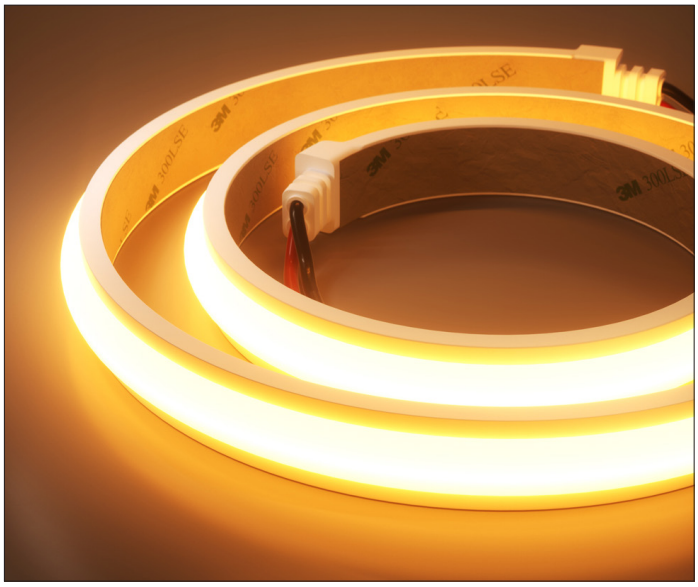
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Bespoke NeoLED IP65 Waterproof COB Strip Range

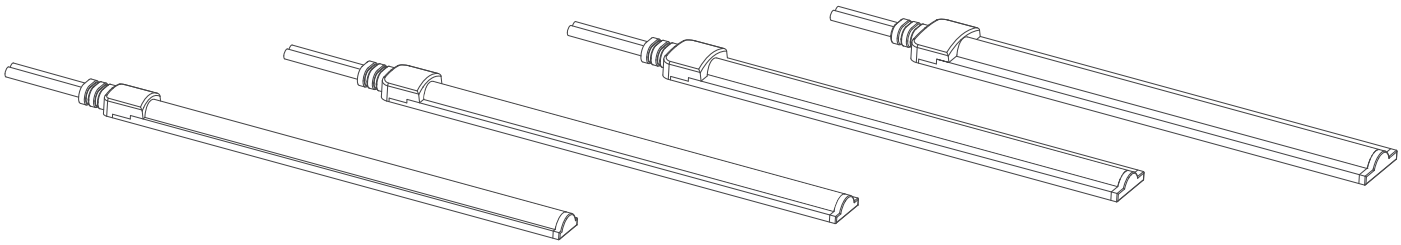


Features & Benefits:

- IP65 Rated (Frosted) NeoLED COB LED Strip
- Integrated IP65 Rated End Cap
- High Density LED Source
- Silicone Material - Anti Corrosion & Anti UV
- Available in 8mm, 10mm, 12mm & 14mm widths
- Available in a range of single colours, CCT & Colour changing
- Also available as an addressable Pixel RGB Solution



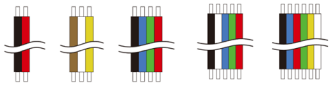
8mm	10mm	12mm	14mm
Single Colour	Single Colour / Dual-White / RGB / Pixel RGB	Single Colour / Dual-White / RGB / Pixel RGB	Single Colour / Dual-White / RGB / RGBW / RGBWW / Pixel RGB



Cross Section:	Cross Section:	Cross Section:	Cross Section:
8±0.2 x 4±0.2 (mm)	10±0.2 x 4±0.2 (mm)	12±0.2 x 4±0.2 (mm)	14±0.2 x 4.5±0.2 (mm)
Max Reel Length:	**Max Reel Length:**	**Max Reel Length:**	**Max Reel Length:**
5 Metres	5 Metres	5 Metres	5 Metres
IP Rating:	**IP Rating:**	**IP Rating:**	**IP Rating:**
IP65	IP65	IP65	IP65
Cable Types:	**Cable Types:**	**Cable Types:**	**Cable Types:**
2 Core	2 / 3 / 4 Core	2 / 3 / 4 Core	2 / 3 / 4 / 5 / 6 Core







UK CA | CE | RoHS Compliant

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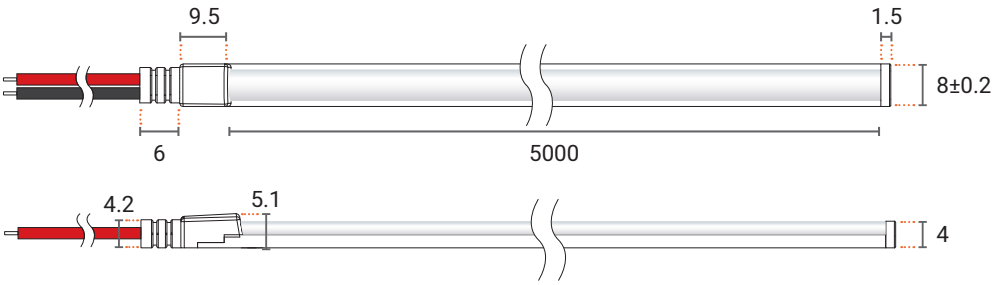
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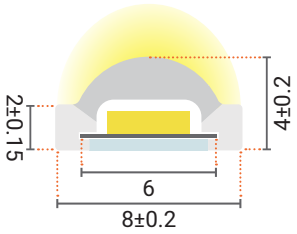
Dimensions (Unit: mm)

8mm

Dimensions

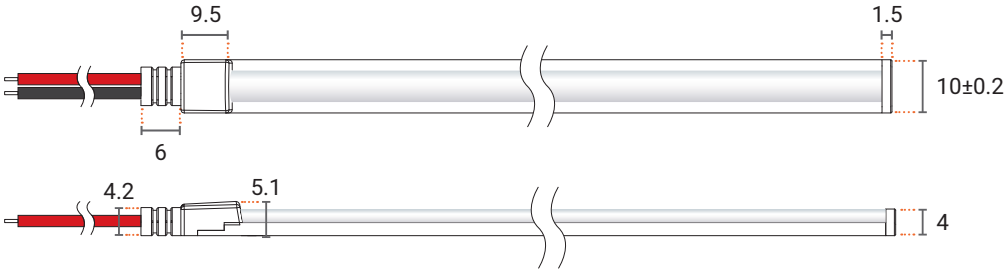


Cross Section

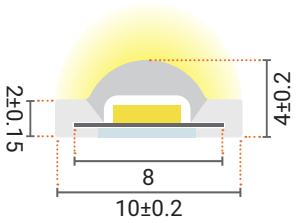


10mm

Dimensions

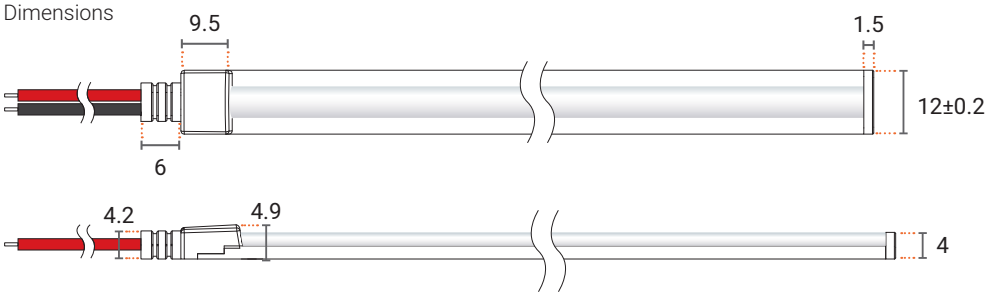


Cross Section

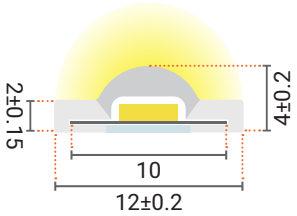


12mm

Dimensions

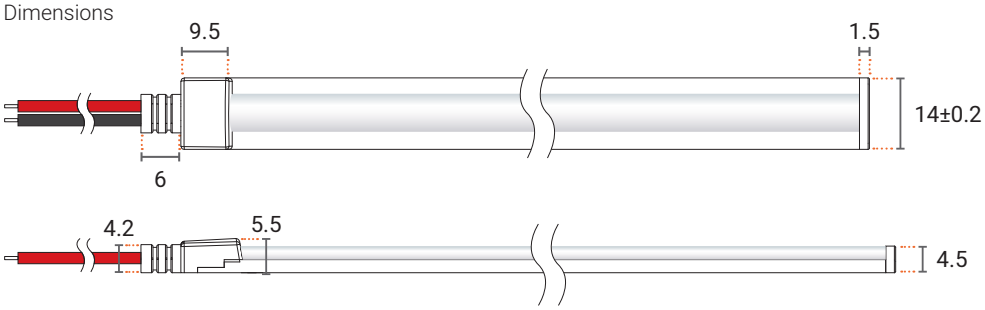


Cross Section

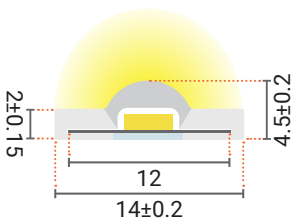


14mm

Dimensions



Cross Section



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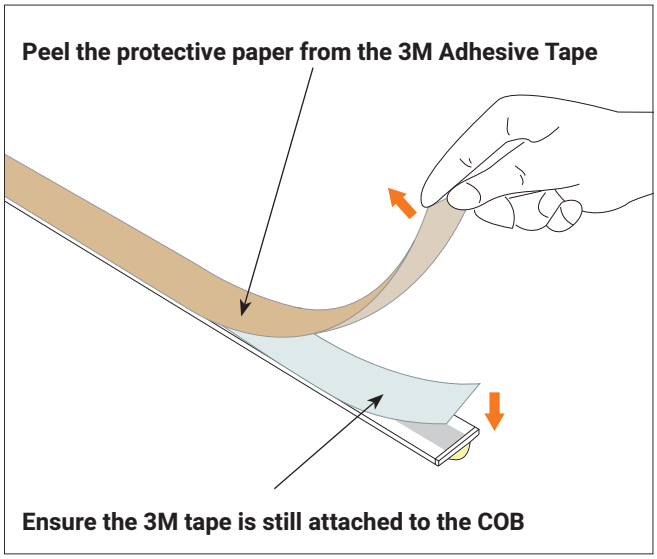
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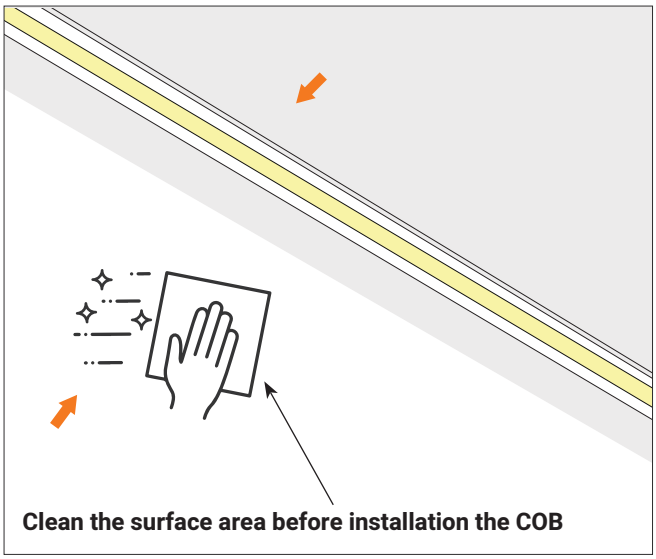
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Bespoke NeoLED IP65 Waterproof COB Strip Range

3M™ Adhesive Backing Installation

Technical Specification Data for installation using the adhesive backing





8mm

Technical Specification Data

8mm Single Colour - Specification Table

CCT(K)	CRI	SDCM	Power(W)	Lumen /m	Efficiency	Unit Length	Max Run Length	Voltage
2400	>90	<5	5W / 10W	535 / 1010	107.1 / 101	50mm	5 Metres	DC24V
2700	>90	<5	5W / 10W	546 / 1019	109.2 / 101.9	50mm	5 Metres	DC24V
3000	>90	<5	5W / 10W	554 / 1046	110.9 / 104.6	50mm	5 Metres	DC24V
3500	>90	<5	5W / 10W	599 / 1130	119.8 / 113	50mm	5 Metres	DC24V
4000	>90	<5	5W / 10W	558 / 1077	111.7 / 107.7	50mm	5 Metres	DC24V
5000	>90	<5	5W / 10W	552 / 1028	110.4 / 102.8	50mm	5 Metres	DC24V
6500	>90	<5	5W / 10W	560 / 1056	111.9 / 105.6	50mm	5 Metres	DC24V
R	-	-	5W / 10W	145 / 293	29.0 / 29.3	50mm	5 Metres	DC24V
G	-	-	5W / 10W	381 / 685	76.2 / 68.5	50mm	5 Metres	DC24V
B	-	-	5W / 10W	71 / 134	14.2 / 13.4	50mm	5 Metres	DC24V
Yellow	-	-	5W / 10W	116 / 223	23.2 / 22.3	50mm	5 Metres	DC24V
Orange	-	-	5W / 10W	136 / 274	27.2 / 27.4	50mm	5 Metres	DC24V
Pink	-	-	5W / 10W	316 / 602	63 / 60.2	50mm	5 Metres	DC24V

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10mm

Technical Specification Data

10mm Single Colour - Specification Table

CCT(K)	CRI	SDCM	Power(W)	Lumen /m	Efficiency	Unit Length	Max Run Length	Voltage
2400	>90	<5	5W / 10W	409 / 815	81.9 / 81.5	20mm	5 Metres	DC24V
2700	>90	<5	5W / 10W	423 / 822	84.6 / 82.2	20mm	5 Metres	DC24V
3000	>90	<5	5W / 10W	422 / 829	84.4 / 82.9	20mm	5 Metres	DC24V
3500	>90	<5	5W / 10W	476 / 918	95.2 / 91.8	20mm	5 Metres	DC24V
4000	>90	<5	5W / 10W	439 / 866	87.9 / 86.6	20mm	5 Metres	DC24V
5000	>90	<5	5W / 10W	443 / 869	88.5 / 86.9	20mm	5 Metres	DC24V
6500	>90	<5	5W / 10W	453 / 886	90.6 / 88.6	20mm	5 Metres	DC24V
R	-	-	5W / 10W	146 / 308	29.2 / 30.8	20mm	5 Metres	DC24V
G	-	-	5W / 10W	413 / 707	82.6 / 70.7	20mm	5 Metres	DC24V
B	-	-	5W / 10W	70 / 137	14 / 13.7	20mm	5 Metres	DC24V
Yellow	-	-	5W / 10W	106 / 226	21.2 / 22.6	20mm	5 Metres	DC24V
Orange	-	-	5W / 10W	128 / 278	25.6 / 27.8	20mm	5 Metres	DC24V
Pink	-	-	5W / 10W	287 / 567	57.4 / 56.7	20mm	5 Metres	DC24V

10mm Dual White - Specification Table

CCT(K)	CRI	SDCM	Power(W)	Lumen /m	Efficiency	Unit Length	Max Run Length	Voltage
2700		<5	5W	415	83.0			
6500	>90	<5	5W	418	83.6	83.3mm	5 Metres	DC24V
4000±300		-	10W	826	82.6			

10mm RGB - Specification Table

Power (W)	Colour	Lumen (LM/m)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length (m)	Voltage
10W	R	60	18.2	50mm	5 Metres	DC24V
	G	176	53.3			
	B	32	9.7			
	RGB	268	26.8			

10mm Digital RGB (Pixel) - Specification Table

Voltage (V)	Power (W)	Colour	Lumen (LM/m)	Efficiency	Pixel (PCS)	Signal Type	IC Model	Unit Length	Max. R-Length
DC5V	8W	R	19.8	7.4	100	SPI	UCS1903	10mm	2 Metres
		G	59.3	22.2					
		B	11.5	4.3					
		RGB	87.3	10.9					

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12mm

Technical Specification Data

12mm Single Colour - Specification Table

CCT(K)	CRI	SDCM	Power(W)	Lumen /m	Efficiency	Unit Length	Max Run Length	Voltage
			5W	429	85.9			
2400	>90	<5	10W	826	82.6	25mm	5 Metres	DC24V
			15W	1208	80.6			
			5W	433	86.6	25mm	5 Metres	DC24V
2700	>90	<5	10W	833	83.3			
			15W	1244	82.9	25mm	5 Metres	DC24V
			5W	436	87.3			
3000	>90	<5	10W	840	84	25mm	5 Metres	DC24V
			15W	1243	82.8			
			5W	484	96.7	25mm	5 Metres	DC24V
3500	>90	<5	10W	930	93			
			15W	1364	91	25mm	5 Metres	DC24V
			5W	442	88.4			
4000	>90	<5	10W	851	85.1	25mm	5 Metres	DC24V
			15W	1258	83.9			
			5W	443	88.7	25mm	5 Metres	DC24V
5000	>90	<5	10W	854	85.4			
			15W	1259	84	25mm	5 Metres	DC24V
			5W	450	90			
6500	>90	<5	10W	867	86.7	25mm	5 Metres	DC24V
			15W	1270	84.6			
			5W	142	28.4	25mm	5 Metres	DC24V
R	-	-	10W	281	28.1			
			15W	416	27.7	25mm	5 Metres	DC24V
			5W	349	69.8			
G	-	-	10W	628	62.8	25mm	5 Metres	DC24V
			15W	823	54.9			
			5W	62	12.4	25mm	5 Metres	DC24V
B	-	-	10W	121	12.1			
			15W	176	11.7	25mm	5 Metres	DC24V
			5W	88	17.6			
Yellow	-	-	10W	200	20	25mm	5 Metres	DC24V
			15W	294	19.6			
			5W	108	21.6	25mm	5 Metres	DC24V
Orange	-	-	10W	246	24.6			
			15W	345	23	25mm	5 Metres	DC24V
			5W	274	54.8			
Pink	-	-	10W	519	51.9	25mm	5 Metres	DC24V
			15W	755	50.3			

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12mm

Technical Specification Data

12mm Dual White - Specification Table

CCT(K)	CRI	SDCM	Power(W)	Lumen /m	Efficiency	Unit Length	Max Run Length	Voltage
2700	>90	<5	5W	422	84.4	83.3mm	5 Metres	DC24V
6500		<5	5W	434	86.8			
4000±300		-	10W	849	84.9			
2700	>90	<5	7.5W	619	82.5	83.3mm	5 Metres	DC24V
6500		<5	7.5W	639	85.2			
4000±300		-	15W	1241	82.7			

12mm RGB - Specification Table

Power (W)	Colour	Lumen (LM/m)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length (m)	Voltage
10W	R	54	16.4	50mm	5 Metres	DC24V
	G	175	53.0			
	B	31	9.4			
	RGB	264	26.4			
15W	R	76	15.2	50mm	5 Metres	DC24V
	G	233	46.6			
	B	39	7.8			
	RGB	339	22.6			

12mm Digital RGB (Pixel) - Specification Table

Voltage (V)	Power (W)	Colour	Lumen (LM/m)	Efficiency	Pixel (PCS)	Signal Type	IC Model	Unit Length	Max. R-Length
DC12V	13W	R	42.6	3.3	100	SPI	UCS1903	10mm	3 Metres
		G	141.6	10.9					
		B	33	2.5					
		RGB	208.5	16.0					

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Bespoke NeoLED IP65 Waterproof COB Strip Range

14mm

Technical Specification Data

14mm Single Colour - Specification Table

CCT(K)	CRI	SDCM	Power(W)	Lumen /m	Efficiency	Unit Length	Max Run Length	Voltage
			5W	449	89.8			
2400	>90	<5	10W	845	84.5	25mm	5 Metres	DC24V
			15W	1234	82.3			
			5W	445	89.1	25mm	5 Metres	DC24V
2700	>90	<5	10W	853	85.3			
			15W	1272	84.8	25mm	5 Metres	DC24V
			5W	444	88.7			
3000	>90	<5	10W	858	85.8	25mm	5 Metres	DC24V
			15W	1271	84.7			
			5W	489	97.7	25mm	5 Metres	DC24V
3500	>90	<5	10W	950	95			
			15W	1399	93.2	25mm	5 Metres	DC24V
			5W	449	89.9			
4000	>90	<5	10W	862	86.2	25mm	5 Metres	DC24V
			15W	1273	84.9			
			5W	453	90.6	25mm	5 Metres	DC24V
5000	>90	<5	10W	869	86.9			
			15W	1283	85.5	25mm	5 Metres	DC24V
			5W	458	91.6			
6500	>90	<5	10W	879	87.9	25mm	5 Metres	DC24V
			15W	1298	86.5			
			5W	142	28.4	25mm	5 Metres	DC24V
R	-	-	10W	282	28.2			
			15W	420	28	25mm	5 Metres	DC24V
			5W	375	75			
G	-	-	10W	674	67.4	25mm	5 Metres	DC24V
			15W	882	58.8			
			5W	70	14	25mm	5 Metres	DC24V
B	-	-	10W	123	12.3			
			15W	179	11.9	25mm	5 Metres	DC24V
			5W	116	23.2			
Yellow	-	-	10W	223	22.3	25mm	5 Metres	DC24V
			15W	318	21.2			
			5W	140	28	25mm	5 Metres	DC24V
Orange	-	-	10W	274	27.4			
			15W	386	25.7	25mm	5 Metres	DC24V
			5W	287	57.4			
Pink	-	-	10W	534	53.4	25mm	5 Metres	DC24V
			15W	782	52.1			

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14mm

Technical Specification Data

14mm Dual White - Specification Table

CCT(K)	CRI	SDCM	Power(W)	Lumen /m	Efficiency	Unit Length	Max Run Length	Voltage
2700	>90	<5	5W	437	87.4	83.3mm	5 Metres	DC24V
6500		<5	5W	447	89.4			
4000±300		-	10W	860	86			
2700	>90	<5	7.5W	641	85.5	83.3mm	5 Metres	DC24V
6500		<5	7.5W	658	87.7			
4000±300		-	15W	1264	84			

14mm RGB - Specification Table

Power (W)	Colour	Lumen (LM/m)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length (m)	Voltage
10W	R	49	14.8	50mm	5 Metres	DC24V
	G	169	51.2			
	B	30	9.1			
	RGB	260	26.0			
15W	R	69	13.8	50mm	5 Metres	DC24V
	G	226	45.2			
	B	38	7.6			
	RGB	334	22.3			

14mm Digital RGB (Pixel) - Specification Table

Voltage (V)	Power (W)	Colour	Lumen (LM/m)	Efficiency	Pixel (PCS)	Signal Type	IC Model	Unit Length	Max. R-Length
DC12V	13W	R	44.4	3.4	100	SPI	UCS1903	10mm	3 Metres
		G	143	11.0					
		B	33.5	2.6					
		RGB	210	16.2					

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14mm

Technical Specification Data

14mm RGBW - Specification Table

Total Power	CCT/Colour	CRI	SDCM	Single Colour Power (W)	Lumen (LM/W)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length (m)	Voltage
15W	R	-	-	3W	52	17.3	83.33mm	5 Metres	DC24V
	G	-	-	3W	156	52.0			
	B	-	-	3W	26	8.7			
	W: 2700K	>90	5	6W	486	81.0			
	RGBW	-	-	15W	702	46.8			
15W	R	-	-	3W	58	19.3	83.33mm	5 Metres	DC24V
	G	-	-	3W	173	57.7			
	B	-	-	3W	23	7.7			
	W: 3000K	>90	5	6W	480	80.0			
	RGBW	-	-	15W	698	46.5			
15W	R	-	-	3W	56	18.7	83.33mm	5 Metres	DC24V
	G	-	-	3W	162	54.0			
	B	-	-	3W	32	10.7			
	W: 3500K	>90	5	6W	514	85.7			
	RGBW	-	-	15W	706	47.1			
15W	R	-	-	3W	55	18.3	83.33mm	5 Metres	DC24V
	G	-	-	3W	158	52.7			
	B	-	-	3W	33	11.0			
	W: 4000K	>90	5	6W	477	79.5			
	RGBW	-	-	15W	701	46.7			
15W	R	-	-	3W	54	18.0	83.33mm	5 Metres	DC24V
	G	-	-	3W	165	55.0			
	B	-	-	3W	32	10.7			
	W: 5000K	>90	5	6W	487	81.2			
	RGBW	-	-	15W	721	48.1			
15W	R	-	-	3W	52	17.3	83.33mm	5 Metres	DC24V
	G	-	-	3W	167	55.7			
	B	-	-	3W	32	10.7			
	W: 6500K	>90	5	6W	486	81.0			
	RGBW	-	-	15W	716	47.7			

14mm RGBWW - Specification Table

Total Power (W)	CCT / Colour	CRI	Power for Single Colour (W)	Lumen (LM/W)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length (m)	Voltage
9W	R	-	3W	58	19.3	71.4mm	5 Metre	DC24V
	G	-	3W	171	57			
	B	-	3W	33	11			
	RGB	-	9W	248	27.6			
10W	2700K±100K	>90	5W	360	72			
	5500K±300K		5W	357	71.4			
	3800K±200K		10W	722	72.2			

+10% Tolerance on all Specifications. Colours can be variable.
We reserve the right to change specifications without notice. E&OE
If you require Technical support or for general enquiries, please do not hesitate to contact one of our LED Technical experts on the contact information provided.

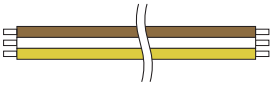
Telephone: 01260 540014
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Bespoke NeoLED IP65 Waterproof COB Strip Range

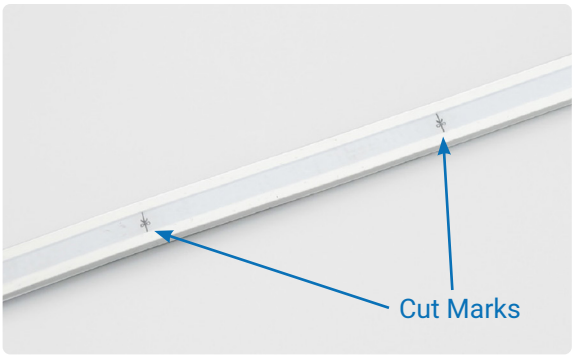
Cable Type

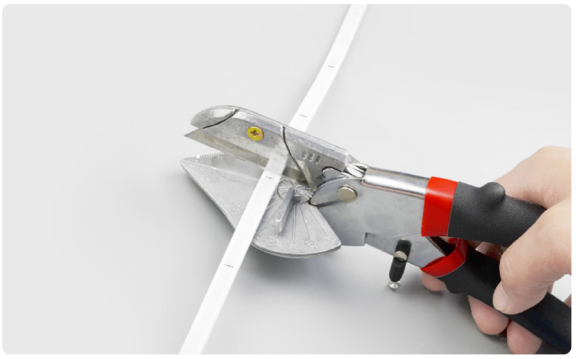
Technical Specification Data for the COB Cables

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		20AWG Red & Black 2-Core Cable		Red V+, Black V-
		20AWG Brown & White & Yellow 3-Core Cable		Dual White: Brown V+, White W, Yellow WW
		20AWG Brown & White & Yellow 3-Core Cable		Digital RGB: Brown V+, White DI, Yellow GND
		20AWG Black & Blue & Red & Green 4-Core Cable		Black V+, Blue B, Red R, Green G
		20AWG Black & White & Blue & Green & Red 5-Core Cable		Black V+, White W, Blue B, Green G, Red R
		20AWG Black & Blue & Red & Green & Yellow & White 6-Core Cable		Black V+, Blue B, Red R, Green G, Yellow WW, White W

Cutting Points

Technical Data for the COB Cut Marks





- The cut points are located on the bottom of the COB Neon by a black line with a scissors icon. There is also a transparent window on the base of the COB which will allow you to see the cut point.
- Ensure you're using professional-grade scissors to make a clean, precise cut to the COB Neon. (We don't recommend cutting the COB).

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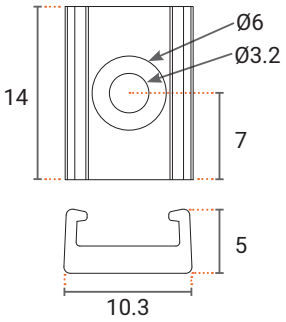
Bespoke NeoLED IP65 Waterproof COB Strip Range

Mounting Accessories & Dimensions (Unit: mm)

8mm
Mounting Clip

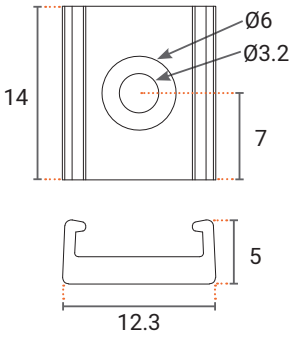


Dimensions
14 x 10.3 x 5



10mm
Mounting Clip

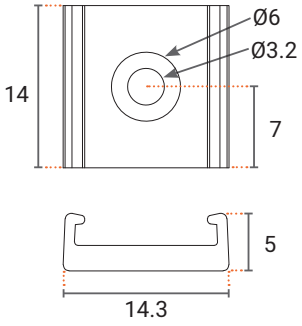
Dimensions
14 x 12.3 x 5



12mm
Mounting Clip

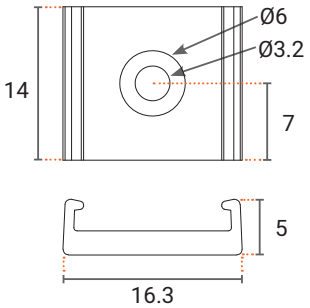


Dimensions
14 x 14.3 x 5



14mm
Mounting Clip

Dimensions
14 x 16.3 x 5



Our IP65-rated Bespoke COB LED Strip is compatible with a wide range of control protocols, including RF, ZigBee, DMX, and more. This allows for seamless integration into various lighting systems, offering flexibility and precision control for your installation.

For assistance with setup, we can provide detailed connection diagrams upon request. Simply contact our sales support team, who will be happy to guide you through the best control options for your project.

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