



formalighting

Human Centric Lighting

High Performance Linear Lights



2020 | 21



Human Centric Lighting

Natural Spectrum LED



The Brain

The brain has immense capabilities, and runs every part of you. It perceives color, and controls the biological clock that maintains your bodily functions.

The development of SunLike began by focusing on the spectrum of light, which fulfills an important role for these mechanisms.



The Eye

Your eyes are sensors. Three types of photoreceptor cells on the retina detect the intensity of light on different wavelengths, and transmit this information as signals to the brain.

The brain then perceives this color and, at the same time, issues various instructions.

From this perspective, the idea of what it means for humanity to have light is now attracting attention all around the world.

SunLike is a human-centric, LED spectrum technology that will open the way to humanity's future.

SunLike offers a balance of the full spectrum from Violet to Red for a moderate NATURAL SPECTRAL DISTRIBUTION.

SunLike mimics the Sun in the sky while maintaining the suns rich color with 97CRI and high R9.

The reduction suppression of harmful blue also reduces glare on the subject beyond giving the occupants the overall feeling of a Natural Lighting.

SunLike, second to sunlight

Light and the biological clock

From the time we are born, a biological clock is running not only in our brains, but in each of the countless cells throughout our bodies. This clock naturally operates on a cycle of about 25 hours, but synchronizes with our 24-hour day as the morning light causes a daily correction. This is one way that light is used not only to view objects, but also to maintain our biological functions, and is an important component to sensitivity.



Rising sun



Midday



Setting sun

When a spectrum enters the eye, our photoreceptor cells measure the respective intensity of blue, green, and red light. The retina converts and transmits this data to the brain, where it is perceived as colors and luminosity. In other words, the brain interprets the results of calculations, and is not capable of recognizing spectra directly. This allows the brain to recognize the same colors in different spectra, such as natural light, artificial light, or images on a display.

Circadian Rhythm

In 2002, scientists discovered the existence of ipRGCs (intrinsically photosensitive retinal ganglion cells), which transmit the intensity of blue light, a major part of morning light.

We now know that these photoreceptor cells control the biological clock. This in turn suggests that spectra might affect the biological clock through ipRGCs. Research is showing us the effects on organisms of intensities in the blue portion of the spectrum that differ from those in natural light, even with light that we perceive as being the same color.

This research focuses on disruptions to the biological clock and the resulting degradations in sleep quality, as well as risks involving other illnesses.

Photoreceptor cells transmit light changes throughout the day to the brain and will impact the human perception



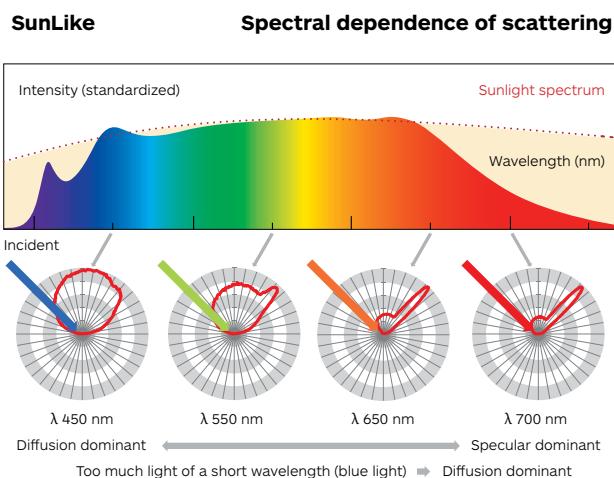


Recreating the Sunlight Spectrum

Faithful reproduction of natural colors, contrasts and three-dimensionality

Artists select colors and brush strokes to create depth and perspective when viewed under natural light, and viewing paintings under the same lighting with which the artist created them is one way to properly appreciate them. SunLike faithfully illuminates paintings as they would appear under sunlight in terms of color and contrast. We must also not forget texture, or three-dimensionality, when illuminating works of art, fashion, or interior design.

SunLike delivers a natural spectrum without excessive blue light, which is easily scattered, and therefore produces specular reflection from the surface of objects, imparting a greater sense of three-dimensionality and texture.



'Women walking on the beach' by Joaquin Sorolla. 1909.

Superb color rendering and expression of texture

Sometimes the color of clothing looks different outside than it did in the store. This happens because the spectrum of light in the store differs from that of natural light. Color rendering indicates the effect that a light source has on how the colors of objects are perceived, with 100 representing colors under natural light.

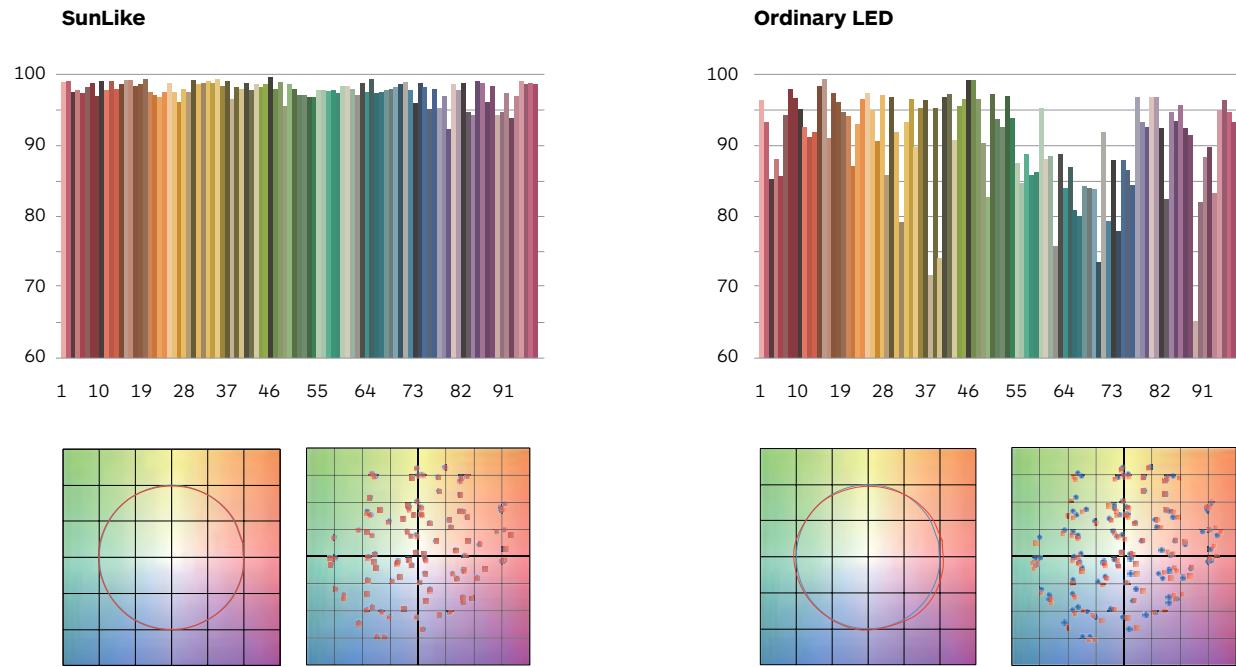
SunLike exhibits superior color rendering properties, with a value close to 100 when using not only the traditional CRI (Color Rendering Index) standard, but also the new TM-30 standard.

The technology expresses natural colors at events such as exhibitions of art and fashion shows.

TM-30

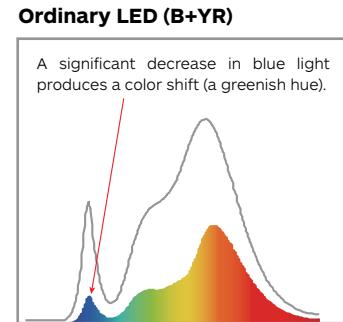
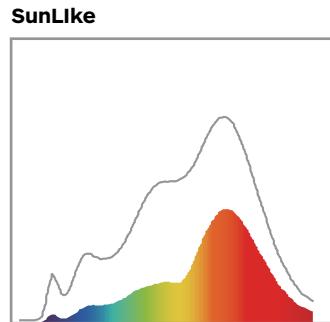
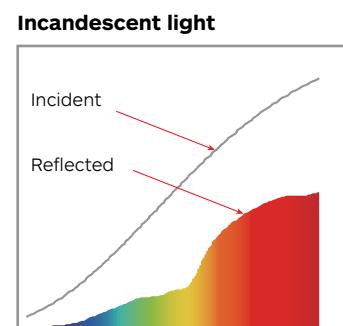
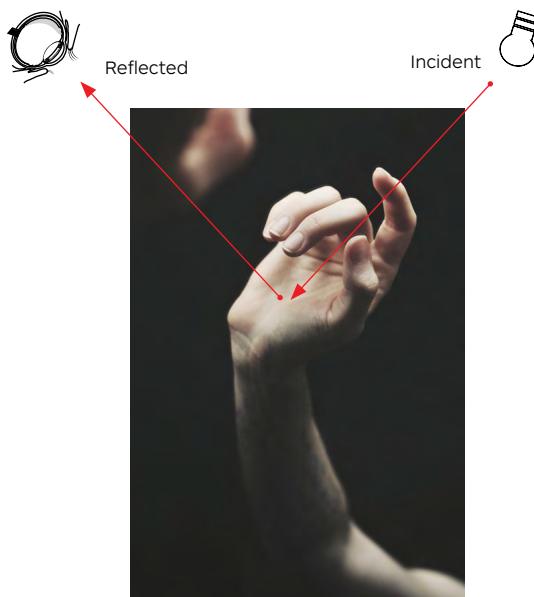


TM-30 is a method that evaluates light by using two properties: Rf, the fidelity of color reproduction; and Rg, the color gamut (vividness). Furthermore, a chromaticity diagram can be used to illustrate the relative shift of colors from 100, the standard value used for natural light.



SunLike has color rendering properties closer to 100, and is capable of reproducing colors in a manner comparable to that of the sun.

Spectrum difference between incidence & reflection





Excellent visibility, with little glare

Formalighting SunLike product range allows for superb color rendering and expression of texture. Art galleries, showrooms, shops, hotels, and restaurants are just some examples of places that are capable of maximizing this potential.

The light from SunLike produces natural scenes with depth in various spaces.

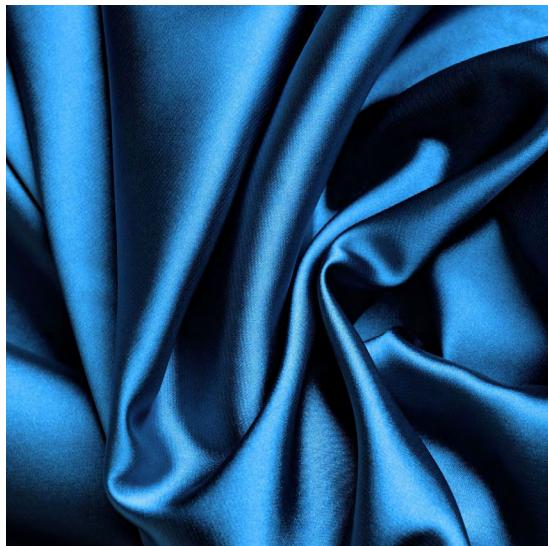
An ordinary LED light source transmits a strong beam of light from a blue LED, which scatters greatly due to its short wavelength and high energy. This scattering occurs not only on an illuminated object but within the eye itself, where it is easier to perceive shimmering and glare. Because SunLike does not contain a high-intensity blue light component, the technology provides light that offers excellent visibility with little glare.



With light that is exceedingly close to that of the sun, SunLike can illuminate human vitality. The technology allows for the accurate expression of the natural colors and textures inherent to the skin.



Because of SunLike's natural and smooth, continuous spectrum, the technology is capable of accurately revealing the deep luster of objects made of gold, and the accompanying feeling of luxury.



SunLike lighting clearly brings out colors ranging from faint to vivid. The beauty of the meticulous weaving of clothing items is depicted in every detail.



SunLike produces a balance of cool and warm light that replicates the natural solar spectrum. They're excellent for seedlings as well as houseplants, culinary herbs and other plants.



High Performance Linear Lights

Microline Series

Microline 5 x 5



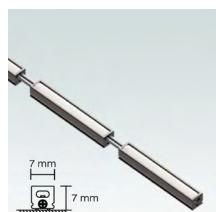
p. 08

Microline 7 x 7



p. 09

Microline 7 x 7
Chain



p. 10

Microline 7 x 7
Corner



p. 11

Microline 7 x 7
Corner Chain



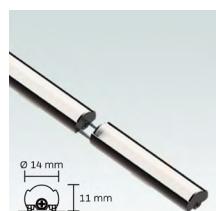
p. 12

Microline Ø14



p. 13-15

Microline Ø14
Chain



p. 16-17

Microline 14 x 14



p. 18

Microline 14 x 14
Corner



p. 19

Microline 14 x 14
Corner

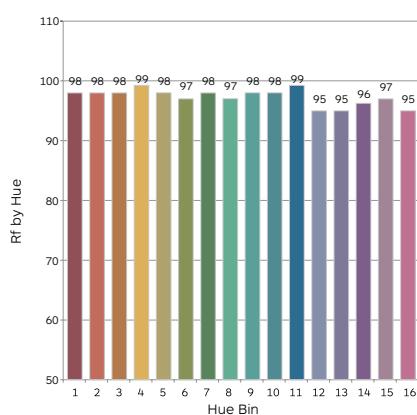


p. 20

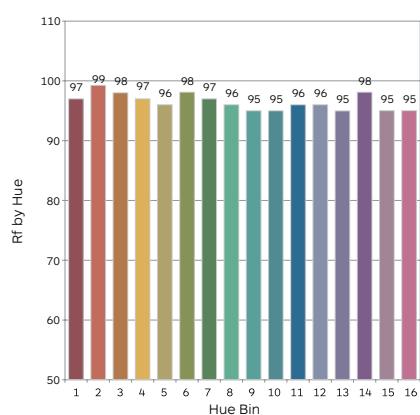
TM-30

SunLike has color rendering properties closer to 100, and is capable of reproducing colors in a manner comparable to that of the sun.

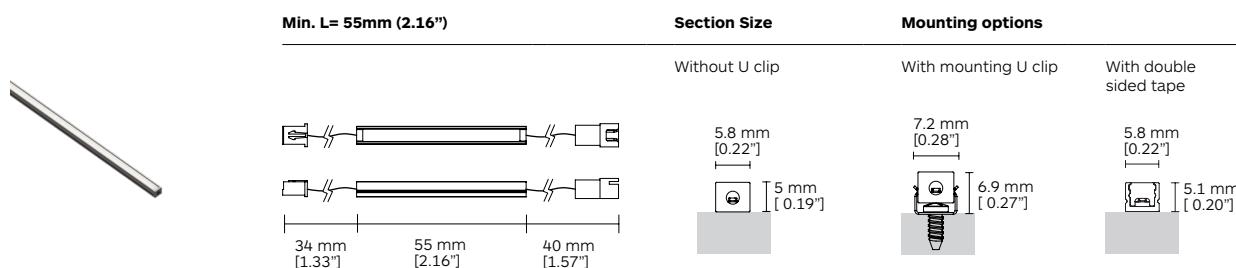
Here are the diagrams of formalighting's SunLike Linear lighting for 3000K and 4000K. We also have available the options 2700K and 3500K. Please contact us for more CCT information.



3000K | 4000K



Microline 5 x 5 | 16W/m | G466



Min. L= 55mm (2.16")

Section Size

Mounting options

Max. L= 1990mm (78.34")

Increment: 45mm (1.77")

Available length codes

LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen
0.72W	0055	55	2.16	78 lm	11.52W	0730	730	28.74	1037 lm	22.32W	1405	1405	55.31	1995 lm
1.44W	0100	100	3.93	142 lm	12.24W	0775	775	30.51	1100 lm	23.04W	1450	1450	57.08	2059 lm
2.16W	0145	145	5.70	206 lm	12.96W	0820	820	32.28	1164 lm	23.76W	1495	1495	58.85	2123 lm
2.88W	0190	190	7.48	270 lm	13.68W	0865	865	34.05	1228 lm	24.48W	1540	1540	60.62	2187 lm
3.60W	0235	235	9.25	334 lm	14.40W	0910	910	35.82	1292 lm	25.20W	1585	1585	62.40	2251 lm
4.32W	0280	280	11.02	398 lm	15.12W	0955	955	37.59	1356 lm	25.92W	1630	1630	64.17	2315 lm
5.04W	0325	325	12.79	461 lm	15.84W	1000	1000	39.37	1420 lm	26.64W	1675	1675	65.94	2378 lm
5.76W	0370	370	14.56	525 lm	16.56W	1045	1045	41.14	1484 lm	27.36W	1720	1720	67.71	2442 lm
6.48W	0415	415	16.33	589 lm	17.28W	1090	1090	42.91	1548 lm	28.08W	1765	1765	69.48	2506 lm
7.20W	0460	460	18.11	653 lm	18.00W	1135	1135	44.68	1612 lm	28.80W	1810	1810	71.25	2570 lm
7.92W	0505	505	19.88	717 lm	18.72W	1180	1180	46.45	1676 lm	29.52W	1855	1855	73.03	2634 lm
8.64W	0550	550	21.65	781 lm	19.44W	1225	1225	48.22	1739 lm	30.24W	1900	1900	74.80	2698 lm
9.36W	0595	595	23.42	845 lm	20.16W	1270	1270	50.00	1803 lm	30.96W	1945	1945	76.57	2762 lm
10.08W	0640	640	25.19	909 lm	20.88W	1315	1315	51.77	1867 lm	31.68W	1990	1990	78.34	2826 lm
10.80W	0685	685	26.96	973 lm	21.60W	1360	1360	53.54	1931 lm					

Code ordering example: **G 4 6 6 0 0 5 5 - 9 7 2 7 R D 0 0 1 0**

	Product code*	Length code***	Light Source	>CRI	CCT**	LED Power	Nominal Lumen	Diffuser	Driver Options	Finish
Microline 5 x 5 Min & Max. Length	G466	0055	LED	97	27 2700K	16W/m	1420 lm/m	RD	00 No Driver	10 ■ Black
		1990		30	3000K					70 ■ Aluminium
				35	3500K					
				40	4000K					

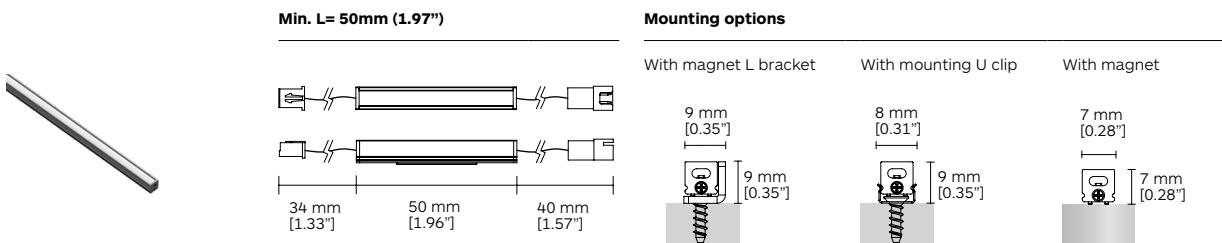
Notes:

* For complete code ordering information, please see page 27. For driver information please see page 21.

** For other CCT options, please contact us.

For the most updated product information, please go to our website.

Microline 7 x 7 | 19W/m | G447



Max. L= 2030mm (79.92")

Increment: 45mm (1.77")

Available length codes

LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen
0.86W	0050	50	1.97	85 lm	13.68W	0725	725	28.54	1228 lm	26.51W	1400	1400	55.12	2372 lm
1.71W	0095	95	3.74	161 lm	14.54W	0770	770	30.31	1304 lm	27.36W	1445	1445	56.89	2448 lm
2.57W	0140	140	5.51	237 lm	15.39W	0815	815	32.09	1381 lm	28.22W	1490	1490	58.66	2524 lm
3.42W	0185	185	7.28	313 lm	16.25W	0860	860	33.86	1457 lm	29.07W	1535	1535	60.43	2600 lm
4.28W	0230	230	9.06	390 lm	17.10W	0905	905	35.63	1533 lm	29.93W	1580	1580	62.20	2676 lm
5.13W	0275	275	10.83	466 lm	17.96W	0950	950	37.40	1609 lm	30.78W	1625	1625	63.98	2753 lm
5.99W	0320	320	12.60	542 lm	18.81W	0995	995	39.17	1685 lm	31.64W	1670	1670	65.75	2829 lm
6.84W	0365	365	14.37	618 lm	19.67W	1040	1040	40.94	1762 lm	32.49W	1715	1715	67.52	2905 lm
7.70W	0410	410	16.14	694 lm	20.52W	1085	1085	42.72	1838 lm	33.35W	1760	1760	69.29	2981 lm
8.55W	0455	455	17.91	771 lm	21.38W	1130	1130	44.49	1914 lm	34.20W	1805	1805	71.06	3058 lm
9.41W	0500	500	19.69	847 lm	22.23W	1175	1175	46.26	1990 lm	35.06W	1850	1850	72.83	3134 lm
10.26W	0545	545	21.46	923 lm	23.09W	1220	1220	48.03	2067 lm	35.91W	1895	1895	74.61	3210 lm
11.12W	0590	590	23.23	999 lm	23.94W	1265	1265	49.80	2143 lm	36.77W	1940	1940	76.38	3286 lm
11.97W	0635	635	25.00	1076 lm	24.80W	1310	1310	51.57	2219 lm	37.62W	1985	1985	78.15	3362 lm
12.93W	0680	680	26.77	1152 lm	25.65W	1355	1355	53.35	2295 lm	38.48W	2030	2030	79.92	3439 lm

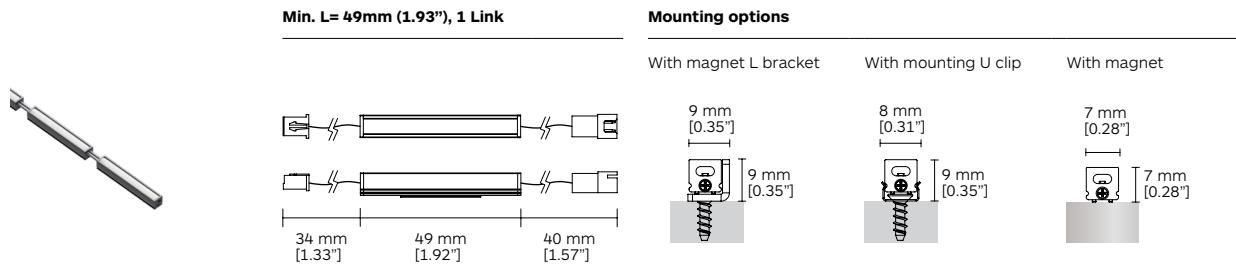
Code ordering example: **G 4 4 7 0 0 5 0 - 9 7 2 7 O D 0 0 1 0**

	Product code*	Length code***	Light Source	>CRI	CCT**	LED Power	Nominal Lumen	Diffuser	Driver Options	Finish
Microline 7 x 7	G447	0050	LED	97	27 2700K	19W/m	1694 lm/m	OD	00 No Driver	10 ■ Black
Min & Max. Length		2030			30 3000K			TD		70 ■ Aluminium
					35 3500K			RD		
					40 4000K					

Notes:

- * For complete code ordering information, please see page 27. For driver information please see page 21.
- ** For other CCT options, please contact us.
- For the most updated product information, please go to our website.

Microline 7 x 7 Chain | 0.86W/Link | G442



Available length codes

No. of Links	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	No. of Links	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen
1	0.86W	0049	49	1.93	77 lm	24	20.52W	1406	1406	55.35	1848 lm
2	1.71W	0108	108	4.25	154 lm	25	21.38W	1465	1465	57.68	1925 lm
3	2.57W	0167	167	6.57	231 lm	26	22.23W	1524	1524	60.00	2002 lm
4	3.42W	0226	226	8.90	308 lm	27	23.09W	1583	1583	62.32	2079 lm
5	4.28W	0285	285	11.22	385 lm	28	23.94W	1642	1642	64.65	2156 lm
6	5.13W	0344	344	13.54	462 lm	29	24.80W	1701	1701	66.97	2233 lm
7	5.99W	0403	403	15.87	539 lm	30	25.65W	1760	1760	69.29	2310 lm
8	6.84W	0462	462	18.19	616 lm	31	26.51W	1819	1819	71.61	2387 lm
9	7.70W	0521	521	20.51	693 lm	32	27.36W	1878	1878	73.94	2464 lm
10	8.55W	0580	580	22.83	770 lm	33	28.22W	1937	1937	76.26	2541 lm
11	9.41W	0639	639	25.16	847 lm	34	29.07W	1996	1996	78.58	2618 lm
12	10.26W	0698	698	27.48	924 lm	35	29.93W	2055	2055	80.91	2695 lm
13	11.12W	0757	757	29.80	1001 lm	36	30.78W	2114	2114	83.23	2772 lm
14	11.97W	0816	816	32.13	1078 lm	37	31.64W	2173	2173	85.55	2849 lm
15	12.83W	0875	875	34.45	1155 lm	38	32.49W	2232	2232	87.87	2926 lm
16	13.68W	0934	934	36.77	1232 lm	39	33.35W	2291	2291	90.20	3003 lm
17	14.54W	0993	993	39.09	1309 lm	40	34.20W	2350	2350	92.52	3080 lm
18	15.39W	1052	1052	41.42	1386 lm	41	35.06W	2409	2409	94.84	3157 lm
19	16.25W	1111	1111	43.74	1463 lm	42	35.91W	2468	2468	97.17	3234 lm
20	17.10W	1170	1170	46.06	1540 lm	43	36.77W	2527	2527	99.49	3311 lm
21	17.96W	1229	1229	48.39	1617 lm	44	37.62W	2586	2586	101.81	3388 lm
22	18.81W	1288	1288	50.71	1694 lm	45	38.48W	2645	2645	104.13	3465 lm
23	19.67W	1347	1347	53.03	1771 lm						

Code ordering example: **G 4 4 2 0 0 4 9 - 9 7 2 7 O D 0 0 1 0**

Product code*	Length code***	Light Source	>CRI	CCT**	LED Power	Nominal Lumen	Diffuser	Driver Options	Finish
Microline 7 x 7 Chain Min & Max. Length	G442	0049	LED	97	27 2700K	0.86W/Link	77 lm/Link	OD	00 No Driver
		2645		30	3000K			TD	70 ■ Aluminium
				35	3500K			RD	
				40	4000K				

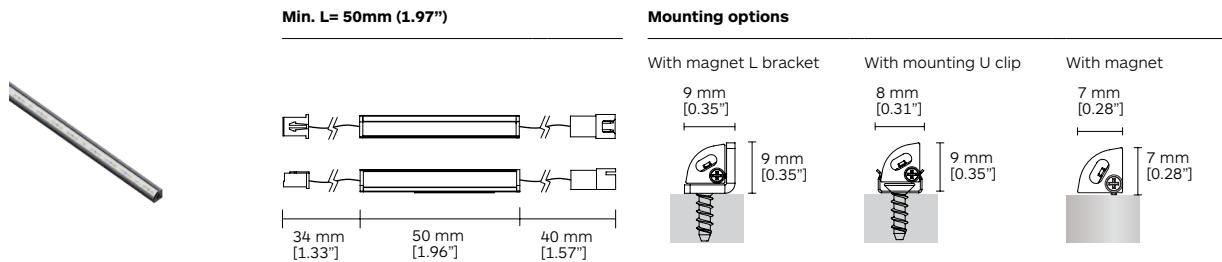
Notes:

* For complete code ordering information, please see page 27. For driver information please see page 21.

** For other CCT options, please contact us.

For the most updated product information, please go to our website.

Microline 7 x 7 Corner | 19W/m | G446



Max. L= 2030mm (79.92")

Increment: 45mm (1.77")

Available length codes

LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen
0.86W	0050	50	1.97	85 lm	13.68W	0725	725	28.54	1228 lm	26.51W	1400	1400	55.12	2372 lm
1.71W	0095	95	3.74	161 lm	14.54W	0770	770	30.31	1304 lm	27.36W	1445	1445	56.89	2448 lm
2.57W	0140	140	5.51	237 lm	15.39W	0815	815	32.09	1381 lm	28.22W	1490	1490	58.66	2524 lm
3.42W	0185	185	7.28	313 lm	16.25W	0860	860	33.86	1457 lm	29.07W	1535	1535	60.43	2600 lm
4.28W	0230	230	9.06	390 lm	17.10W	0905	905	35.63	1533 lm	29.93W	1580	1580	62.20	2676 lm
5.13W	0275	275	10.83	466 lm	17.96W	0950	950	37.40	1609 lm	30.78W	1625	1625	63.98	2753 lm
5.99W	0320	320	12.60	542 lm	18.81W	0995	995	39.17	1685 lm	31.64W	1670	1670	65.75	2829 lm
6.84W	0365	365	14.37	618 lm	19.67W	1040	1040	40.94	1762 lm	32.49W	1715	1715	67.52	2905 lm
7.70W	0410	410	16.14	694 lm	20.52W	1085	1085	42.72	1838 lm	33.35W	1760	1760	69.29	2981 lm
8.55W	0455	455	17.91	771 lm	21.38W	1130	1130	44.49	1914 lm	34.20W	1805	1805	71.06	3058 lm
9.41W	0500	500	19.69	847 lm	22.23W	1175	1175	46.26	1990 lm	35.06W	1850	1850	72.83	3134 lm
10.26W	0545	545	21.46	923 lm	23.09W	1220	1220	48.03	2067 lm	35.91W	1895	1895	74.61	3210 lm
11.12W	0590	590	23.23	999 lm	23.94W	1265	1265	49.80	2143 lm	36.77W	1940	1940	76.38	3286 lm
11.97W	0635	635	25.00	1076 lm	24.80W	1310	1310	51.57	2219 lm	37.62W	1985	1985	78.15	3363 lm
12.93W	0680	680	26.77	1152 lm	25.65W	1355	1355	53.35	2295 lm	38.48W	2030	2030	79.92	3439 lm

Code ordering example: **G 4 4 6 0 0 5 0 - 9 7 2 7 O D 0 0 1 0**

	Product code*	Length code***	Light Source	>CRI	CCT**	LED Power	Nominal Lumen	Diffuser	Driver Options	Finish
Microline 7 x 7 Corner Min & Max. Length	G446	0050	LED	97	27 2700K	19W/m	1694 lm/m	OD	00 No Driver	10 ■ Black
		2030			30 3000K			TD		70 ■ Aluminium
					35 3500K					
					40 4000K					

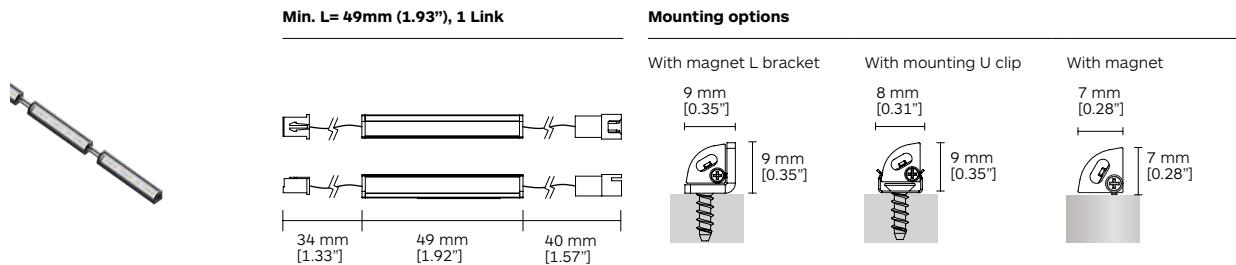
Notes:

* For complete code ordering information, please see page 27. For driver information please see page 22.

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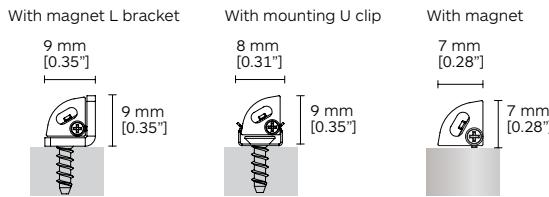
For the most updated product information, please go to our website.

Microline 7 x 7 Corner Chain | 0.86W/Link | G431



Min. L= 49mm (1.93"), 1 Link

Mounting options



Min. L= 49mm (1.93"), 1 Link

Max. L= 2645mm (104.13"), 45 Links

Increment: 59mm (2.32"), 1 Link

Available length codes

No. of Links	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	No. of Links	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen
1	0.86W	0049	49	1.93	77 lm	24	20.52W	1406	1406	55.35	1848 lm
2	1.71W	0108	108	4.25	154 lm	25	21.38W	1465	1465	57.68	1925 lm
3	2.57W	0167	167	6.57	231 lm	26	22.23W	1524	1524	60.00	2002 lm
4	3.42W	0226	226	8.90	308 lm	27	23.09W	1583	1583	62.32	2079 lm
5	4.28W	0285	285	11.22	385 lm	28	23.94W	1642	1642	64.65	2156 lm
6	5.13W	0344	344	13.54	462 lm	29	24.80W	1701	1701	66.97	2233 lm
7	5.99W	0403	403	15.87	539 lm	30	25.65W	1760	1760	69.29	2310 lm
8	6.84W	0462	462	18.19	616 lm	31	26.51W	1819	1819	71.61	2387 lm
9	7.70W	0521	521	20.51	693 lm	32	27.36W	1878	1878	73.94	2464 lm
10	8.55W	0580	580	22.83	770 lm	33	28.22W	1937	1937	76.26	2541 lm
11	9.41W	0639	639	25.16	847 lm	34	29.07W	1996	1996	78.58	2618 lm
12	10.26W	0698	698	27.48	924 lm	35	29.93W	2055	2055	80.91	2695 lm
13	11.12W	0757	757	29.80	1001 lm	36	30.78W	2114	2114	83.23	2772 lm
14	11.97W	0816	816	32.13	1078 lm	37	31.64W	2173	2173	85.55	2849 lm
15	12.83W	0875	875	34.45	1155 lm	38	32.49W	2232	2232	87.87	2926 lm
16	13.68W	0934	934	36.77	1232 lm	39	33.35W	2291	2291	90.20	3003 lm
17	14.54W	0993	993	39.09	1309 lm	40	34.20W	2350	2350	92.52	3080 lm
18	15.39W	1052	1052	41.42	1386 lm	41	35.06W	2409	2409	94.84	3157 lm
19	16.25W	1111	1111	43.74	1463 lm	42	35.91W	2468	2468	97.17	3234 lm
20	17.10W	1170	1170	46.06	1540 lm	43	36.77W	2527	2527	99.49	3311 lm
21	17.96W	1229	1229	48.39	1617 lm	44	37.62W	2586	2586	101.81	3388 lm
22	18.81W	1288	1288	50.71	1694 lm	45	38.48W	2645	2645	104.13	3465 lm
23	19.67W	1347	1347	53.03	1771 lm						

Code ordering example: **G 4 3 1 0 0 4 9 - 9 7 2 7 O D 0 0 1 0**

Product code*	Length code***	Light Source	>CRI	CCT**	LED Power	Nominal Lumen	Diffuser	Driver Options	Finish	
Microline 7 x 7 Corner Chain Min & Max. Length	G431	0049	LED	97	27 2700K	0.86W/Link	77 lm/Link	OD	00 No Driver	10 ■ Black
		2645		30 3000K				TD		70 ■ Aluminium
				35 3500K						
				40 4000K						

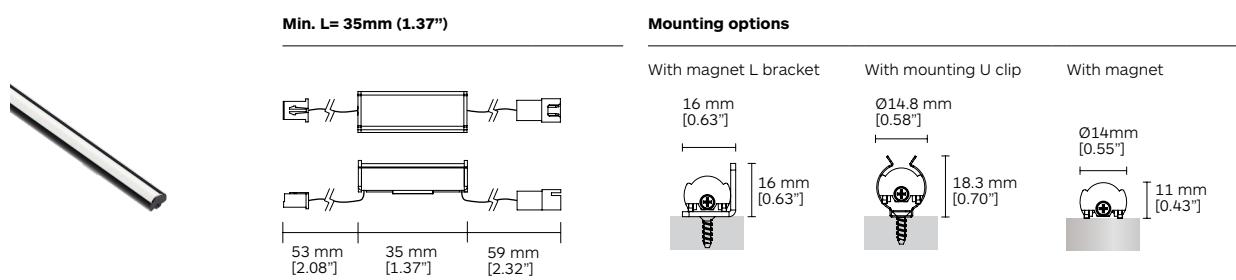
Notes:

* For complete code ordering information, please see page 27. For driver information please see page 22.

** For other CCT options, please contact us.

For the most updated product information, please go to our website.

Microline Ø14 | 16W/m | G445



Max. L= 2105mm (82.87")

Increment: 30mm (1.18")

Available length codes

LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen
0.48W	0035	35	1.37	45 lm	12.00W	0755	755	29.72	972 lm	23.52W	1475	1475	58.07	1898 lm
0.96W	0065	65	2.56	84 lm	12.48W	0785	785	30.91	1010 lm	24.00W	1505	1505	59.25	1937 lm
1.44W	0095	95	3.74	122 lm	12.96W	0815	815	32.09	1049 lm	24.48W	1535	1535	60.43	1976 lm
1.92W	0125	125	4.92	161 lm	13.44W	0845	845	33.27	1088 lm	24.96W	1565	1565	61.61	2014 lm
2.40W	0155	155	6.10	199 lm	13.92W	0875	875	34.45	1126 lm	25.44W	1595	1595	62.80	2053 lm
2.88W	0185	185	7.28	238 lm	14.40W	0905	905	35.63	1165 lm	25.92W	1625	1625	63.98	2091 lm
3.36W	0215	215	8.46	277 lm	14.88W	0935	935	36.81	1203 lm	26.40W	1655	1655	65.16	2130 lm
3.84W	0245	245	9.65	315 lm	15.36W	0965	965	37.99	1242 lm	26.88W	1685	1685	66.34	2169 lm
4.32W	0275	275	10.83	354 lm	15.84W	0995	995	39.17	1281 lm	27.36W	1715	1715	67.52	2207 lm
4.80W	0305	305	12.01	393 lm	16.32W	1025	1025	40.35	1319 lm	27.84W	1745	1745	68.70	2246 lm
5.28W	0335	335	13.19	431 lm	16.80W	1055	1055	41.54	1358 lm	28.32W	1775	1775	69.88	2284 lm
5.76W	0365	365	14.37	470 lm	17.28W	1085	1085	42.72	1396 lm	28.80W	1805	1805	71.06	2323 lm
6.24W	0395	395	15.55	508 lm	17.76W	1115	1115	43.90	1435 lm	29.28W	1835	1835	72.24	2362 lm
6.72W	0425	425	16.73	547 lm	18.24W	1145	1145	45.08	1474 lm	29.76W	1865	1865	73.43	2400 lm
7.20W	0455	455	17.91	586 lm	18.72W	1175	1175	46.26	1512 lm	30.24W	1895	1895	74.61	2439 lm
7.68W	0485	485	19.09	624 lm	19.20W	1205	1205	47.44	1551 lm	30.72W	1925	1925	75.79	2477 lm
8.16W	0515	515	20.28	663 lm	19.68W	1235	1235	48.62	1589 lm	31.20W	1955	1955	76.97	2516 lm
8.64W	0545	545	21.46	701 lm	20.16W	1265	1265	49.80	1628 lm	31.68W	1985	1985	78.15	2555 lm
9.12W	0575	575	22.64	740 lm	20.64W	1295	1295	50.98	1667 lm	32.16W	2015	2015	79.33	2593 lm
9.60W	0605	605	23.82	779 lm	21.12W	1325	1325	52.17	1705 lm	32.64W	2045	2045	80.51	2632 lm
10.08W	0635	635	25.00	817 lm	21.60W	1355	1355	53.35	1744 lm	33.12W	2075	2075	81.69	2671 lm
10.56W	0665	665	26.18	856 lm	22.08W	1385	1385	54.53	1782 lm	33.60W	2105	2105	82.87	2709 lm
11.04W	0695	695	27.36	894 lm	22.56W	1415	1415	55.71	1821 lm					
11.52W	0725	725	28.54	933 lm	23.04W	1445	1445	56.89	1860 lm					

Code ordering example: **G 4 4 5 0 9 9 5 . 9 7 2 7 O D 0 0 1 0**

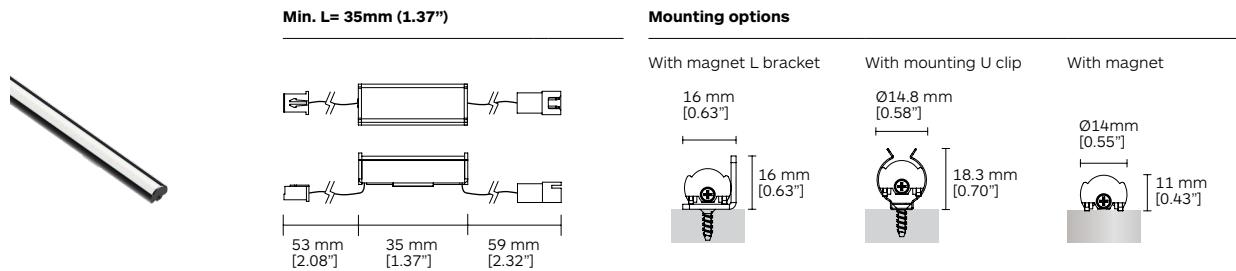
Product code*	Length code***	Light Source	>CRI	CCT**	LED Power	Nominal Lumen	Diffuser	Driver Options	Finish
Microline Ø14 16W/m	G445	0995	LED	97 27	2700K	16W/m	1287lm/m	OD	00 No Driver
				30	3000K			TD	70 ■ Aluminium
				35	3500K			RD	
				40	4000K				

Notes:

* For complete code ordering information, please see page 27. For driver information please see page 22.

** Tuneable White option on request. For the most updated product information, please go to our website.

Microline Ø14 | 20W/m | G420



Max. L= 2105mm (82.87")

Increment: 30mm (1.18")

Available length codes

LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen
0.60W	0035	35	1.37	63 lm	15.00W	0755	755	29.72	1370 lm	29.40W	1475	1475	58.07	2677 lm
1.20W	0065	65	2.56	118 lm	15.60W	0785	785	30.91	1425 lm	30.00W	1505	1505	59.25	2731 lm
1.80W	0095	95	3.74	172 lm	16.20W	0815	815	32.09	1479 lm	30.60W	1535	1535	60.43	2786 lm
2.40W	0125	125	4.92	227 lm	16.80W	0845	845	33.27	1534 lm	31.20W	1565	1565	61.61	2840 lm
3.00W	0155	155	6.10	281 lm	17.40W	0875	875	34.45	1588 lm	31.80W	1595	1595	62.80	2895 lm
3.60W	0185	185	7.28	336 lm	18.00W	0905	905	35.63	1642 lm	32.40W	1625	1625	63.98	2949 lm
4.20W	0215	215	8.46	390 lm	18.60W	0935	935	36.81	1697 lm	33.00W	1655	1655	65.16	3004 lm
4.80W	0245	245	9.65	445 lm	19.20W	0965	965	37.99	1751 lm	33.60W	1685	1685	66.34	3058 lm
5.40W	0275	275	10.83	499 lm	19.80W	0995	995	39.17	1806 lm	34.20W	1715	1715	67.52	3113 lm
6.00W	0305	305	12.01	553 lm	20.40W	1025	1025	40.35	1860 lm	34.80W	1745	1745	68.70	3167 lm
6.60W	0335	335	13.19	608 lm	21.00W	1055	1055	41.54	1915 lm	35.40W	1775	1775	69.88	3222 lm
7.20W	0365	365	14.37	662 lm	21.60W	1085	1085	42.72	1969 lm	36.00W	1805	1805	71.06	3276 lm
7.80W	0395	395	15.55	717 lm	22.20W	1115	1115	43.90	2024 lm	36.60W	1835	1835	72.24	3330 lm
8.40W	0425	425	16.73	771 lm	22.80W	1145	1145	45.08	2078 lm	37.20W	1865	1865	73.43	3385 lm
9.00W	0455	455	17.91	826 lm	23.40W	1175	1175	46.26	2133 lm	37.80W	1895	1895	74.61	3439 lm
9.60W	0485	485	19.09	880 lm	24.00W	1205	1205	47.44	2187 lm	38.40W	1925	1925	75.79	3494 lm
10.20W	0515	515	20.28	935 lm	24.60W	1235	1235	48.62	2241 lm	39.00W	1955	1955	76.97	3548 lm
10.80W	0545	545	21.46	989 lm	25.20W	1265	1265	49.80	2296 lm	39.60W	1985	1985	78.15	3603 lm
11.40W	0575	575	22.64	1044 lm	25.80W	1295	1295	50.98	2350 lm	40.20W	2015	2015	79.33	3657 lm
12.00W	0605	605	23.82	1098 lm	26.40W	1325	1325	52.17	2405 lm	40.80W	2045	2045	80.51	3712 lm
12.60W	0635	635	25.00	1152 lm	27.00W	1355	1355	53.35	2459 lm	41.40W	2075	2075	81.69	3766 lm
13.20W	0665	665	26.18	1207 lm	27.60W	1385	1385	54.53	2514 lm	42.00W	2105	2105	82.87	3820 lm
13.80W	0695	695	27.36	1261 lm	28.20W	1415	1415	55.71	2568 lm					
14.40W	0725	725	28.54	1316 lm	28.80W	1445	1445	56.89	2623 lm					

Code ordering example: **G 4 2 0 0 9 9 5 - 9 7 2 7 O D 0 0 1 0**

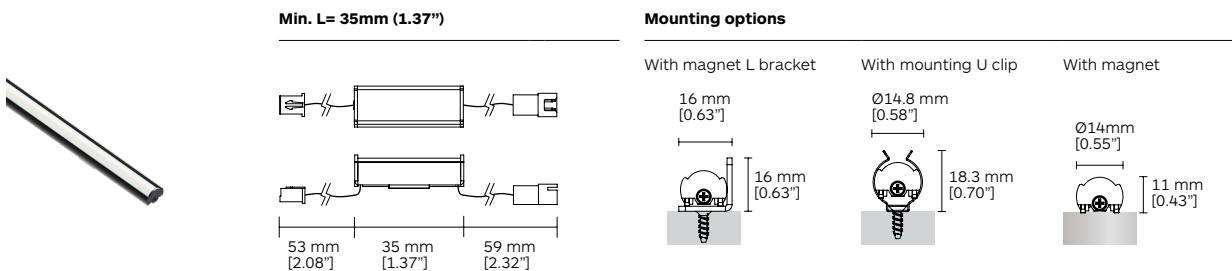
Product code*	Length code***	Light Source	>CRI	CCT**	LED Power	Nominal Lumen	Diffuser	Driver Options	Finish
Microline Ø14 20W/m	G420	0995	LED	97 27	2700K	20W/m	1815lm/m	OD TD RD	00 No Driver 70 ■ Aluminium

Notes:

* For complete code ordering information, please see page 27. For driver information please see page 22.

** Tuneable White option on request. For the most updated product information, please go to our website.

Microline Ø14 | 31W/m | G422



Max. L= 1925mm (75.79")

Increment: 30mm (1.18")

Available length codes

LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen
0.93W	0035	35	1.37	110 lm	23.25W	0755	755	29.72	2380 lm	45.57W	1475	1475	58.07	4649 lm
1.86W	0065	65	2.56	205 lm	24.18W	0785	785	30.91	2474 lm	46.50W	1505	1505	59.25	4744 lm
2.79W	0095	95	3.74	299 lm	25.11W	0815	815	32.09	2569 lm	47.43W	1535	1535	60.43	4838 lm
3.72W	0125	125	4.92	394 lm	26.04W	0845	845	33.27	2663 lm	48.36W	1565	1565	61.61	4933 lm
4.65W	0155	155	6.10	488 lm	26.97W	0875	875	34.45	2758 lm	49.29W	1595	1595	62.80	5027 lm
5.58W	0185	185	7.28	583 lm	27.90W	0905	905	35.63	2852 lm	50.22W	1625	1625	63.98	5122 lm
6.51W	0215	215	8.46	678 lm	28.83W	0935	935	36.81	2947 lm	51.15W	1655	1655	65.16	5216 lm
7.44W	0245	245	9.65	772 lm	29.76W	0965	965	37.99	3042 lm	52.08W	1685	1685	66.34	5311 lm
8.37W	0275	275	10.83	867 lm	30.69W	0995	995	39.17	3136 lm	53.01W	1715	1715	67.52	5406 lm
9.30W	0305	305	12.01	961 lm	31.62W	1025	1025	40.35	3231 lm	53.94W	1745	1745	68.70	5500 lm
10.23W	0335	335	13.19	1056 lm	32.55W	1055	1055	41.54	3325 lm	54.87W	1775	1775	69.88	5595 lm
11.16W	0365	365	14.37	1150 lm	33.48W	1085	1085	42.72	3420 lm	55.80W	1805	1805	71.06	5689 lm
12.09W	0395	395	15.55	1245 lm	34.41W	1115	1115	43.90	3514 lm	56.73W	1835	1835	72.24	5784 lm
13.02W	0425	425	16.73	1340 lm	35.34W	1145	1145	45.08	3609 lm	57.66W	1865	1865	73.43	5878 lm
13.95W	0455	455	17.91	1434 lm	36.27W	1175	1175	46.26	3704 lm	58.59W	1895	1895	74.61	5973 lm
14.88W	0485	485	19.09	1529 lm	37.20W	1205	1205	47.44	3798 lm	59.52W	1925	1925	75.79	6067 lm
15.81W	0515	515	20.28	1623 lm	38.13W	1235	1235	48.62	3893 lm					
16.74W	0545	545	21.46	1718 lm	39.06W	1265	1265	49.80	3987 lm					
17.67W	0575	575	22.64	1812 lm	39.99W	1295	1295	50.98	4082 lm					
18.60W	0605	605	23.82	1907 lm	40.92W	1325	1325	52.17	4176 lm					
19.53W	0635	635	25.00	2001 lm	41.85W	1355	1355	53.35	4271 lm					
20.46W	0665	665	26.18	2096 lm	42.78W	1385	1385	54.53	4365 lm					
21.39W	0695	695	27.36	2191 lm	43.71W	1415	1415	55.71	4460 lm					
22.32W	0725	725	28.54	2285 lm	44.64W	1445	1445	56.89	4555 lm					

Code ordering example: **G 4 2 2 0 9 9 5 - 9 7 2 7 O D 0 0 1 0**

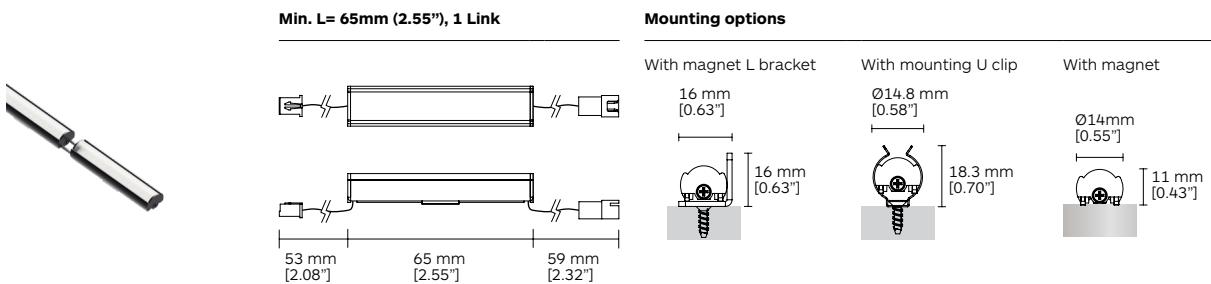
Product code*	Length code***	Light Source	>CRI	CCT**	LED Power	Nominal Lumen	Diffuser	Driver Options	Finish
Microline Ø14 31W/m	G422	0995	LED	97 27	2700K	31W/m	3152lm/m	OD	00 No Driver

Notes:

* For complete code ordering information, please see page 27. For driver information please see page 22.

** Tuneable White  option on request. For the most updated product information, please go to our website.

Microline Ø14 Chain | 1.2W/Link | G435



Max. L= 2990mm (117.71"), 40 Links

Increment: 75mm (2.95"), 1 Link

Available length codes

No. of Links	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	No. of Links	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen
1	1.20W	0065	65	2.56	118 lm	21	25.20W	1565	1565	61.61	2478 lm
2	2.40W	0140	140	5.51	236 lm	22	26.40W	1640	1640	64.57	2596 lm
3	3.60W	0215	215	8.46	354 lm	23	27.60W	1715	1715	67.52	2714 lm
4	4.80W	0290	290	11.42	472 lm	24	28.80W	1790	1790	70.47	2832 lm
5	6.00W	0365	365	14.37	590 lm	25	30.00W	1865	1865	73.43	2950 lm
6	7.20W	0440	440	17.32	708 lm	26	31.20W	1940	1940	76.38	3068 lm
7	8.40W	0515	515	20.28	826 lm	27	32.40W	2015	2015	79.33	3186 lm
8	9.60W	0590	590	23.23	944 lm	28	33.60W	2090	2090	82.28	3504 lm
9	10.80W	0665	665	26.18	1062 lm	29	34.80W	2165	2165	85.24	3422 lm
10	12.00W	0740	740	29.13	1180 lm	30	36.00W	2240	2240	88.19	3540 lm
11	13.20W	0815	815	32.09	1298 lm	31	37.20W	2315	2315	91.14	3658 lm
12	14.40W	0890	890	35.04	1416 lm	32	38.40W	2390	2390	94.09	3776 lm
13	15.60W	0965	965	37.99	1534 lm	33	39.60W	2465	2465	97.05	3894 lm
14	16.80W	1040	1040	40.94	1652 lm	34	40.80W	2540	2540	100.00	4012 lm
15	18.00W	1115	1115	43.90	1770 lm	35	42.00W	2615	2615	102.95	4130 lm
16	19.20W	1190	1190	46.85	1888 lm	36	43.20W	2690	2690	105.91	4248 lm
17	20.40W	1265	1265	49.80	2006 lm	37	44.40W	2765	2765	108.86	4366 lm
18	21.60W	1340	1340	52.76	2124 lm	38	45.60W	2840	2840	111.81	4484 lm
19	22.80W	1415	1415	55.71	2242 lm	39	46.80W	2915	2915	114.76	4602 lm
20	24.00W	1490	1490	58.66	2360 lm	40	48.00W	2990	2990	117.72	4720 lm

Code ordering example: **G 4 3 5 0 0 6 5 - 9 0 2 7 O D 0 0 1 0**

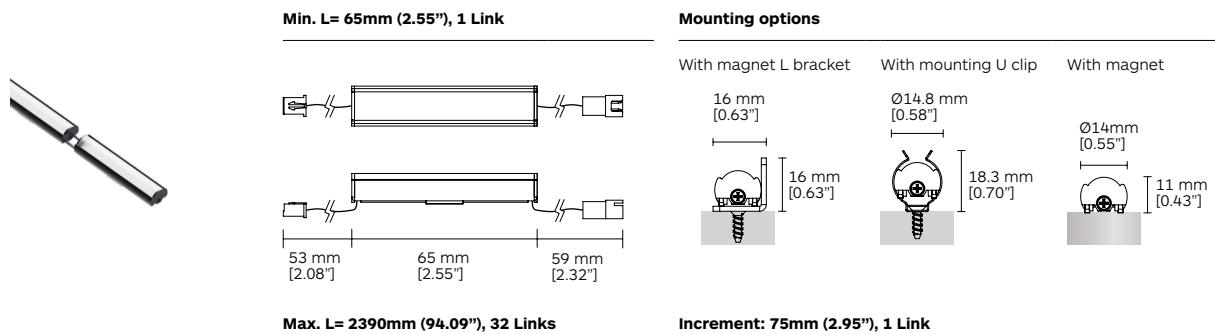
Product code*	Length code***	Light Source	>CRI	CCT**	LED Power	Nominal Lumen	Diffuser	Driver Options	Finish
Microline Ø14 Chain 1.2W/link	G435	0065	LED	97	27	2700K	1.2W/Link	118 lm/Link	OD
				30		3000K			TD
				35		3500K			RD
				40		4000K			

Notes:

* For complete code ordering information, please see page 27. For driver information please see page 23.

** Tuneable White option on request. For the most updated product information, please go to our website.

Microline Ø14 Chain | 1.9W/Link | G436



Available length codes

No. of Links	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	No. of Links	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen
1	1.86W	0065	65	2.56	164 lm	17	31.62W	1265	1265	49.80	2788 lm
2	3.72W	0140	140	5.51	328 lm	18	33.48W	1340	1340	52.76	2952 lm
3	5.58W	0215	215	8.46	492 lm	19	33.34W	1415	1415	55.71	3116 lm
4	7.44W	0290	290	11.42	656 lm	20	37.20W	1490	1490	58.66	3280 lm
5	9.30W	0365	365	14.37	820 lm	21	39.06W	1565	1565	61.61	3444 lm
6	11.16W	0440	440	17.32	984 lm	22	40.92W	1640	1640	64.57	3608 lm
7	13.02W	0515	515	20.28	1148 lm	23	42.78W	1715	1715	67.52	3772 lm
8	14.88W	0590	590	23.23	1312 lm	24	44.64W	1790	1790	70.47	3936 lm
9	16.74W	0665	665	26.18	1476 lm	25	46.50W	1865	1865	73.43	4100 lm
10	18.60W	0740	740	29.13	1640 lm	26	48.36W	1940	1940	76.38	4264 lm
11	20.46W	0815	815	32.09	1804 lm	27	50.22W	2015	2015	79.33	4428 lm
12	22.32W	0890	890	35.04	1968 lm	28	52.08W	2090	2090	82.28	4592 lm
13	24.18W	0965	965	37.99	2132 lm	29	53.94W	2165	2165	85.24	4756 lm
14	26.04W	1040	1040	40.94	2296 lm	30	55.80W	2240	2240	88.19	4920 lm
15	27.90W	1115	1115	43.90	2460 lm	31	57.66W	2315	2315	91.14	5084 lm
16	29.76W	1190	1190	46.85	2624 lm	32	59.52W	2390	2390	94.09	5248 lm

Code ordering example: **G 4 3 6 0 0 6 5 - 9 0 2 7 O D 0 0 1 0**

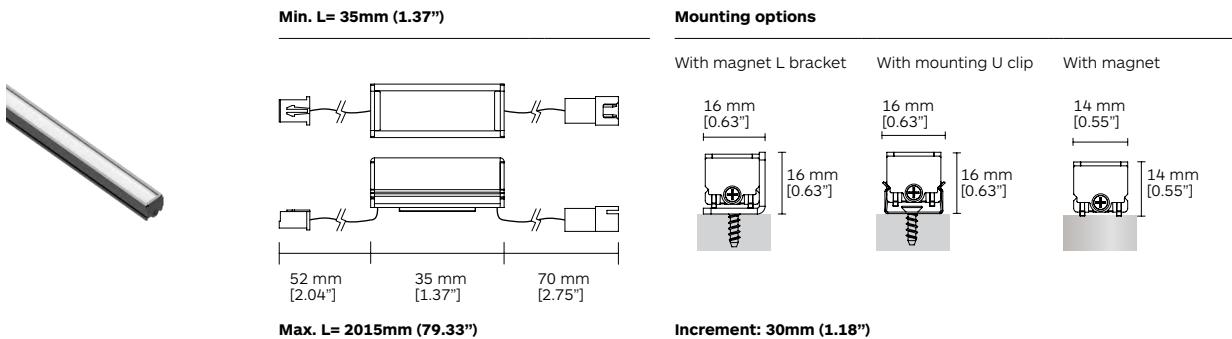
Product code*	Length code***	Light Source	>CRI	CCT**	LED Power	Nominal Lumen	Diffuser Options	Driver Options	Finish
Microline Ø14 Chain 1.9W/link	G436	0065	LED	97	27	2700K	1.9W/Link	164 lm/Link	OD
				30		3000K			TD
				35		3500K			RD
				40		4000K			

Notes:

* For complete code ordering information, please see page 27. For driver information please see page 23.

** Tuneable White option on request. For the most updated product information, please go to our website.

Microline 14 x 14 | 20W/m | G448



Available length codes

LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen
0.60W	0035	35	1.38	63 lm	14.40W	0725	725	28.54	1316 lm	28.20W	1415	1415	55.71	2568 lm
1.20W	0065	65	2.56	118 lm	15.00W	0755	755	29.72	1370 lm	28.80W	1445	1445	56.89	2623 lm
1.80W	0095	95	3.74	172 lm	15.60W	0785	785	30.91	1425 lm	29.40W	1475	1475	58.07	2677 lm
2.40W	0125	125	4.92	227 lm	16.20W	0815	815	32.09	1479 lm	30.00W	1505	1505	59.25	2731 lm
3.00W	0155	155	6.10	281 lm	16.80W	0845	845	33.27	1534 lm	30.60W	1535	1535	60.43	2786 lm
3.60W	0185	185	7.28	336 lm	17.40W	0875	875	34.45	1588 lm	31.20W	1565	1565	61.61	2840 lm
4.20W	0215	215	8.46	390 lm	18.00W	0905	905	35.63	1642 lm	31.80W	1595	1595	62.80	2895 lm
4.80W	0245	245	9.65	445 lm	18.60W	0935	935	36.81	1697 lm	32.40W	1625	1625	63.98	2949 lm
5.40W	0275	275	10.83	499 lm	19.20W	0965	965	37.99	1751 lm	33.00W	1655	1655	65.16	3004 lm
6.00W	0305	305	12.01	553 lm	19.80W	0995	995	39.17	1806 lm	33.60W	1685	1685	66.34	3058 lm
6.60W	0335	335	13.19	608 lm	20.40W	1025	1025	40.35	1860 lm	34.20W	1715	1715	67.52	3113 lm
7.20W	0365	365	14.37	662 lm	21.00W	1055	1055	41.54	1915 lm	34.80W	1745	1745	68.70	3167 lm
7.80W	0395	395	15.55	717 lm	21.60W	1085	1085	42.72	1969 lm	35.40W	1775	1775	69.88	3222 lm
8.40W	0425	425	16.73	771 lm	22.20W	1115	1115	43.90	2024 lm	36.00W	1805	1805	71.06	3276 lm
9.00W	0455	455	17.91	826 lm	22.80W	1145	1145	45.08	2078 lm	36.60W	1835	1835	72.24	3330 lm
9.60W	0485	485	19.09	880 lm	23.40W	1175	1175	46.26	2133 lm	37.20W	1865	1865	73.43	3385 lm
10.20W	0515	515	20.28	935 lm	24.00W	1205	1205	47.44	2187 lm	37.80W	1895	1895	74.61	3439 lm
10.80W	0545	545	21.46	989 lm	24.60W	1235	1235	48.62	2241 lm	38.40W	1925	1925	75.79	3494 lm
11.40W	0575	575	22.64	1044 lm	25.20W	1265	1265	49.80	2296 lm	39.00W	1955	1955	76.97	3548 lm
12.00W	0605	605	23.82	1098 lm	25.80W	1295	1295	50.98	2350 lm	39.60W	1985	1985	78.15	3603 lm
12.60W	0635	635	25.00	1152 lm	26.40W	1325	1325	52.17	2405 lm	40.20W	2015	2015	79.33	3657 lm
13.20W	0665	665	26.18	1207 lm	27.00W	1355	1355	53.35	2459 lm					
13.80W	0695	695	27.36	1261 lm	27.60W	1385	1385	54.53	2514 lm					

Code ordering example: **G 4 4 8 0 0 3 5 - 9 7 2 7 O D 0 0 1 0**

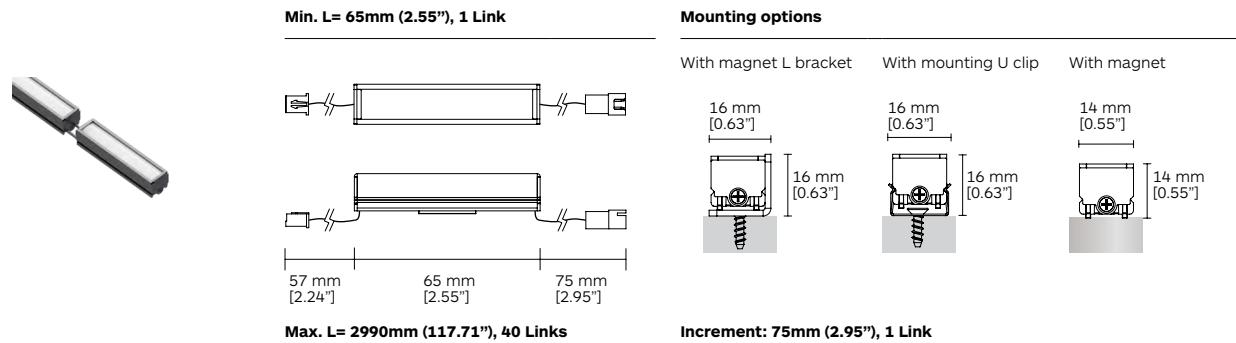
Product code*	Length code***	Light Source	>CRI	CCT**	LED Power	Nominal Lumen	Diffuser	Driver Options	Finish
Microline 14 x 14	G448	0035	LED	97	27	2700K	20W/m	1815 lm/m	OD
Min & Max. Length		2015		30	3000K		TD		70 ■ Aluminium
				35	3500K		RD		
				40	4000K				

Notes:

* For complete code ordering information, please see page 27. For driver information please see page 23.

** Tuneable White option on request. For the most updated product information, please go to our website.

Microline 14 x 14 Chain | 1.20W/Link | G440



Available length codes

No. of Links	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	No. of Links	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen
1	1.20W	0065	65	2.56	118 lm	21	25.20W	1565	1565	61.61	2478 lm
2	2.40W	0140	140	5.51	236 lm	22	26.40W	1640	1640	64.57	2596 lm
3	3.60W	0215	215	8.46	354 lm	23	27.60W	1715	1715	67.52	2714 lm
4	4.80W	0290	290	11.42	472 lm	24	28.80W	1790	1790	70.47	2832 lm
5	6.00W	0365	365	14.37	590 lm	25	30.00W	1865	1865	73.43	2950 lm
6	7.20W	0440	440	17.32	708 lm	26	31.20W	1940	1940	76.38	3068 lm
7	8.40W	0515	515	20.28	826 lm	27	32.40W	2015	2015	79.33	3186 lm
8	9.60W	0590	590	23.23	944 lm	28	33.60W	2090	2090	82.28	3504 lm
9	10.80W	0665	665	26.18	1062 lm	29	34.80W	2165	2165	85.24	3422 lm
10	12.00W	0740	740	29.13	1180 lm	30	36.00W	2240	2240	88.19	3540 lm
11	13.20W	0815	815	32.09	1298 lm	31	37.20W	2315	2315	91.14	3658 lm
12	14.40W	0890	890	35.04	1416 lm	32	38.40W	2390	2390	94.09	3776 lm
13	15.60W	0965	965	37.99	1534 lm	33	39.60W	2465	2465	97.05	3894 lm
14	16.80W	1040	1040	40.94	1652 lm	34	40.80W	2540	2540	100.00	4012 lm
15	18.00W	1115	1115	43.90	1770 lm	35	42.00W	2615	2615	102.95	4130 lm
16	19.20W	1190	1190	46.85	1888 lm	36	43.20W	2690	2690	105.91	4248 lm
17	20.40W	1265	1265	49.80	2006 lm	37	44.40W	2765	2765	108.86	4366 lm
18	21.60W	1340	1340	52.76	2124 lm	38	45.60W	2840	2840	111.81	4484 lm
19	22.80W	1415	1415	55.71	2242 lm	39	46.80W	2915	2915	114.76	4602 lm
20	24.00W	1490	1490	58.66	2360 lm	40	48.00W	2990	2990	117.72	4720 lm

Code ordering example: **G 4 4 0 0 0 6 5 - 9 7 2 7 O D 0 0 1 0**

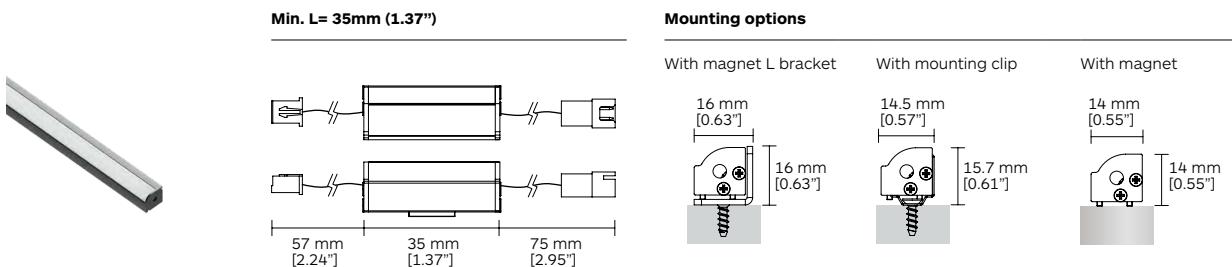
	Product code*	Length code***	Light Source	>CRI	CCT**	LED Power	Nominal Lumen	Diffuser	Driver Options	Finish	
Microline 14 x 14 Chain Min & Max. Length	G440	0065	LED	97	27	2700K	1.2W/Link	118 lm/Link	OD	00 No Driver	10 ■ Black
		2990		30	3000K				TD		70 ■ Aluminium
				35	3500K				RD		
				40	4000K						

Notes:

* For complete code ordering information, please see page 27. For driver information please see page 23.

** Tuneable White option on request. For the most updated product information, please go to our website.

Microline 14 x 14 Corner | 20W/m | G459



Max. L= 2015mm (79.33")

Increment: 30mm (1.18")

Available length codes

LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen	LED Power	Length code	Length in mm	Length in inches	Nominal Lumen
0.60W	0035	35	1.38	63 lm	14.40W	0725	725	28.54	1316 lm	28.20W	1415	1415	55.71	2568 lm
1.20W	0065	65	2.56	118 lm	15.00W	0755	755	29.72	1370 lm	28.80W	1445	1445	56.89	2623 lm
1.80W	0095	95	3.74	172 lm	15.60W	0785	785	30.91	1425 lm	29.40W	1475	1475	58.07	2677 lm
2.40W	0125	125	4.92	227 lm	16.20W	0815	815	32.09	1479 lm	30.00W	1505	1505	59.25	2731 lm
3.00W	0155	155	6.10	281 lm	16.80W	0845	845	33.27	1534 lm	30.60W	1535	1535	60.43	2786 lm
3.60W	0185	185	7.28	336 lm	17.40W	0875	875	34.45	1588 lm	31.20W	1565	1565	61.61	2840 lm
4.20W	0215	215	8.46	390 lm	18.00W	0905	905	35.63	1642 lm	31.80W	1595	1595	62.80	2895 lm
4.80W	0245	245	9.65	445 lm	18.60W	0935	935	36.81	1697 lm	32.40W	1625	1625	63.98	2949 lm
5.40W	0275	275	10.83	499 lm	19.20W	0965	965	37.99	1751 lm	33.00W	1655	1655	65.16	3004 lm
6.00W	0305	305	12.01	553 lm	19.80W	0995	995	39.17	1806 lm	33.60W	1685	1685	66.34	3058 lm
6.60W	0335	335	13.19	608 lm	20.40W	1025	1025	40.35	1860 lm	34.20W	1715	1715	67.52	3113 lm
7.20W	0365	365	14.37	662 lm	21.00W	1055	1055	41.54	1915 lm	34.80W	1745	1745	68.70	3167 lm
7.80W	0395	395	15.55	717 lm	21.60W	1085	1085	42.72	1969 lm	35.40W	1775	1775	69.88	3222 lm
8.40W	0425	425	16.73	771 lm	22.20W	1115	1115	43.90	2024 lm	36.00W	1805	1805	71.06	3276 lm
9.00W	0455	455	17.91	826 lm	22.80W	1145	1145	45.08	2078 lm	36.60W	1835	1835	72.24	3330 lm
9.60W	0485	485	19.09	880 lm	23.40W	1175	1175	46.26	2133 lm	37.20W	1865	1865	73.43	3385 lm
10.20W	0515	515	20.28	935 lm	24.00W	1205	1205	47.44	2187 lm	37.80W	1895	1895	74.61	3439 lm
10.80W	0545	545	21.46	989 lm	24.60W	1235	1235	48.62	2241 lm	38.40W	1925	1925	75.79	3494 lm
11.40W	0575	575	22.64	1044 lm	25.20W	1265	1265	49.80	2296 lm	39.00W	1955	1955	76.97	3548 lm
12.00W	0605	605	23.82	1098 lm	25.80W	1295	1295	50.98	2350 lm	39.60W	1985	1985	78.15	3603 lm
12.60W	0635	635	25.00	1152 lm	26.40W	1325	1325	52.17	2405 lm	40.20W	2015	2015	79.33	3657 lm
13.20W	0665	665	26.18	1207 lm	27.00W	1355	1355	53.35	2459 lm					
13.80W	0695	695	27.36	1261 lm	27.60W	1385	1385	54.53	2513 lm					

Code ordering example: **G 4 5 9 0 0 3 5 - 9 7 2 7 R D 0 0 1 0**

	Product code*	Length code***	Light Source	>CRI	CCT**	LED Power	Nominal Lumen	Diffuser	Driver Options	Finish	
Microline 14 x 14 Corner Min & Max. Length	G459	0035	LED	97	27	2700K	20W/m	1815 lm/m	RD	00 No Driver	10 Black
		2015		30	3000K						70 Aluminium
				35	3500K						
				40	4000K						

Notes:

* For complete code ordering information, please see page 27. For driver information please see page 24.

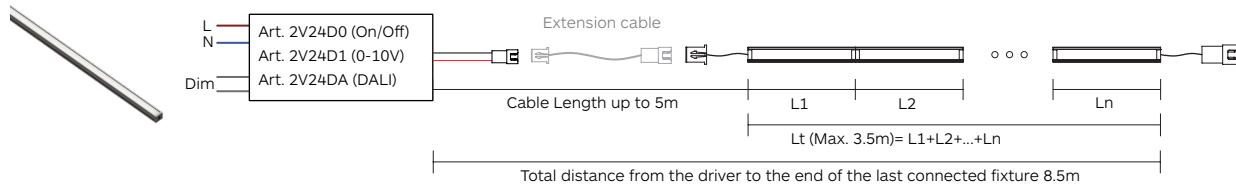
** Tuneable White  option on request. For the most updated product information, please go to our website.

Driver Options

Constant Voltage

Microline 5 x 5

2V24 Constant Voltage LED Driver. 1 Driver for Maximum 3.5m long fixtures.

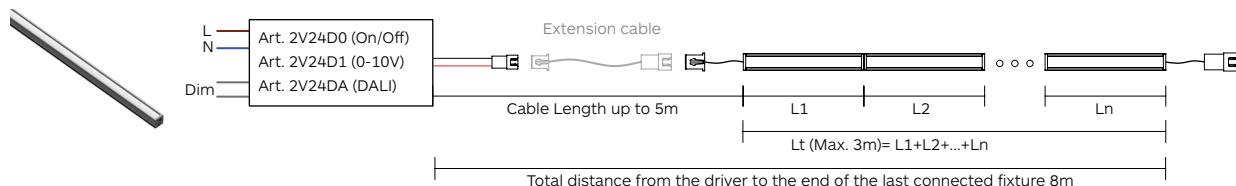


Vin= 90~305V AC 50/60Hz
Vout= 24VDC 2.5A 60W Max.
Dimensions: 150x53x35mm
IP67

Extension cable. Art. 2D58. 1m (if necessary).

Microline 7 x 7

2V24 Constant Voltage LED Driver. 1 Driver for Maximum 3m long fixtures.

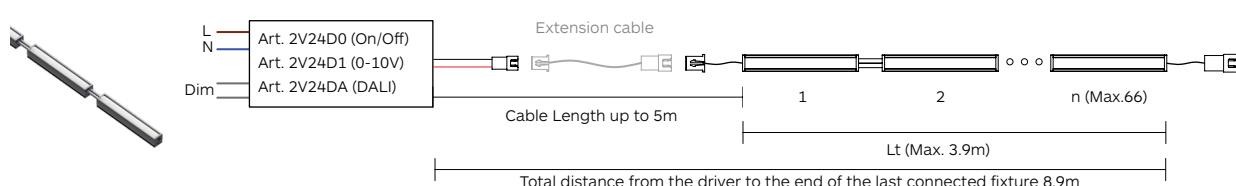


Vin= 90~305V AC 50/60Hz
Vout= 24VDC 2.5A 60W Max.
Dimensions: 150x53x35mm
IP67

Extension cable. Art. 2D58. 1m (if necessary).

Microline 7 x 7 Chain

2V24 Constant Voltage LED Driver. 1 Driver for Maximum 66 links, about 3.9m long fixtures.



Vin= 90~305V AC 50/60Hz
Vout= 24VDC 2.5A 60W Max.
Dimensions: 150x53x35mm
IP67

Extension cable. Art. 2D58. 1m (if necessary).

Notes:

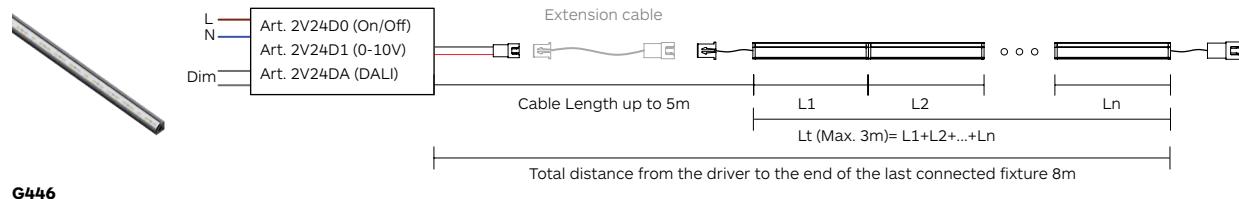
- * For complete code ordering information, please see page 27.
- ** For other CCT options, please contact us.
- For the most updated product information, please go to our website.

Driver Options

Constant Voltage

Microline 7 x 7 Corner

2V24 Constant Voltage LED Driver. 1 Driver for Maximum 3m long fixtures.

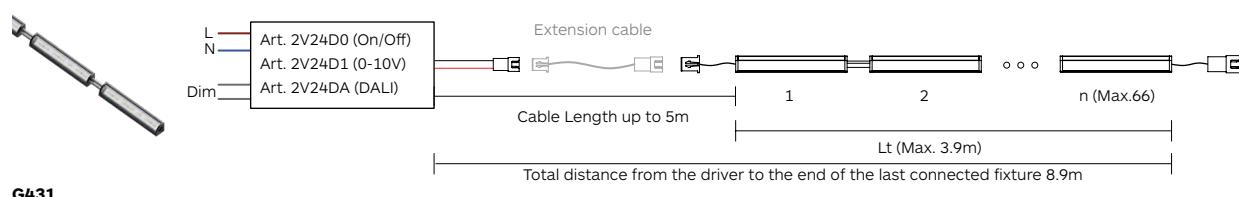


Vin= 90~305V AC 50/60Hz
Vout= 24VDC 2.5A 60W Max.
Dimensions: 150x53x35mm
IP67

Extension cable. Art. 2D58. 1m (if necessary).

Microline 7 x 7 Corner Chain

2V24 Constant Voltage LED Driver. 1 Driver for Maximum 66 links, about 3.9m long fixtures.

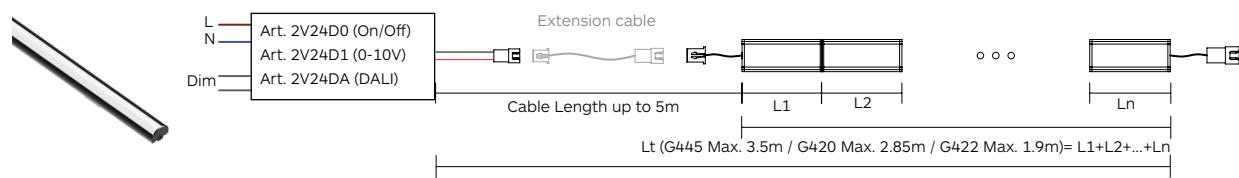


Vin= 90~305V AC 50/60Hz
Vout= 24VDC 2.5A 60W Max.
Dimensions: 150x53x35mm
IP67

Extension cable. Art. 2D58. 1m (if necessary).

Microline Ø14

2V24 Constant Voltage LED Driver. 1 Driver for Maximum 3.5m G445 / 2.85m G420 / 1.9m G422 long fixtures.



Vin= 90~305V AC 50/60Hz
Vout= 24VDC 2.5A 60W Max. Dimensions: 150x53x35mm.
IP67

Extension cable. Art. 2D58. 1m (if necessary).

Notes:

- * For complete code ordering information, please see page 27.
- ** For other CCT options, please contact us.
- For the most updated product information, please go to our website.

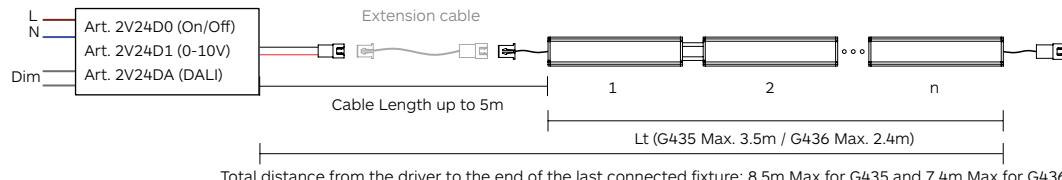
Driver Options

Constant Voltage

Microline Ø14 Chain



2V24 Constant Voltage LED Driver.
1 Driver for Maximum 47 links G435 about 3.5m / 32 links G436 about 2.4m long fixtures.



G435 / G436

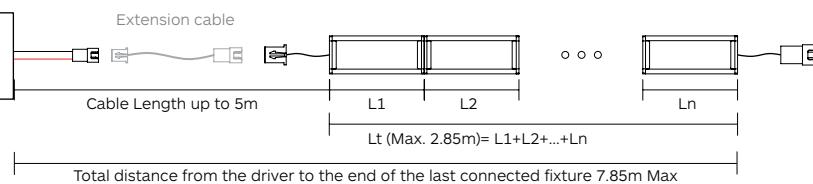
Vin= 90~305V AC 50/60Hz
Vout= 24VDC 2.5A 60W Max.
Dimensions: 150x53x35mm
IP67

Extension cable. Art. 2D58. 1m (if necessary).

Microline 14 x 14



2V24 Constant Voltage LED Driver. 1 Driver for Maximum 2.85m long fixtures.



G448

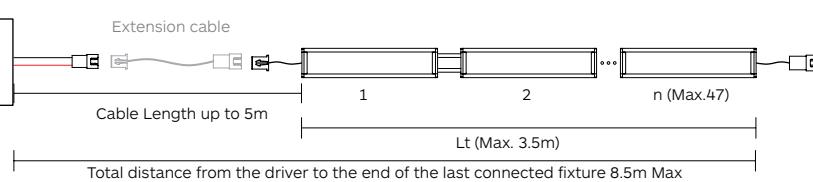
Vin= 90~305V AC 50/60Hz
Vout= 24VDC 2.5A 60W Max.
Dimensions: 150x53x35mm
IP67

Extension cable. Art. 2D58. 1m (if necessary).

Microline 14 x 14 Chain



2V24 Constant Voltage LED Driver. 1 Driver for Maximum 47 links about 3.5m long fixtures.



G440

Vin= 90~305V AC 50/60Hz
Vout= 24VDC 2.5A 60W Max.
Dimensions: 150x53x35mm
IP67

Extension cable. Art. 2D58. 1m (if necessary).

Notes:

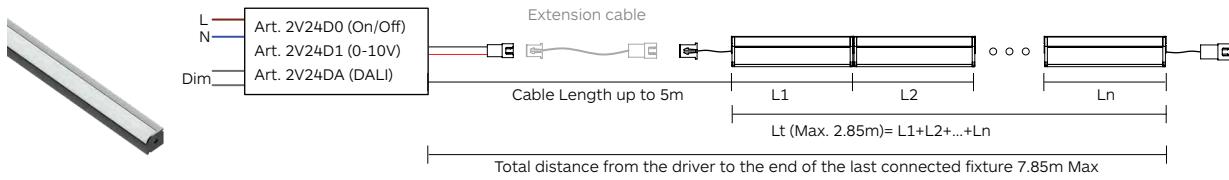
- * For complete code ordering information, please see page 27.
- ** For other CCT options, please contact us.
- For the most updated product information, please go to our website.

Driver Options

Constant Voltage

Microline 14 x 14 Corner

2V24 Constant Voltage LED Driver. 1 Driver for Maximum 2.85m long fixtures.



G459

Extension cable. Art. **2D58**. 1m (if necessary).

V_{in} = 90~305V AC 50/60Hz

V_{out} = 24VDC 2.5A 60W Max.

Dimensions: 150x53x35mm

IP67

Notes:

* For complete code ordering information, please see page 27.

** For other CCT options, please contact us.

For the most updated product information, please go to our website.

Symbols & Icons

Code System

Global Presence

Symbols & Icons

Trim Round	
Trim Square	
Trimless Round	
Trimless Square	
Round ceiling cut	
Square ceiling cut	

The CE mark signifies that a product conforms with the relevant ECC directives requirements. The CE marking is compulsory to indicate LVD and EMC conformity.



The CE mark is also a self certification that the manufacturer claims that the product is safe. The value of such claim is directly related to the case of FormaLighting: All products are designed, developed, manufactured under the scope of ISO 9001 quality systems.

All formaLighting products are tested in Europe and certified by an independent laboratory that is registered and audited by an approved European testing authority.

Others third party product approvals

Our products include electrical and electronic components that carry other world wide Test House approvals such as those shown:	
CLASS I Luminaires of insulation Class I - with earth connector.	
CLASS II Luminaires of insulation Class II - With safety isolation, this means the tension conductors element are protected by additional isolation. The isolation of an earth wire is not necessary and the connection to it is not allowed.	
CLASS III Luminaires of insulation Class III - designed for operation of protected low voltage supply (>42V).	
Passes the 850C glow wire test in accordance with ICE 695-2-1.	
Passes the 960C glow wire test in accordance with ICE 695-2-1.	
Degree of Ingress Protection*	
Dim2Warm	
Tunable White	
Recyclable	

IP__ Degree of Ingress Protection

1st Number	Protection Against Dust and Solid Objects	2nd Number	Protection Against Moisture and Liquids
0	No-Protection	0	No-Protection
1	Protection against solid objects >50 mm	1	Protection against dripping water
2	Protection against solid objects >12 mm	2	Protection against dripping water tilted > 15 deg
3	Protection against solid objects >2.5 mm	3	Protection against spraying water > 30 deg
4	Protection against solid objects >1 mm	4	Protection against spraying water
5	Dust - protected	5	Protection against water jet
6	Dust - tight	6	Protection against waves
7		7	Protection against the effects of immersion
8		8	Protection against submersion

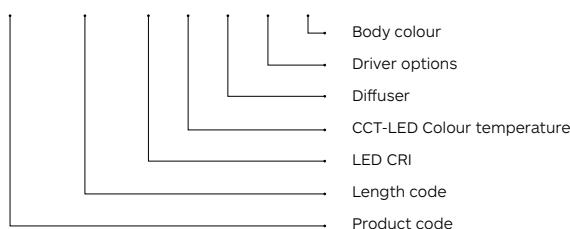
Level of Shock Resistance

IK00	Not protected	
IK01	Protected against 0.15 J shocks	
IK02	Protected against 0.2 J shocks	
IK03	Protected against 0.35 J shocks	
IK04	Protected against 0.5 J shocks	
IK05	Protected against 0.7 J shocks	
IK06	Protected against 1 J shocks	
IK07	Protected against 2 J shocks	
IK08	Protected against 5 J shocks	
IK09	Protected against 10 J shocks	
IK10	Protected against 20 J shocks	

Code system

Code ordering examples:

Microline 5 x 5: **G 4 4 6 0 0 5 5 - 9 7 2 7 RD 0 0 1 0**



LED CRI

90	CRI > 90
97	CRI > 97

Driver Options

00	No Driver
D0	No dimming
DA	Dali Dim
DX	DMX
DC	CASAMBI
D1	0-10 Dim

Body Colour

10	Black
79	Natural Aluminium

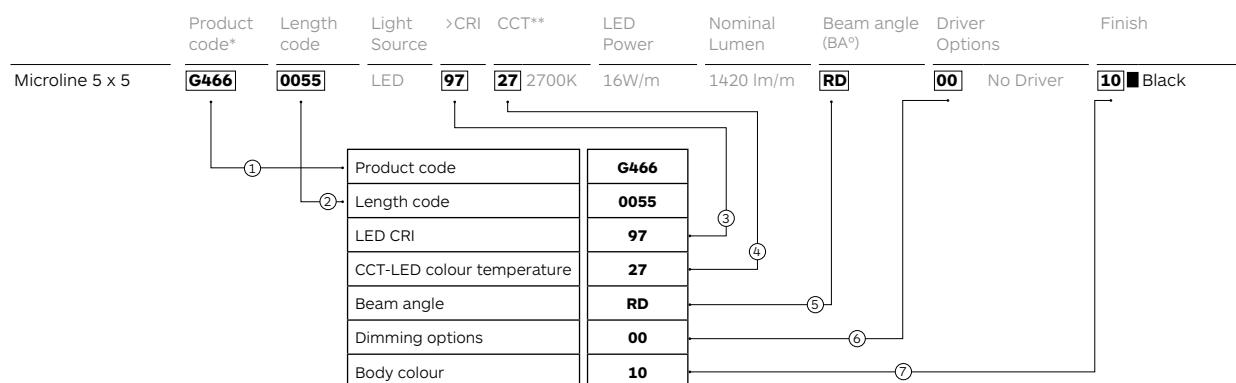
CCT-LED Colour temperature

27	Warm White 2700K
30	Warm White 3000K
35	Warm White 3500K
40	Neutral White 4000K
TW	Tunable White 1800K - 6000K
RGB	
RGBW	

Diffuser Options

OD	Opal diffuser
TD	Transparent lenticular diffuser
RD	Opal rigid diffuser

How to order



All dimensions in the catalogue in mm and inches.

Global presence

Celebrating 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, Shanghai and the USA.

Our well chosen and selected partners as well as our affiliated international offices broaden our global presence further in markets such as 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 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.

Headquarters

Europe / Milan

Tel (+39) 02 9354 0300
Fax (+39) 02 9343 5117
E- mail formaitalia@formalighting.it

Asia / Hong Kong

Tel (+ 852) 2516 6500
Fax (+ 852) 2516 6525
E- mail forma@forma.com.hk

USA / New York

Tel (+ 1) 470 419 4003
E- mail info.us@formalighting.com

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Technical information on the installation-instruction has precedence over the information in the catalogue. Our general terms and conditions shall apply notwithstanding any stipulation on the contrary to all the orders and agreement with formalighting. You can obtain a copy of these conditions on demand.

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