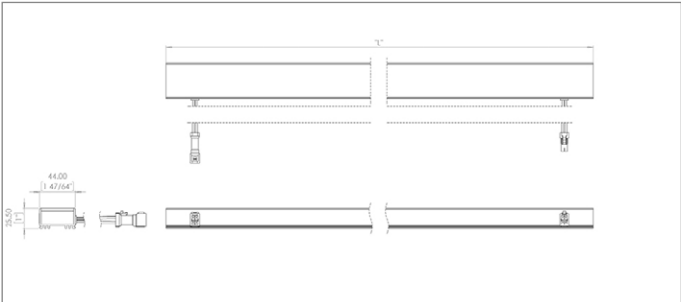Rear Cable Entry

Lumaera 37
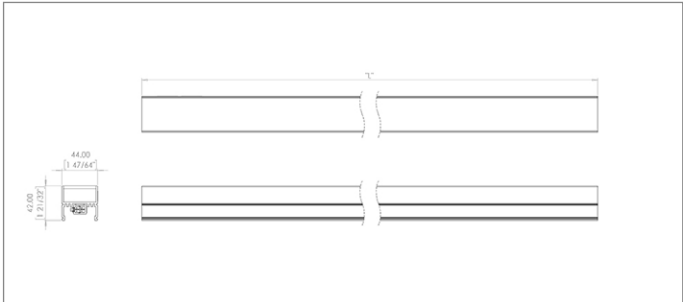
'H' Profile [ONLY]
Rear Cable Entry

Lumaera 44

Flat Profile
Side Cable Entry

'H' Profile
Rear Cable Entry

Lumaera 77

Flat Profile
Side Cable Entry

'H' Profile
Rear Cable Entry

LUMAERA Diffuse
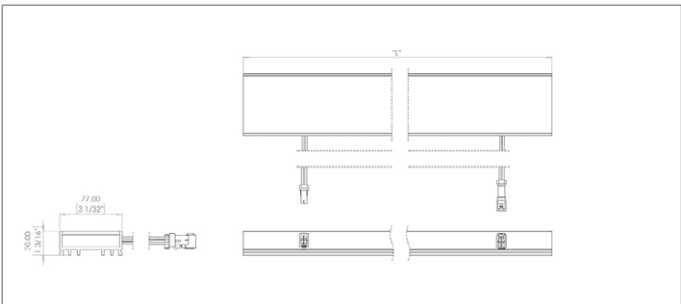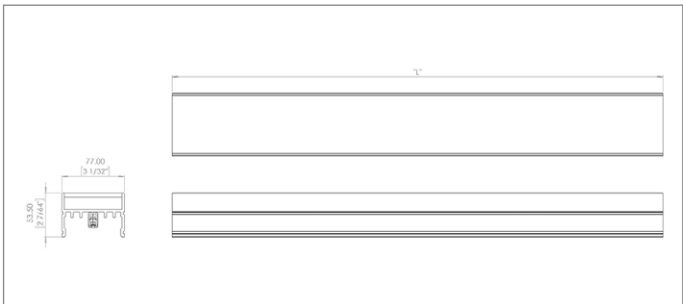
PRODUCT CODE GENERATOR

Project Name

1) FIXTURE & OUTPUT TYPE

PRODUCT	WIDTH		PROFILE		CCT/LED Colour	
VEX-LUMAERA						
Lumaera Linear LED Exterior Luminaire.	**19**	19mm	**-**	Flat Profile (Side Cable Entry) [NOT Lumaera 37]	**2700K**	2700K
	37	37mm			**3000K**	3000K
	44	44mm	**H**	H Profile (Rear Cable Entry)	**3500K**	3500K
	77	77mm			**4000K**	4000K
					TW	Tunable White (2700K to 5000K)
					RGB	RGB
					RGB-DYN	RGB Dynamic [NOT Lumaera 77]
					RGBW	Tunable RGBW (3000K) [NOT Lumaera 19]
					RGBW-DYN	RGBW Dynamic (3000K) [Lumaera 77 ONLY]

2) LUMINAIRE LENGTH (Select For Chosen Width & Optic)

LENGTH

LUMAERA 19, 37 & 44		LUMAERA 77	
105	105mm	**305**	305mm
205	204mm	**605**	605mm
305	305mm	**905**	905mm
405	405mm	**1205**	1205mm
505	505mm	**1505**	1505mm
605	605mm		
705	705mm		
805	805mm		
905	905mm		
1005	1005mm		
1105	1105mm		
1205	1205mm		
1305	1305mm		
1405	1405mm		
1505	1505mm		

3) FIXTURE POWER & IP RATING

POWER OPTION		IP RATING		BEAM ANGLE	
		IP67		**DIF**	
6W	6W/m (Lumaera 19 - Static White Only)	**IP67**	Water & Dust Proof Suitable for outdoor use	**DIF**	Diffused Opal Finish with Homogeneous Ouput
10W	10W/m (Lumaera 19 - Static White Only)				
15W	15W/m (Lumaera 19 - All Options)				
24W	24W/m (Lumaera 37 & 44 - All Options)				
50W	50W/m (Lumaera 77 - All Options)				

PRODUCT CODE:

EXAMPLE: VEX - LUMAERA - 44 - H - 2700K - 1005 - 24W - IP67 - DIF

STANDARDS & CERTIFICATIONS

Compliance

Standard Marks

UK CA CE

Environmental Suitability

Sustainability Responsibly manufactured from materials that are free from 'Red List' chemicals

Recyclable Partially recyclable. Anodized aluminium parts are fully recyclable at end of life.

Reliability

Manufacturing All Vexica products are manufactured in our UK-based factory using components sourced from internationally recognised 'tier 1' suppliers

Quality Assurance Each product is designed and manufactured for reliability and each batch undergoes thorough quality assurance testing

Warranty & Terms

Terms & Conditions   **Warranty Registration**

For details on our warranty and business terms, please click or scan the QR Code.

Notes

VEXICA

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