

COB

LED STRIP LIGHTS



ABOUT

WISMART

LED STRIP & LINEAR LIGHTING

SHENZHEN WISMART LIGHT TECHNOLOGY CO., LTD.

Wismart Light supplies LED strip and linear-lighting solutions for distributors, lighting brands, contractors and project buyers.

Product selection, samples, customization, production, packing and shipping.

FACTORY & TESTING



FACTORY EXTERIOR



LIGHTING TEST LAB

MANUFACTURING & QUALITY ASSURANCE

FACTORY & QUALITY



MATERIAL PREPARATION



SOLDER PASTE PRINTING



SMT PLACEMENT



OPTICAL TESTING



WATERPROOF TESTING



PACKING & SHIPPING

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COB MONO COLOR STRIP SERIES



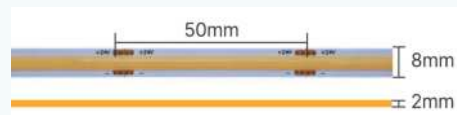
COB MONO COLOR STRIP SERIES



320LED



480LED



DIMENSION DRAWING

SPECIFICATIONS

Model	LED Qty	Voltage	Cut Length	Width	Color	LM/W (±10%)	Power	RA	Length
	312LED	12V	38.46MM	8MM	3000K ± 150K	≥70lm/W	11W/M	≥90	10 M/Roll
	312LED	24V	38.46MM	8MM	4000K ± 150K / 6000K ± 150K	≥70lm/W	11W/M	≥90	10 M/Roll
	320LED	12V	25MM	8MM	3000K ± 150K	≥80lm/W	8W/M	≥80	5 M/Roll
	320LED	24V	50MM	8MM	4000K ± 150K / 6000K ± 150K	≥80lm/W	8W/M	≥80	10 M/Roll
	320LED	12V	25MM	8MM	3000K ± 150K	≥80lm/W	8W/M	≥80	10 M/Roll
	480LED	12V	25MM	8MM	3000K ± 150K	>90lm/W	10.5W/M	≥90	5 M/Roll
	480LED	24V	50MM	8MM	4000K ± 150K / 6000K ± 150K	>90lm/W	10.5W/M	≥90	5 M/Roll
WS-COB-01-002	320LED	12V	25MM	8MM	2700K ± 150K / 3000K ± 150K	≥90lm/W	8W/M	≥90	5 M/Roll
	320LED	24V	50MM	8MM	4000K ± 150K / 6000K ± 150K	≥90lm/W	8W/M	≥90	5 M/Roll
	384LED	12V	41.66MM	8MM	2700K ± 150K / 3000K ± 150K	≥90lm/W	10W/M	≥90	5 M/Roll
	384LED	24V	41.66MM	8MM	4000K ± 150K / 6000K ± 150K	≥90lm/W	10W/M	≥90	5 M/Roll
	480LED	12V	25MM	8MM	2700K ± 150K / 3000K ± 150K	≥90lm/W	11W/M	≥90	5 M/Roll
	480LED	24V	50MM	8MM	4000K ± 150K / 6000K ± 150K	≥90lm/W	11W/M	≥90	5 M/Roll
	320LED	5V	50MM	8MM	6000K ± 150K	≥90lm/W	14W/M	≥80	5 M/Roll
	320LED	5V	50MM	8MM	3000K ± 150K / 4000K ± 150K	≥90lm/W	8W/M	≥80	5 M/Roll

Power tolerance: ±10%.

COB MONO COLOR STRIP SERIES

10MM



528LED

SPECIFICATIONS

Model	LED Qty	Voltage	Cut Length	Width	Color	LM/W (±10%)	Power	RA	Length
	528LED	12V	22.73MM	10MM	2800K-3200K	>90lm/W	14W/M	≥90	5 M/Roll
WS-COB-01-001	528LED	24V	45.45MM	10MM	3900K-4100K / 6000K-6500K	>90lm/W	14W/M	≥90	5 M/Roll
	528LED	12V/24V	45.45MM	10MM	2700K ± 150K / 3000K ± 150K 4000K ± 150K / 6000K ± 150K	≥100lm/W	14W/M	≥90	5 M/Roll

Power tolerance: ±10%.

COB MONO COLOR STRIP SERIES

FREE CUT



FREE-CUT SERIES

SPECIFICATIONS

Model	LED Qty	Voltage	Cut Length	Width	Color	Power	RA	Length
	528LED	12V	Free Cut	8MM	2700K / 3000K / 4000K / 6000K	13W/M	≥90	5 M/Roll
WS-COB-04-001	528LED	24V	Free Cut	8MM	2700K / 3000K / 4000K / 6000K	13W/M	≥90	5 M/Roll
	528LED	12V	Free Cut	8MM	3000K ± 150K / 4000K ± 150K / 6000K ± 150K	13W/M	≥90	5 M/Roll

Luminous efficacy: ≥70 lm/W for the 3000K ± 150K / 4000K ± 150K / 6000K ± 150K option.

Power tolerance: ±10%.

COB MONO COLOR STRIP SERIES

SOLDERLESS SERIES

Model	LED Qty	Voltage	Cut Length	Width	Power	RA	Length
WS-COB-08-007	320LED	12V	12.5MM	6.6MM	7W/M	≥90	10 M/Roll

Model	Color	Construction
WS-COB-08-007	2800K-3200K / 3900K-4100K / 6000K-6500K	Solderless / pre-tinned PCB

LONG-RUN / HIGH-EFFICACY SERIES

Model	LED Qty	Voltage	Cut Length	Width	Power	RA	Length
WS-COB-08-001	384LED	24V	31.25MM	8MM	10W/M	≥90	10 M/Roll
	384LED	24V	31.25MM	8MM	10W/M	≥90	15 M/Roll
	384LED	24V	31.25MM	8MM	10W/M	≥90	20 M/Roll
WS-COB-02-001	480LED	24V	50MM	10MM	14.5W/M	≥90	10 M/Roll
WS-COB-08-002	480LED	24V	50MM	8MM	7.5W/M	≥90	20 M/Roll

Model	Color	LM/W (±10%)	Construction
WS-COB-08-001	3000K ± 150K / 4000K ± 150K / 6000K ± 150K	≥90lm/W	No Voltage Drop
	2600K-2800K / 2800K-3200K / 3850K-4250K / 6100K-6600K	>80lm/W	15m No Voltage Drop
	2700K ± 150K / 3000K ± 150K / 4000K ± 150K / 6000K ± 150K	≥90lm/W	20m No Voltage Drop
WS-COB-02-001	2600K-2800K / 2900K-3200K / 3900K-4300K / 6000K-6500K	>140lm/W	
WS-COB-08-002	2600K-2800K / 2900K-3200K / 3900K-4300K / 6000K-6500K	>100lm/W	Constant Current



WS-COB-08-002

Constant Current

Power tolerance: ±10%.

COB ULTRA NARROW STRIP SERIES



COB ULTRA NARROW STRIP SERIES

2.7MM / 3MM



ULTRA NARROW

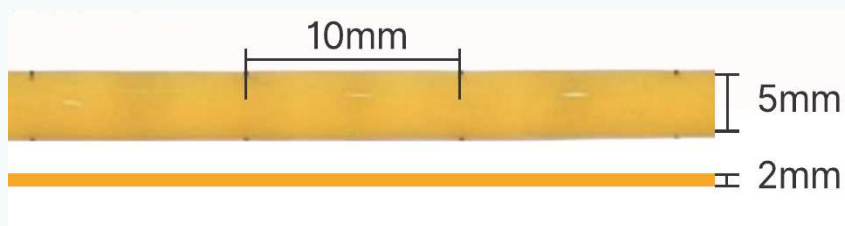
SPECIFICATIONS

Model	LED Qty	Voltage	Cut Length	Width	Color	LM/W (±10%)	Power	RA	Length
WS-COB-03-001	400LED	5V	10MM	2.7MM	2900K-3200K / 3900K-4300K 6000K-6500K	>60lm/W	5.5W/M	≥90	5 M/Roll
	400LED	12V	10MM	2.7MM	2900K-3200K	>80lm/W	7W/M	≥90	5 M/Roll
	400LED	24V	20MM	2.7MM	3900K-4300K / 6000K-6500K	>80lm/W	7W/M	≥90	5 M/Roll
WS-COB-03-002	400LED	5V	10MM	3MM	2900K-3200K / 3900K-4300K 6000K-6500K	>60lm/W	5.5W/M	≥90	5 M/Roll
	400LED	12V	10MM	3MM	2900K-3200K	>80lm/W	7W/M	≥90	5 M/Roll
	400LED	24V	20MM	3MM	3900K-4300K / 6000K-6500K	>80lm/W	7W/M	≥90	5 M/Roll
	384LED	12V	20.83MM	3MM	2700K ± 150K / 3000K ± 150K	≥90lm/W	7W/M	≥90	5 M/Roll
	384LED	24V	41.66MM	3MM	4000K ± 150K / 6000K ± 150K	≥90lm/W	7W/M	≥90	5 M/Roll

Power tolerance: ±10%.

COB ULTRA NARROW STRIP SERIES

4MM / 5MM



DIMENSION DRAWING

SPECIFICATIONS

Model	LED Qty	Voltage	Cut Length	Width	Color	LM/W (±10%)	Power	RA	Length
WS-COB-03-003	400LED	5V	10MM	4MM	2900K-3200K / 3900K-4300K 6000K-6500K	>60lm/W	5.5W/M	≥90	5 M/Roll
	400LED	12V	10MM	4MM	2900K-3200K	>80lm/W	10W/M	≥90	5 M/Roll
	400LED	24V	20MM	4MM	3900K-4300K / 6000K-6500K	>80lm/W	10W/M	≥90	5 M/Roll
WS-COB-03-004	400LED	5V	10MM	5MM	2900K-3200K / 3900K-4300K 6000K-6500K	80lm/W	8W/M	≥90	5 M/Roll
	400LED	12V	10MM	5MM	2900K-3200K	80lm/W	10W/M	≥90	5 M/Roll
	400LED	24V	20MM	5MM	3900K-4300K / 6000K-6500K	80lm/W	10W/M	≥90	5 M/Roll
	384LED	12V	20.83MM	5MM	2700K ± 150K / 3000K ± 150K	≥90lm/W	10W/M	≥90	5 M/Roll
	384LED	24V	41.66MM	5MM	4000K ± 150K / 6000K ± 150K	≥90lm/W	10W/M	≥90	5 M/Roll

Power tolerance: ±10%.

COB MULTI-ROW LIGHT STRIP SERIES



COB MULTI-ROW LIGHT STRIP SERIES



DOUBLE ROW



TRIPLE ROW



FIVE ROW

ELECTRICAL & MECHANICAL

Model	LED Qty	Voltage	Cut Length	Width	Power	Length
WS-COB-08-003	600LED	24V	20MM	12MM	24W/M	5 M/Roll
	960LED	24V	33.3MM	12MM	28W/M	5 M/Roll
WS-COB-08-004	960LED	24V	50MM	15MM	25W/M	5 M/Roll
WS-COB-08-005	1600LED	24V	25MM	30MM	40W/M	5 M/Roll

Model	LM/W (±10%)	RA	Rows
WS-COB-08-003	>80lm/W	≥90	Double row
	>90lm/W	≥90	Double row
WS-COB-08-004	>90lm/W	≥90	Triple row
WS-COB-08-005	>90lm/W	≥90	Five rows

COLOR OPTIONS

DOUBLE ROW: 2600K-2800K / 2800K-3200K / 3850K-4250K / 6100K-6600K

TRIPLE ROW: 2800K-3200K / 3850K-4250K / 6100K-6600K

FIVE ROW: 2800K-3200K / 3850K-4250K / 6100K-6600K

Power tolerance: ±10%.

COB RGB, RGBW, RGBCW STRIP SERIES



COB RGB, RGBW, RGBCW STRIP SERIES

RGB



RGB SERIES

SPECIFICATIONS

Model	Color	LED Qty	Voltage	Cut Length	Width	Power	Length
WS-COB-06-005	RGB	576LED	12V	31.25MM	10MM	14W/M	5 M/Roll
	RGB	576LED	24V	31.25MM	10MM	14W/M	5 M/Roll
WS-COB-06-006	RGB	576LED	12V/24V	31.25MM	5MM	10W/M	5 M/Roll
	RGB	576LED	5V	20.83MM	5MM	10W/M	5 M/Roll
WS-COB-06-007	RGB	576LED	5V	20.83MM	8MM	7W/M	5 M/Roll
	RGB	576LED	12V	31.25MM	8MM	10W/M	5 M/Roll
	RGB	576LED	24V	62.5MM	10MM	14W/M	5 M/Roll
	RGB	756LED	12V	23.81MM	10MM	14W/M	5 M/Roll
WS-COB-06-005	RGB	768LED	24V	31.26MM	10MM	14W/M	5 M/Roll
	RGB	810LED	12V	33.33MM	10MM	14W/M	5 M/Roll
	RGB	840LED	24V	50MM	10MM	14W/M	5 M/Roll
WS-COB-06-003	RGB	1080LED	24V	50MM	12MM	14W/M	5 M/Roll

Power tolerance: $\pm 10\%$.

COB RGB, RGBW, RGBCW STRIP SERIES

RGBW / RGBCW



RGBW

WS-COB-06-002



RGBCW

WS-COB-06-001

SPECIFICATIONS

Model	Color	LED Qty	Voltage	Cut Length	Width	Power	Length
WS-COB-06-002	RGBW	784LED	24V	71.42MM	12MM	19W/M	5 M/Roll
WS-COB-06-001	RGBCW	840LED	24V	35.71MM	12MM	21W/M	5 M/Roll
	RGBCW	720LED	24V	83.33MM	12MM	21W/M	5 M/Roll

Power tolerance: $\pm 10\%$.

COB RGB, RGBW, RGBCW SPI SERIES

RGB SPI



RGB SPI SERIES

SPECIFICATIONS

Model	Color	LED Qty	Voltage	Cut Length	Width	Power	Control IC	Length
WS-COB-07-006	RGB	160LED	5V	12.5MM	5MM	14W/M $\pm 10\%$	1838 (built-in)	5 M/Roll
	RGB	360LED	24V	100MM	10MM	10W/M $\pm 10\%$	JD36703A	5 M/Roll
	RGB	432LED	12V	62.5MM	10MM	8W/M (all channels on)	WS2811	5 M/Roll
	RGB	420LED	24V	100MM	10MM	10W/M (all channels on)	WS2811	5 M/Roll
WS-COB-07-004	RGB	576LED	12V	62.5MM	10MM	10W/M $\pm 10\%$	2811	5 M/Roll
	RGB	576LED	24V	62.5MM	10MM	18W/M $\pm 10\%$	2811	5 M/Roll
	RGB	720LED	12V	50MM	10MM	10W/M $\pm 10\%$	2811	5 M/Roll
	RGB	720LED	24V	50MM	10MM	19W/M $\pm 10\%$	2811	5 M/Roll
	RGB	720LED	12V	50MM	12MM	12W/M $\pm 10\%$	2811	5 M/Roll
WS-COB-07-005	RGB	720LED	24V	50MM	12MM	21W/M $\pm 10\%$	2811	5 M/Roll
	RGB	720LED	12V	50MM	12MM	12W/M $\pm 10\%$	2818	5 M/Roll
	RGB	720LED	24V	50MM	12MM	21W/M $\pm 10\%$	2818	5 M/Roll

COB RGB, RGBW, RGBCW SPI SERIES

RGBW / RGBCW SPI



RGBW



RGBIC + W



RGBCW

SPECIFICATIONS

Model	Color	LED Qty	Voltage	Cut Length	Width	Power	Control IC	Length
WS-COB-07-003	RGBW	784LED	24V	71.43MM	10MM	21W/M	2814	5 M/Roll
	RGBIC + W	480LED	24V	100MM	10MM	17W/M	2811	5 M/Roll
WS-COB-07-002	RGBCW	840LED	24V	71.42MM	15MM	29W/M	2805	5 M/Roll

COB SINGLE / DUAL COLOR SPI SERIES



SINGLE / DUAL COLOR SPI

SPECIFICATIONS

Model	Color	LED Qty	Voltage	Cut Length	Width	Power	Control IC	Length
WS-COB-07-008	3000K $\pm$ 150K 4000K $\pm$ 150K 6400K $\pm$ 300K	360LED	24V	83MM	10MM	12W/M	2811	5 M/Roll
WS-COB-07-001	CCT (2700K $\pm$ 150K / 6500K $\pm$ 250K)	576LED	24V	41.66MM	10MM	19W/M	2811	5 M/Roll

Power tolerance: $\pm$ 10%.

COB SIDE-EMITTING STRIP LIGHT SERIES



SIDE-EMITTING SERIES

SPECIFICATIONS

Model	Color	LED Qty	Voltage	Cut Length	Width	Power	Length
WS-COB-08-006	3000K 4000K 6000K	480LED	24V	33.33MM	8MM	10W/M	5 M/Roll
WS-COB-06-004	RGB	630LED	24V	33.33MM	8MM	10W/M	5 M/Roll
WS-COB-07-007	RGB	630LED	24V	100MM	8MM	11W/M	5 M/Roll

Addressable model WS-COB-07-007: 2811 control IC.

Power tolerance: $\pm 10\%$.

COB CCT LED STRIP SERIES



2-wire CCT COB

WS-COB-05-005

Solderless / pre-tinned PCB

WS-COB-05-003

Dam encapsulation

SPECIFICATIONS

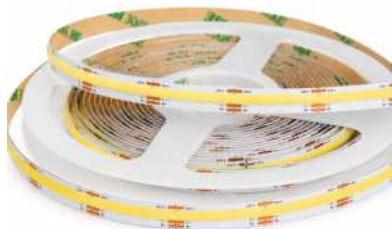
2-wire

Model	LED Qty	Voltage	Width	Cut Length	Power	Length	Color
WS-COB-05-005	480LED	12V	6.6MM	12.5MM	7+7W/M	5 M/Roll	2700K ± 150K / 6500K ± 250K
WS-COB-05-003	576LED	24V	8MM	41.66MM	10+10W/M	10 M/Roll	2600K-2800K / 6000K-6500K
WS-COB-05-001	600LED	12V	5MM	10MM	7+7W/M		2700K / 6500K
	600LED	24V	5MM	20MM	7+7W/M	5 M/Roll	
WS-COB-05-002	600LED	24V	8MM	20MM	7+7W/M		CCT

Power tolerance: ±10%.

COB CCT LED STRIP SERIES

3-wire CCT COB



WS-COB-05-009

Dam encapsulation

WS-COB-05-006 / WS-COB-05-008

624LED, 24V: 10m No Voltage Drop

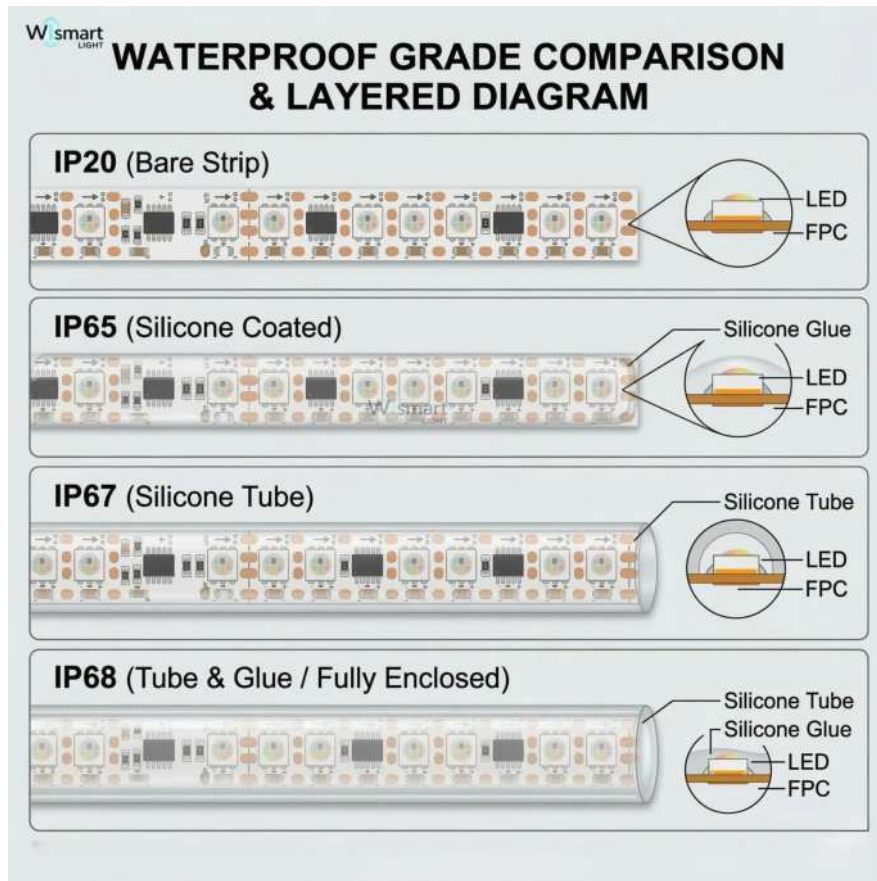
SPECIFICATIONS

3-wire

Model	LED Qty	Voltage	Width	Cut Length	Power	Length	CCT Range
WS-COB-05-009	576LED	24V	8MM	41.66MM	10+10W/M	10 M/Roll	2600-6500K
WS-COB-05-007	608LED	12V	5MM	26.31MM	6+6W/M	5 M/Roll	2700-6000K
	608LED	24V	5MM	26.31MM	6+6W/M	5 M/Roll	2700-6000K
WS-COB-05-008	608LED	12V	8MM	13.16MM	6+6W/M	5 M/Roll	2700-6000K
	608LED	24V	8MM	26.31MM	6+6W/M	5 M/Roll	2700-6000K
WS-COB-05-006	608LED	12V/24V	10MM	26.31MM	7+7W/M	5 M/Roll	2700-6000K
	624LED	24V	10MM	19.26MM	7+7W/M	10 M/Roll	2700-6000K
WS-COB-05-008	624LED	24V	8MM	19.26MM	7+7W/M	10 M/Roll	2700-6000K
WS-COB-05-006	640LED	5V	10MM	12.5MM	5+5W/M	5 M/Roll	2600-6750K
	640LED	12V/24V	10MM	25MM	8+8W/M	5 M/Roll	2600-6750K

Power tolerance: $\pm 10\%$.

Available Waterproof Grade



CONSTRUCTION OPTIONS

IP20 Bare Strip

IP65 Silicone Coated

IP67 Silicone Tube

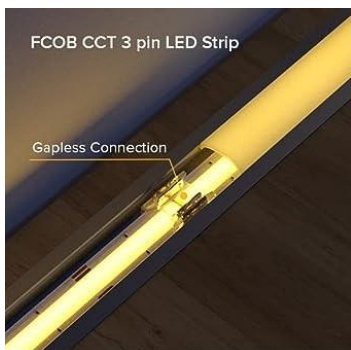
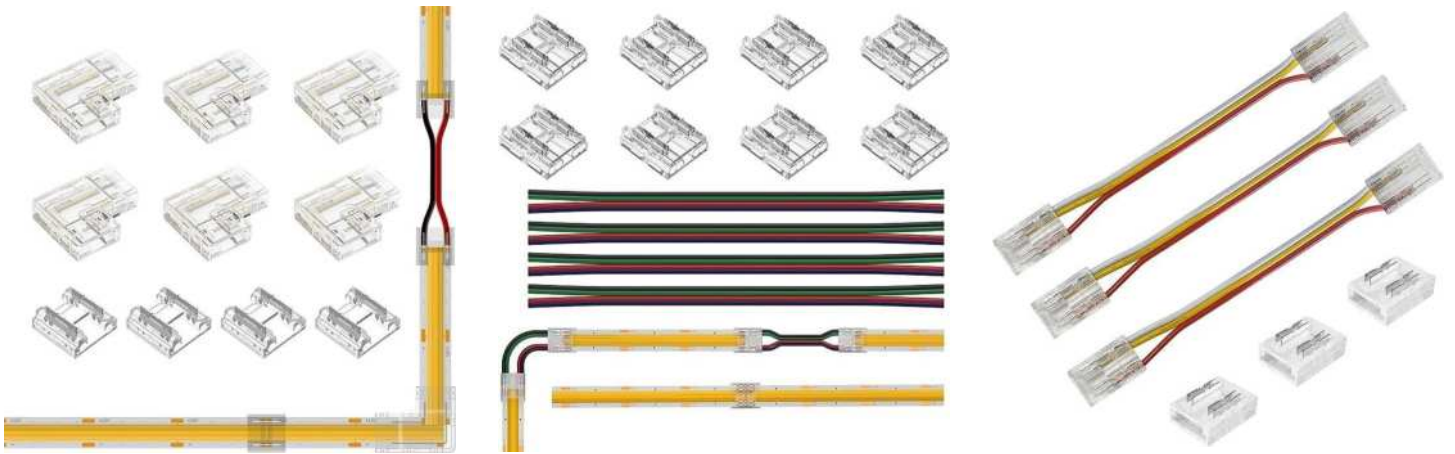
IP68 Tube & Glue

Available IP ratings vary by model.

COB STRIP LIGHT TO STRIP CONNECTORS



Light Source Type	Material	Mounting Type	Size
LED	Copper	Insert	5mm/8mm/10mm



COB STRIP ACCESSORIES

Piercing Connectors

COB / SMD | Strip-to-wire / Strip-to-strip

Connector	Pins	PCB Width	Rated Voltage	Rated Current
	2	5mm	DC48V	4A
	2	8mm	DC48V	6A
	2	10mm	DC48V	6A
	3	10mm	DC48V	6A
	4	10mm	DC48V	4A
	5	12mm	DC48V	4A
	6	12mm	DC48V	4A

Front Wiring



CONTACT WISMART LIGHT

Send the selected WS model, application, specification and quantity for quotation.



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