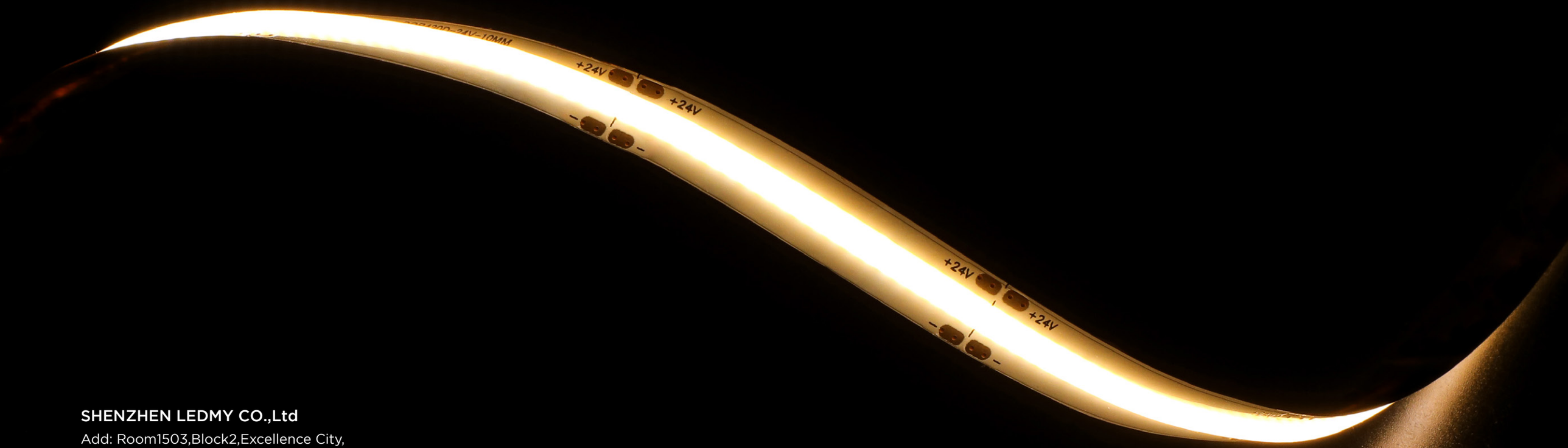
Ledmy



COB SERIES

2024-2025

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COB Honor Series

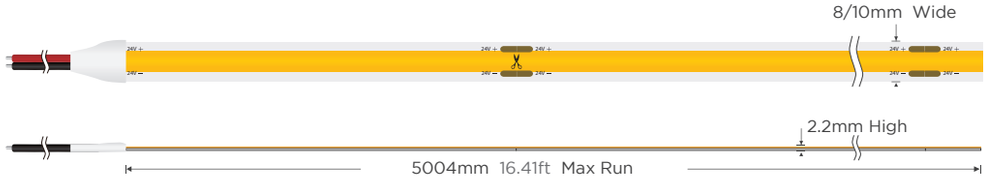
Weldless PCB

DC12V/24V
Bigger chip, high efficacy
More stable
Dots-free, uniform lights

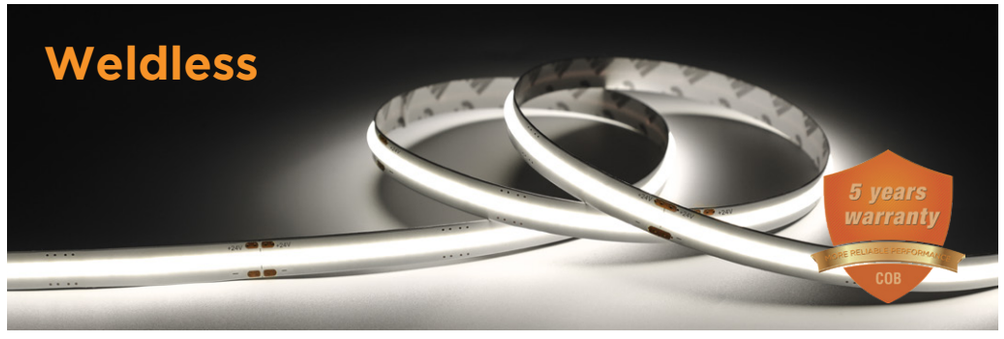
COB Honor / White

	320LEDS/M 8W	400LEDS/M 12W
Product NO.	FH08W-P0-G1 COB9X 24V320S W08RL05	FH12W-P0-G1 COB9X 24V400S W10RL05
Power	8W/M 2.4W/ft	12W/M 3.66W/ft
Voltage	DC24V/DC12V	DC24V/DC12V
CRI	90	90
Led Qty	320LEDs/m 97LEDs/ft	400LEDs/M 121LEDs/ft
Length/Reel	5004mm 16.41ft	5004mm 16.41ft
Cutting Length	50mm 1.97″	100mm 3.92″
IP Grade	IP20 / IP65 / IP68	IP20 / IP65 / IP68
Lumens		
2700K	745lm/m 227lm/ft	1060lm/m 323lm/ft
3000K	810lm/m 246lm/ft	1080lm/m 329lm/ft
4000K	840lm/m 256lm/ft	1285lm/m 391lm/ft
6500K	840lm/m 256lm/ft	1285lm/m 391lm/ft

Dimension



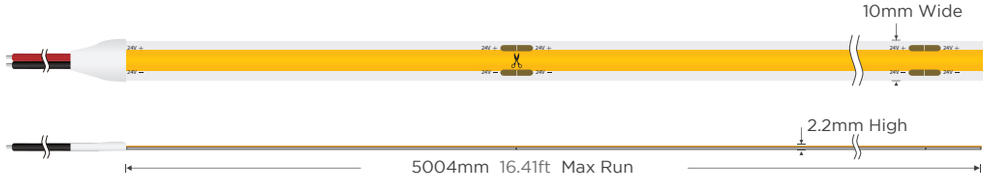
COB Honor (Weldless) Series · White (DC12/24V)



COB Honor / White

	480LEDS/M 15W
Product NO.	FH15W-P0-G1 COB9X 24V480S W10RL05
Power	15W/M 4.57W/ft
Voltage	DC24V/DC12V
CRI	90
Led Qty	480LEDs/M 146LEDs/ft
Length/Reel	5004mm 16.41ft
Cutting Length	50mm 1.97″
IP Grade	IP20 / IP65 / IP68
Lumens	
2700K	1350lm/m 411lm/ft
3000K	1440lm/m 439lm/ft
4000K	1440lm/m 439lm/ft
6500K	1440lm/m 439lm/ft

Dimension



COB Honor / R/G/B/Y

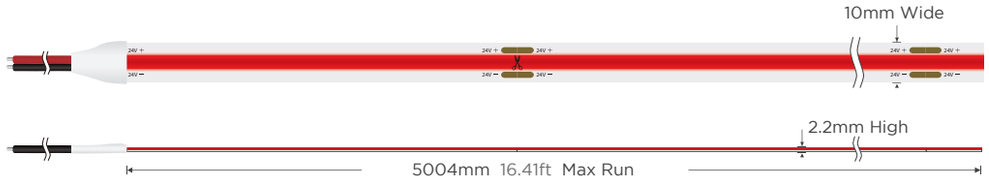
480LEDS/M 10W

Product NO.	FH10M-P0-G1 COBX 24V480S W10RL05
Power	10W/M 3.04W/ft
Voltage	DC24V
CRI	-
Led Qty	480LEDs/M 146LEDs/ft
Length/Reel	5004mm 16.41ft
Cutting Length	50mm 1.97"
IP Grade	IP20 / IP65 / IP68

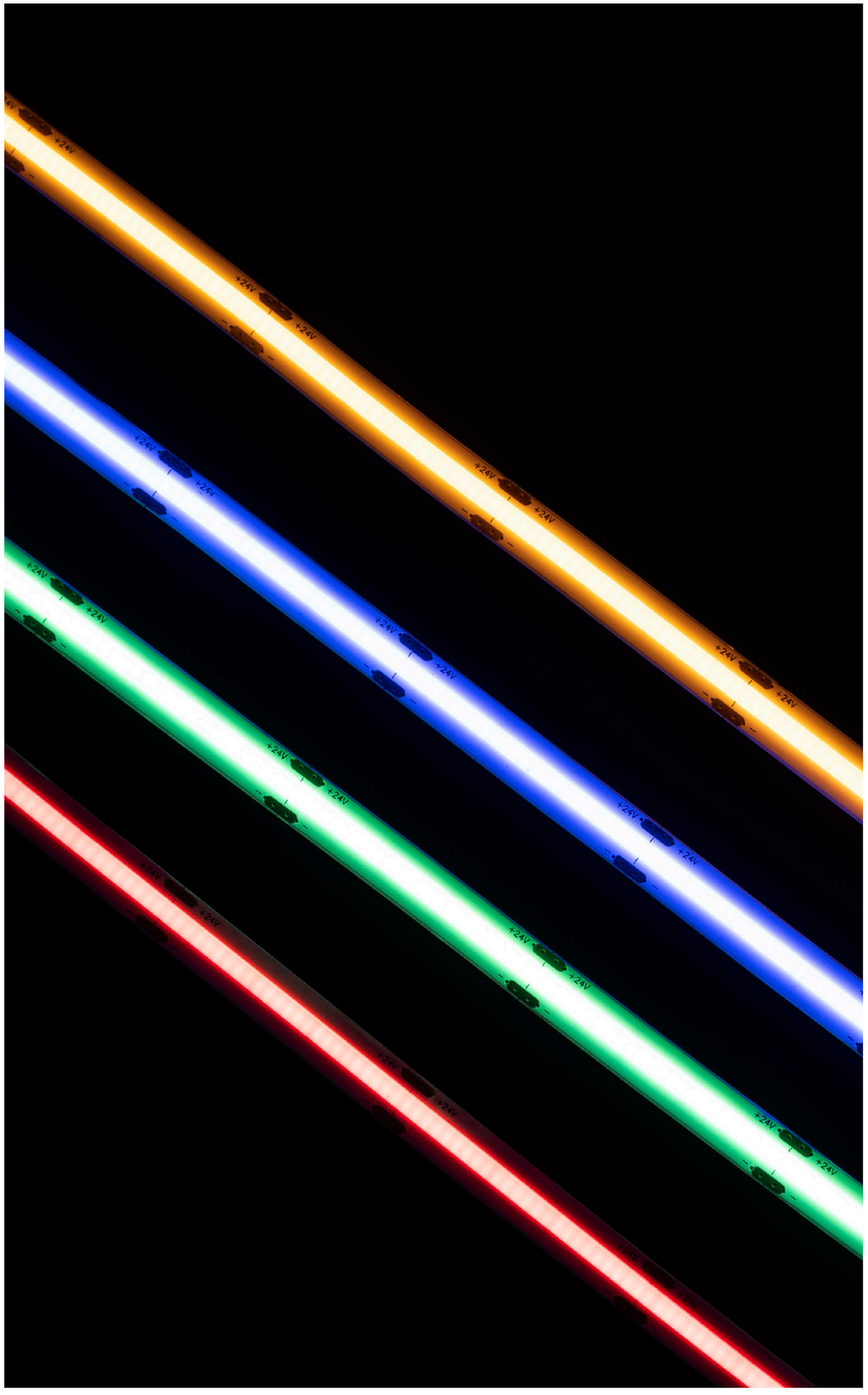
Lumens

Red	68lm/m	20lm/ft	Lp=660-670nm
Green	1180lm/m	359lm/ft	Lp=520-530nm
Blue	175lm/m	53lm/ft	Lp=455-465nm
Yellow	800lm/m	244lm/ft	Ld=588-598nm

Dimension

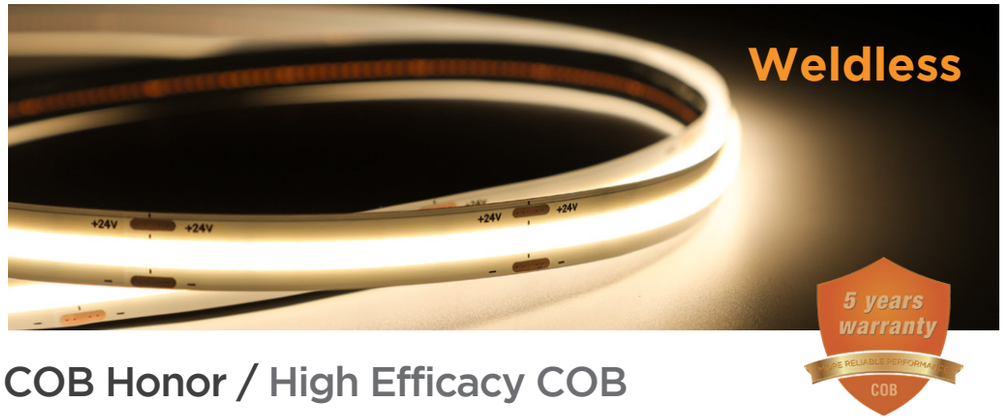


COB Honor (Weldless) Series · R/G/B/Y



High Efficacy COB
Up to 140lm/W

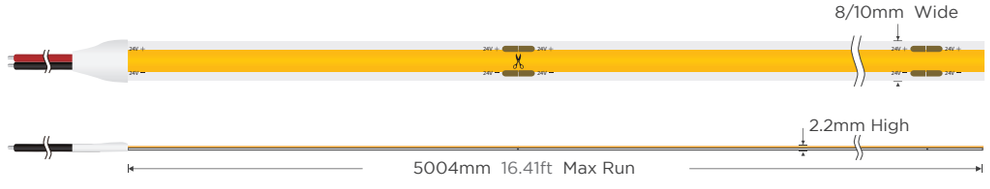
Light efficiency increased by 30%



COB Honor / High Efficacy COB

	320LEDS/M 8W	480LEDS/M 15W
Product NO.	FH08W-P0-G1 COBH9X 24V320S W08RL05	FH15W-P0-G1 COBH9X 24V480S W10RL05
Power	8W/M 2.4W/ft	15W/M 4.57W/ft
Voltage	DC24V	DC24V
CRI	90	90
Led Qty	320LEDs/m 97LEDs/ft	480LEDs/M 146LEDs/ft
Length/Reel	5004mm 16.41ft	5004mm 16.41ft
Cutting Length	50mm 1.97″	50mm 1.97″
IP Grade	IP20 / IP65 / IP68	IP20 / IP65 / IP68
Lumens		
2700K	960lm/m 293lm/ft	1800lm/m 549lm/ft
3000K	1040lm/m 317lm/ft	1890lm/m 576lm/ft
4000K	1120lm/m 341lm/ft	2025lm/m 617lm/ft
6500K	1120lm/m 341lm/ft	2025lm/m 617lm/ft

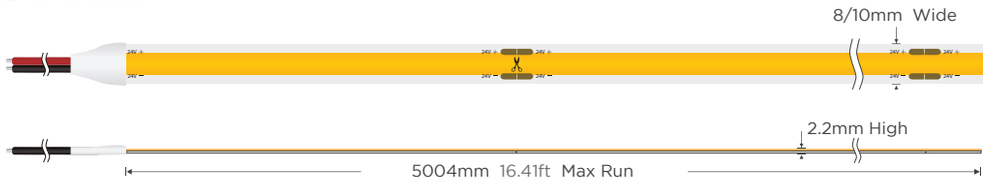
Dimension



COB Essential / High Efficacy COB

	320LEDS/M 8W	480LEDS/M 12W
Product NO.	FE08W-P0-G1 COBH9X 24V320S W08RL05	FE12W-P0-G1 COBH9X 24V480S W10RL05
Power	8W/M 2.4W/ft	12W/M 3.65W/ft
Voltage	DC24V	DC24V
CRI	90	90
Led Qty	320LEDs/m 97LEDs/ft	480LEDs/M 146LEDs/ft
Length/Reel	5004mm 16.41ft	5004mm 16.41ft
Cutting Length	50mm 1.97″	50mm 1.97″
IP Grade	IP20 / IP65 / IP68	IP20 / IP65 / IP68
Lumens		
2700K	960lm/m 293lm/ft	1465lm/m 447lm/ft
3000K	1030lm/m 314lm/ft	1560lm/m 476lm/ft
4000K	1080lm/m 329lm/ft	1655lm/m 504lm/ft
6500K	1120lm/m 341lm/ft	1680lm/m 512lm/ft

Dimension



COB Honor (Weldless) Series · Ultra-Long

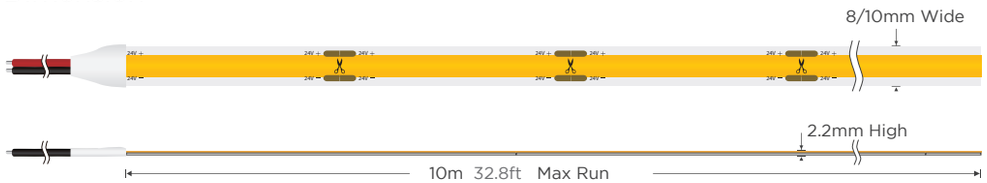
COB Honor / COB Ultra-Long

	10m 336LEDS/M 5.8W	15m 420LEDS/M 4.8W
Product NO.	FH06W-P0-G1 COB9x 24VC336S W08RL10	FH05W-P0-G1 COB9x 24VC420S W10RL15
Power	5.8W/M 1.77W/ft	4.8W/M 1.46W/ft
Voltage	DC24V	DC24V
CRI	90	90
Led Qty	336LEDs/m 102LEDs/ft	420LEDs/M 128LEDs/ft
Length/Reel	10m 32.8ft	15m 49.21ft
Cutting Length	41.67mm 1.64″	25mm 0.98″
IP Grade	IP20 / IP65 / IP68	IP20 / IP65 / IP68
Lumens		
2700K	455lm/m 139lm/ft	395lm/m 120lm/ft
3000K	465lm/m 142lm/ft	405lm/m 123lm/ft
4000K	490lm/m 149lm/ft	425lm/m 130lm/ft
6500K	490lm/m 149lm/ft	425lm/m 130lm/ft

10m 560LEDS/M 9.6W

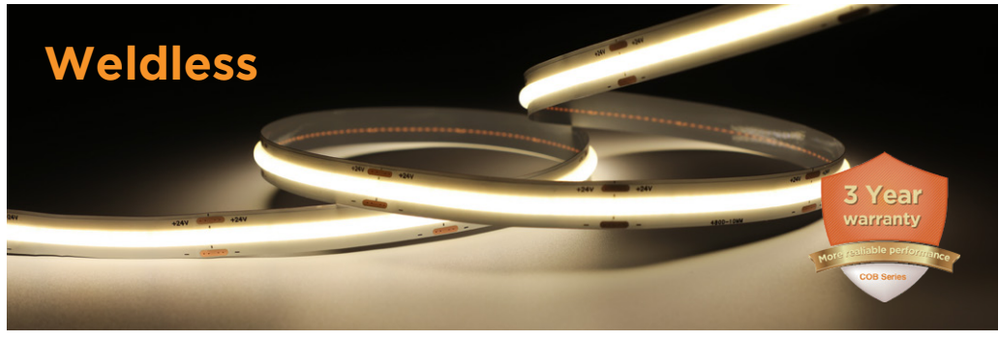
Product NO.	FH10W-P0-G1 COB9x 24VC560S W10RL10
Power	9.6W/M 2.93W/ft
Voltage	DC24V
CRI	90
Led Qty	560LEDs/M 170LEDs/ft
Length/Reel	10m 32.8ft
Cutting Length	25mm 0.98″
IP Grade	IP20 / IP65 / IP68
Lumens	
2700K	760lm/m 232lm/ft
3000K	770lm/m 235lm/ft
4000K	810lm/m 247lm/ft
6500K	810lm/m 247lm/ft

Dimension



COB Essential Series

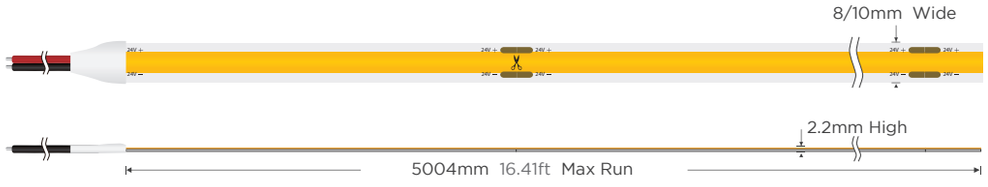
CRI90+, various CCT for optional,
RGB&Tunable are available.
Widely used in office, commercial household
and decoration lighting, etc.

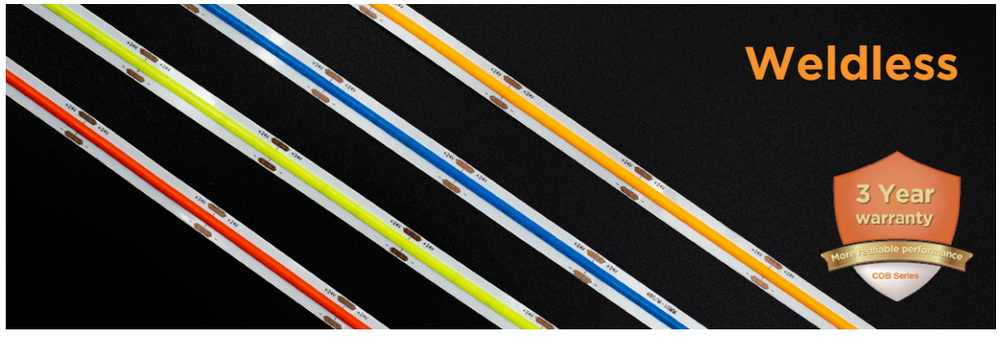


COB Essential / White (Weldless)

	320LEDS/M 8W	480LEDS/M 12W
Product NO.	FE08W-P0-G1 COB9X 24V320S W08RL05	FE12W-P0-G1 COB9X 24V480S W10RL05
Power	8W/M 2.4W/ft	12W/M 3.66W/ft
Voltage	DC24V	DC24V
CRI	90	90
Led Qty	320LEDs/M 97LEDs/ft	480LEDs/M 146LEDs/ft
Length/Reel	5004mm 16.41ft	5004mm 16.41ft
Cutting Length	50mm 1.96″	50mm 1.96″
IP Grade	IP20 / IP65 / IP68	IP20 / IP65 / IP68
Lumens		
2700K	736lm/m 224lm/ft	1044lm/m 318lm/ft
3000K	760lm/m 231lm/ft	1104lm/m 336lm/ft
4000K	864lm/m 263lm/ft	1212lm/m 369lm/ft
6500K	864lm/m 263lm/ft	1212lm/m 369lm/ft

Dimension

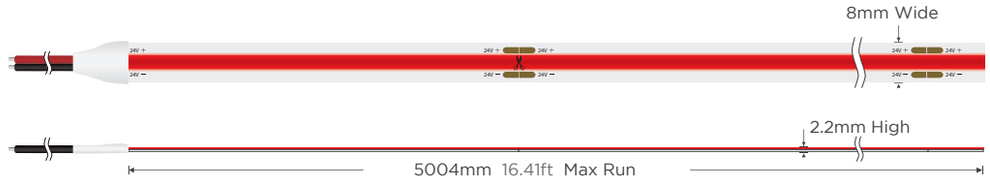


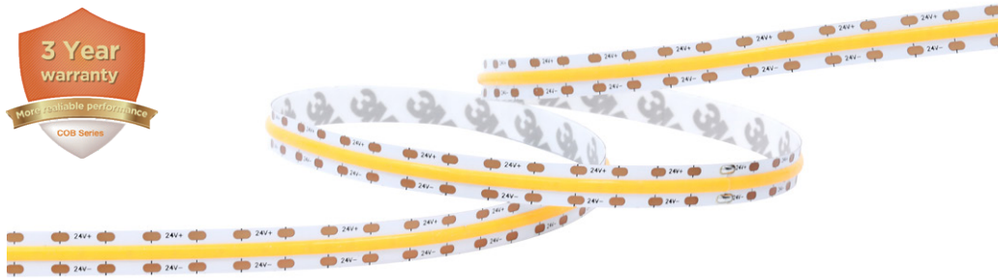


COB Essential / R/G/B/Y (Weldless)

	480LEDS/M 10W	
Product NO.	FE10M-P0-G1 COBX 24V480S W08RL05	
Power	10W/M 3.04W/ft	
Voltage	DC24V	
CRI	-	
Led Qty	480LEDs/M 146LEDs/ft	
Length/Reel	5004mm 16.41ft	
Cutting Length	50mm 1.97″	
IP Grade	IP20 / IP65 / IP68	
Lumens		
Red	70lm/m 21lm/ft	Lp=660-670nm
Green	1190lm/m 363lm/ft	Lp=520-530nm
Blue	150lm/m 46lm/ft	Lp=455-465nm
Yellow	900lm/m 274lm/ft	Ld=588-598nm

Dimension

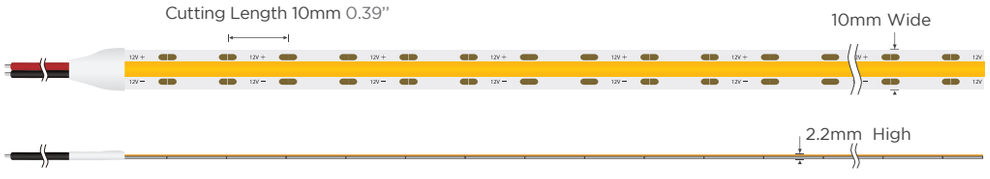




COB Essential / Mini cut

	300LEDS/M 10W	600LEDS/M 10W
Product NO.	FE10W-P0-G1 COB9x 12V300S W10L05	FE10W-P0-G1 COB9x 24V600S W10L05
Power	10W/M 3.04W/ft	10W/M 3.04W/ft
Voltage	DC12V	DC24V
CRI	90	90
Led Qty	300LEDs/M 91LEDs/ft	600LEDs/M 183LEDs/ft
Length/Reel	2500mm 8.36ft	5004mm 16.41ft
Cutting Length	10mm 0.39"	10mm 0.39"
IP Grade	IP20	IP20
Lumens		
2700K	650lm/m 198lm/ft	680lm/m 207lm/ft
3000K	720lm/m 219lm/ft	750lm/m 228lm/ft
4000K	850lm/m 259lm/ft	900lm/m 274lm/ft
6500K	800lm/m 244lm/ft	820lm/m 250lm/ft

Dimension



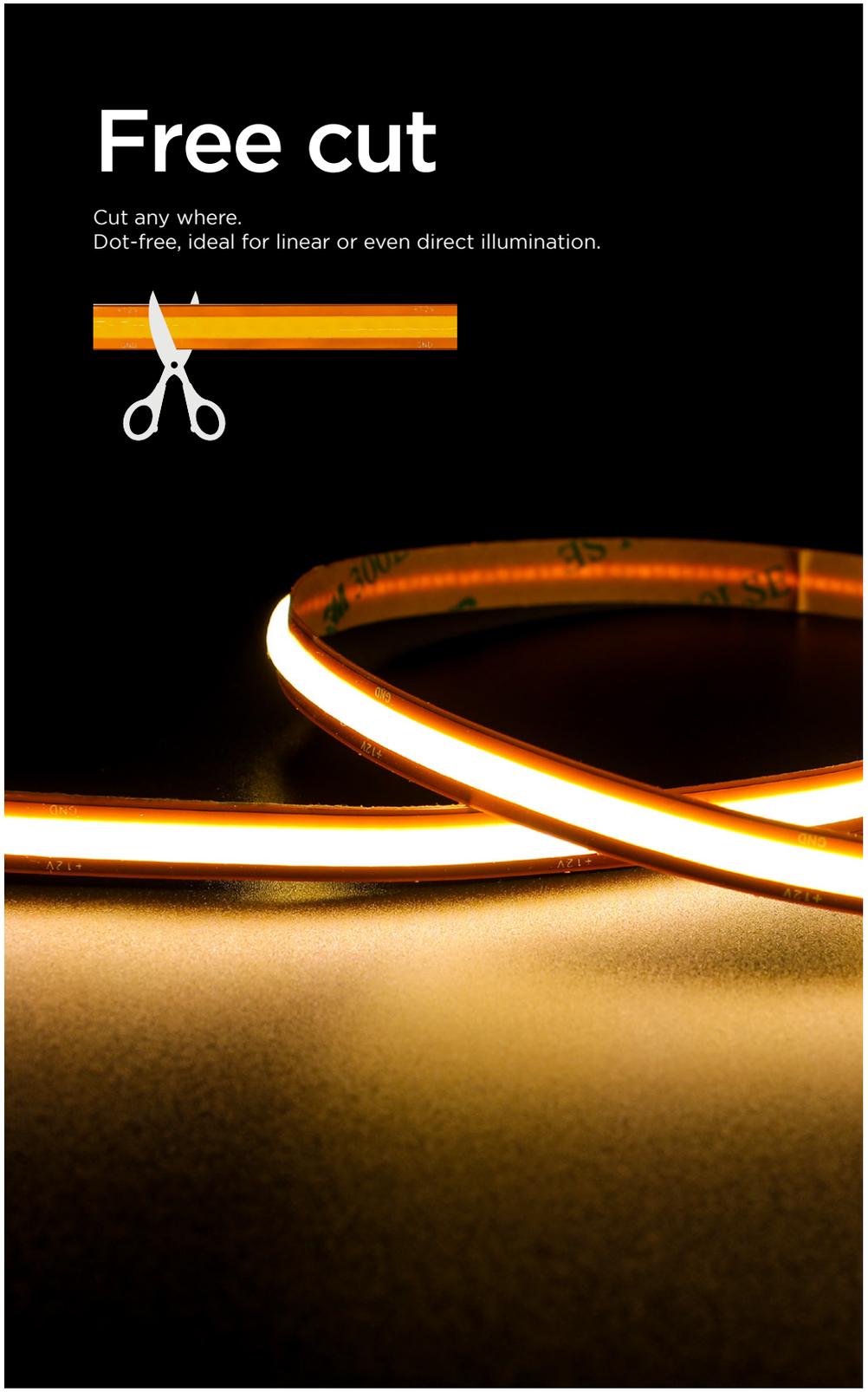
COB Essential / Free cut

	12V 528LEDS/M 13W	24V 528LEDS/M 13W
Product NO.	FE13W-P0-G1 COB9x 12V528S1 W08L05	FE13W-P0-G1 COB9x 24V528S1 W08L05
Power	13W/M 3.96W/ft	13W/M 3.96W/ft
Voltage	DC12V	DC24V
CRI	90	90
Led Qty	528LEDs/m 161LEDs/ft	528LEDs/m 161LEDs/ft
Length/Reel	5004mm 16.41ft	5004mm 16.41ft
Cutting Length	Free cut	Free cut
IP Grade	IP20 / IP65 / IP68	IP20 / IP65 / IP68
Lumens		
3000K	1170lm/m 357lm/ft	890lm/m 271lm/ft
4000K	1200lm/m 366lm/ft	910lm/m 277lm/ft
6500K	1200lm/m 366lm/ft	910lm/m 277lm/ft

Dimension

Free cut

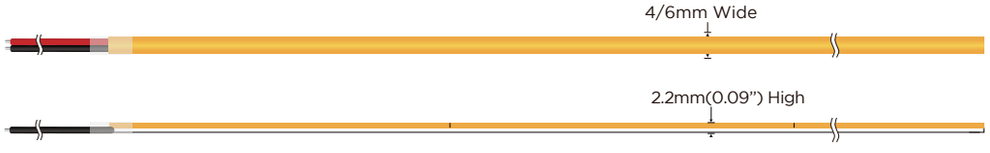
Cut any where.
Dot-free, ideal for linear or even direct illumination.

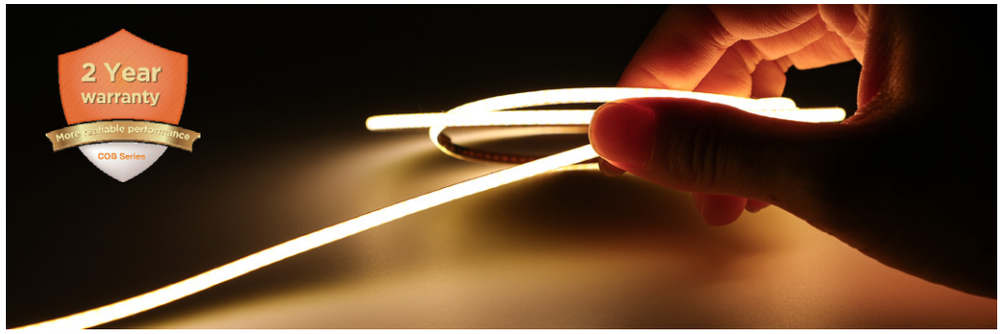


COB Essential / Mini PCB

	PCB 4mm / 4W	PCB 6mm / 6W
Product NO.	FE04W-P0-G1 COB9X 24V480S W04L2D5	FE06W-P0-G1 COB9X 24V480S W06L05
Power	4W/M 1.21W/ft	6W/M 1.82W/ft
Voltage	DC24V	DC24V
CRI	90	90
Led Qty	480LEDs/M 146LEDs/ft	480LEDs/M 146LEDs/ft
Length/Reel	2500mm 8.36ft	5004mm 16.41ft
Cutting Length	50mm 1.97″	50mm 1.97″
IP Grade	IP20	IP20
Lumens		
2700K	350lm/m 106lm/ft	480lm/m 146lm/ft
3000K	380lm/m 115lm/ft	580lm/m 176lm/ft
4000K	420lm/m 128lm/ft	630lm/m 192lm/ft
6500K	400lm/m 121lm/ft	600lm/m 182lm/ft

Dimension

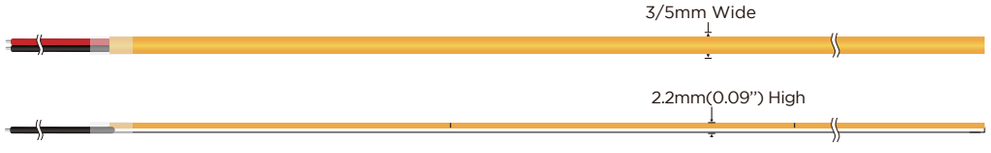




COB Essential / Mini PCB

	PCB 3mm / 7W	PCB 5mm / 7W
Product NO.	FE07W-P0-G1 COB9x 24V384S W03L2D5	FE07W-P0-G1 COB9x 24V384S W05L05
Power	7W/M 2.13W/ft	7W/M 2.13W/ft
Voltage	DC24V	DC24V
CRI	90	90
Led Qty	384LEDs/M 117LEDs/ft	384LEDs/M 117LEDs/ft
Length/Reel	2500mm 8.36ft	5004mm 16.41ft
Cutting Length	41.7mm 1.64″	41.7mm 1.64″
IP Grade	IP20	IP20
Lumens		
2700K	630lm/m 192lm/ft	630lm/m 192lm/ft
3000K	660lm/m 201lm/ft	660lm/m 201lm/ft
4000K	700lm/m 213lm/ft	700lm/m 213lm/ft
6500K	740lm/m 226lm/ft	740lm/m 226lm/ft

Dimension



COB Essential / Extra wide 30mm

IP20

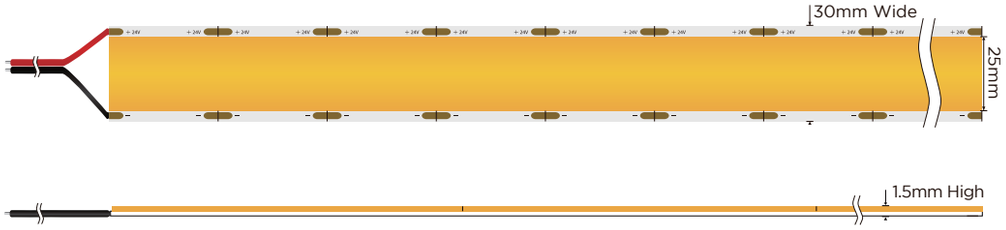
528LEDS/M 36W

Product NO.	FE36W-P0-G1 COB9x 24V1600S W30L05
Power	36W/M 10.97W/ft
Voltage	DC12V
CRI	90
Led Qty	1600LEDs/m 487LEDs/ft
Length/Reel	5004mm 16.41ft
Cutting Length	25mm
IP Grade	IP20

Lumens

3000K	4250lm/m 1296ft/m
4000K	4350lm/m 1326ft/m
6500K	4350lm/m 1326ft/m

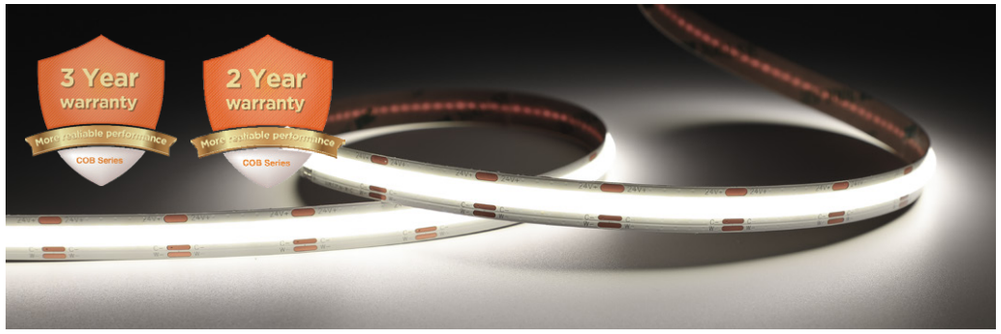
Dimension



Extra wide 30mm

Spots free without cover,ideal for linear and indirect lighting.
High Efficacy，RA>90, up to 120lm/W.

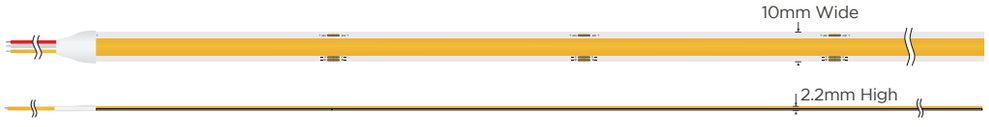
Emitting width 24mm

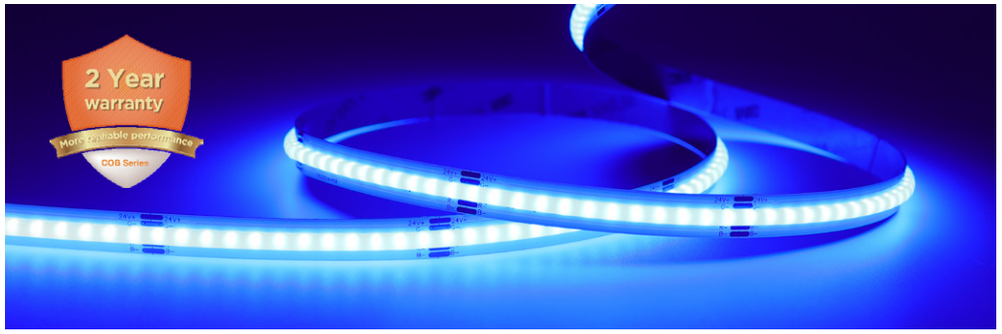


COB Essential / Colorful Tunable CCT

	840LEDS/M 20W	608LEDS/M 14W
Product NO.	FE20C-P0-G1 COB927965 24V840S W10L05	FE14C-P0-G1 COB92765 24V608S W10L05
Power	20W/M 6.09W/ft	14W/M 4.27W/ft
Voltage	DC24V	DC24V
CRI	90	90
Led Qty	840LEDs/M 256LEDs/ft	608LEDs/M 186LEDs/ft
Length/Reel	5004mm 16.41ft	5004mm 16.41ft
Cutting Length	50mm 1.97″	26.3mm 1.03″
IP Grade	IP20 / IP65 / IP68	IP20 / IP65 / IP68
Lumens		
2700K	840lm/m 256lm/ft	630lm/m 192lm/ft
6500K	1000lm/m 305lm/ft	770lm/m 235lm/ft

Dimension

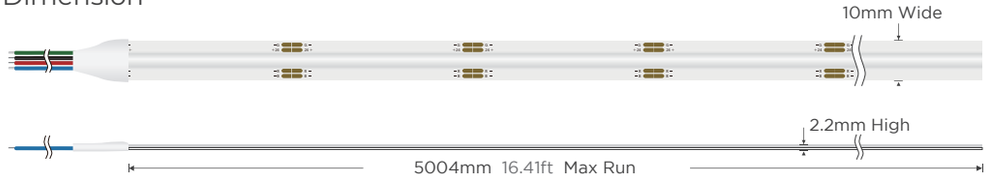




COB Essential / Colorful RGB

	576LEDS/M 14W	768LEDS/M 14W
Product NO.	FE14C-P0-G1 COBRGB 24V576S W10L05	FE14C-P0-G1 COBRGB 24V768S W10L05
Power	14W/M 4.27W/ft	14W/M 4.27W/ft
Voltage	DC24V	DC24V
CRI	-	-
Led Qty	576LEDs/M 176LEDs/ft	768LEDs/M 233LEDs/ft
Length/Reel	5004mm 16.41ft	5004mm 16.41ft
Cutting Length	62.5mm 2.46″	31.26mm 1.23″
IP Grade	IP20 / IP65 / IP68	IP20 / IP65 / IP68
Lumens		
Red	160lm/m 49lm/ft	180lm/m 55lm/ft
Green	330lm/m 100lm/ft	340lm/m 104lm/ft
Blue	60lm/m 18lm/ft	80lm/m 24lm/ft

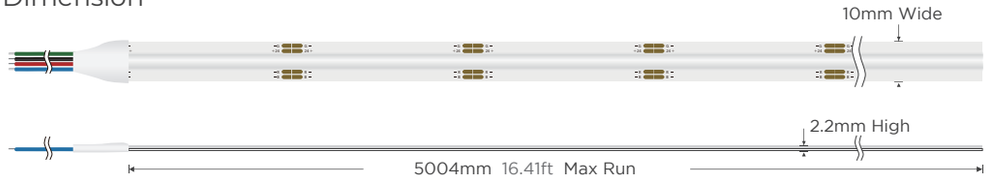
Dimension



COB Essential / Colorful RGB

	840LEDS/M 14W
Product NO.	FE14C-P0-G1 COBRGB 24V840S W10L05
Power	14W/M 4.27W/ft
Voltage	DC24V
CRI	-
Led Qty	840LEDs/M 256LEDs/ft
Length/Reel	5004mm 16.41ft
Cutting Length	25mm 0.98″
IP Grade	IP20 / IP65 / IP68
Lumens	
Red	120lm/m 36lm/ft
Green	400lm/m 122lm/ft
Blue	55lm/m 17lm/ft

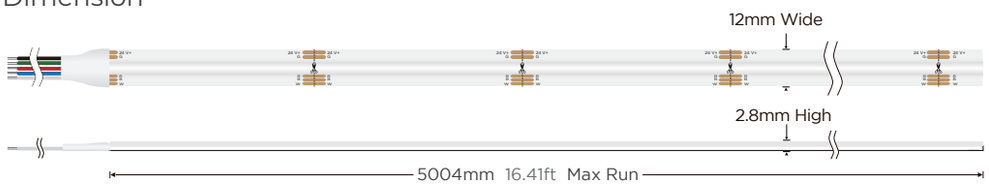
Dimension



COB Essential / Colorful RGBW

	784LEDS/M 19W	840LEDS/M 18W
Product NO.	FE19C-P0-G1 COBRGBW 24V784S W12L05	FE18C-P0-G1 COBRGBW 24V840S W12L05
Power	19W/M 5.79W/ft	18W/M 5.48W/ft
Voltage	DC24V	DC24V
CRI	-	-
Led Qty	784LEDs/M 239LEDs/ft	840LEDs/M 256LEDs/ft
Length/Reel	5004mm 16.41ft	5004mm 16.41ft
Cutting Length	71.4mm 2.81″	33.33mm 1.31″
IP Grade	IP20 / IP65 / IP68	IP20 / IP65 / IP68
Lumens		
Red	160lm/m 49lm/ft	110lm/m 33lm/ft
Green	415lm/m 127lm/ft	450lm/m 137lm/ft
Blue	85lm/m 26lm/ft	60lm/m 18lm/ft
White	485lm/m 148lm/ft	480lm/m 146lm/ft

Dimension



COB Essential / Colorful RGBWC

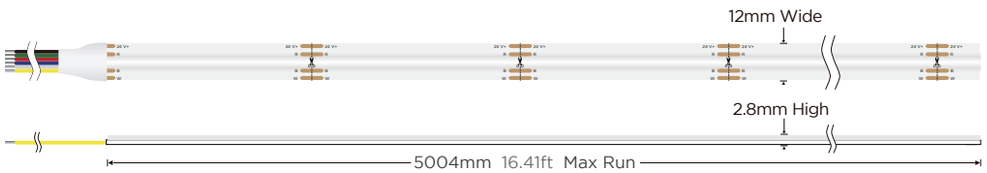
840LEDS/M 21W

Product NO.	FE21C-P0-G1 COBRGBWC 24V840S W12L05
Power	21W/M 6.4W/ft
Voltage	DC24V
CRI	-
Led Qty	840LEDs/M 256LEDs/ft
Length/Reel	5004mm 16.41ft
Cutting Length	35.7mm 1.4"
IP Grade	IP20 / IP65 / IP68

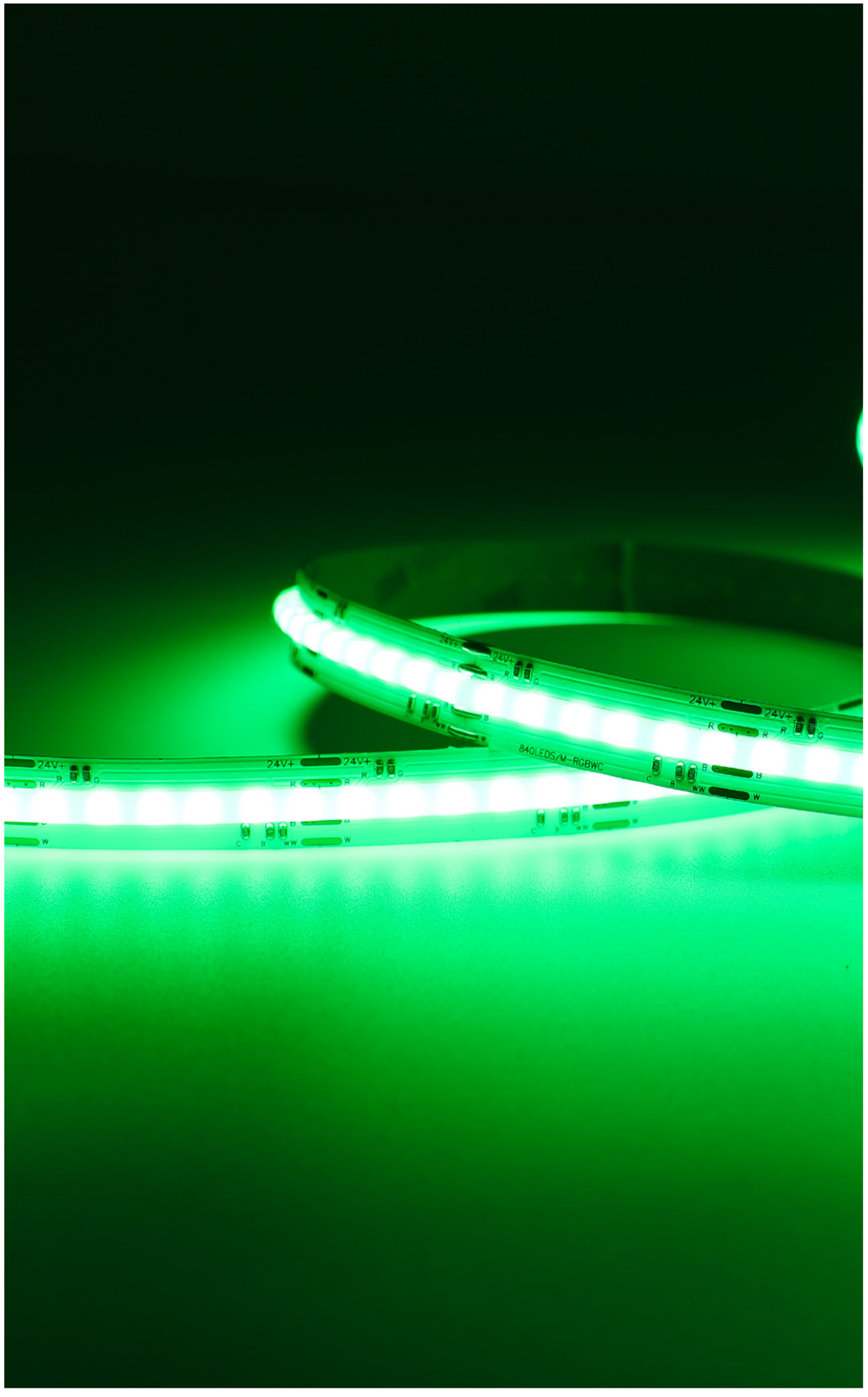
Lumens

Red	130lm/m	40lm/ft
Green	310lm/m	95lm/ft
Blue	65lm/m	20lm/ft
2700K	380lm/m	116lm/ft
6500K	390lm/m	119lm/ft

Dimension

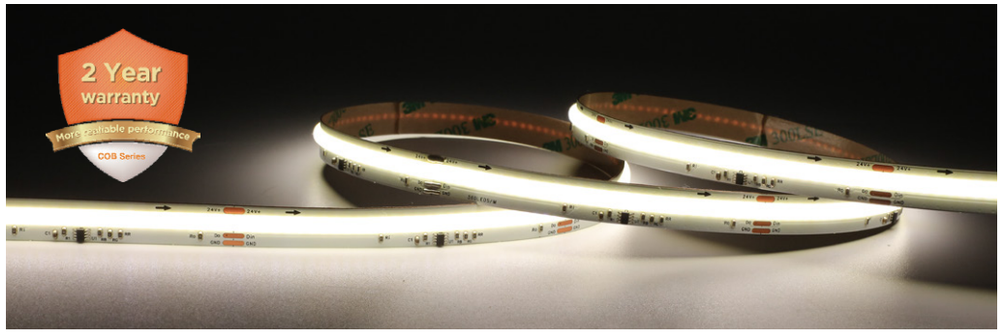


COB Essential Series · Colorful RGBWC



COB SPI Digital White

Colors jump & gradual changings can be realized by controller coding.
Varying color programs can be controlled by 12 pixels per meter.
SPI control IC-WS2811



COB Essential / SPI Digital White

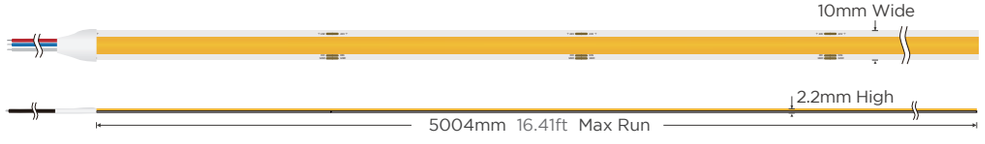
360LEDS/M 12W

Product NO.	FE12D-P0-G1 COB9xx 24VS360S W10L05
Power	12W/M 3.66W/ft
Voltage	DC24V
CRI	90
Led Qty	360LEDs/M 110LEDs/ft
Length/Reel	5004mm 16.41ft
Cutting Length	83.33mm 3.28"
IP Grade	IP20 / IP65 / IP68

Lumens

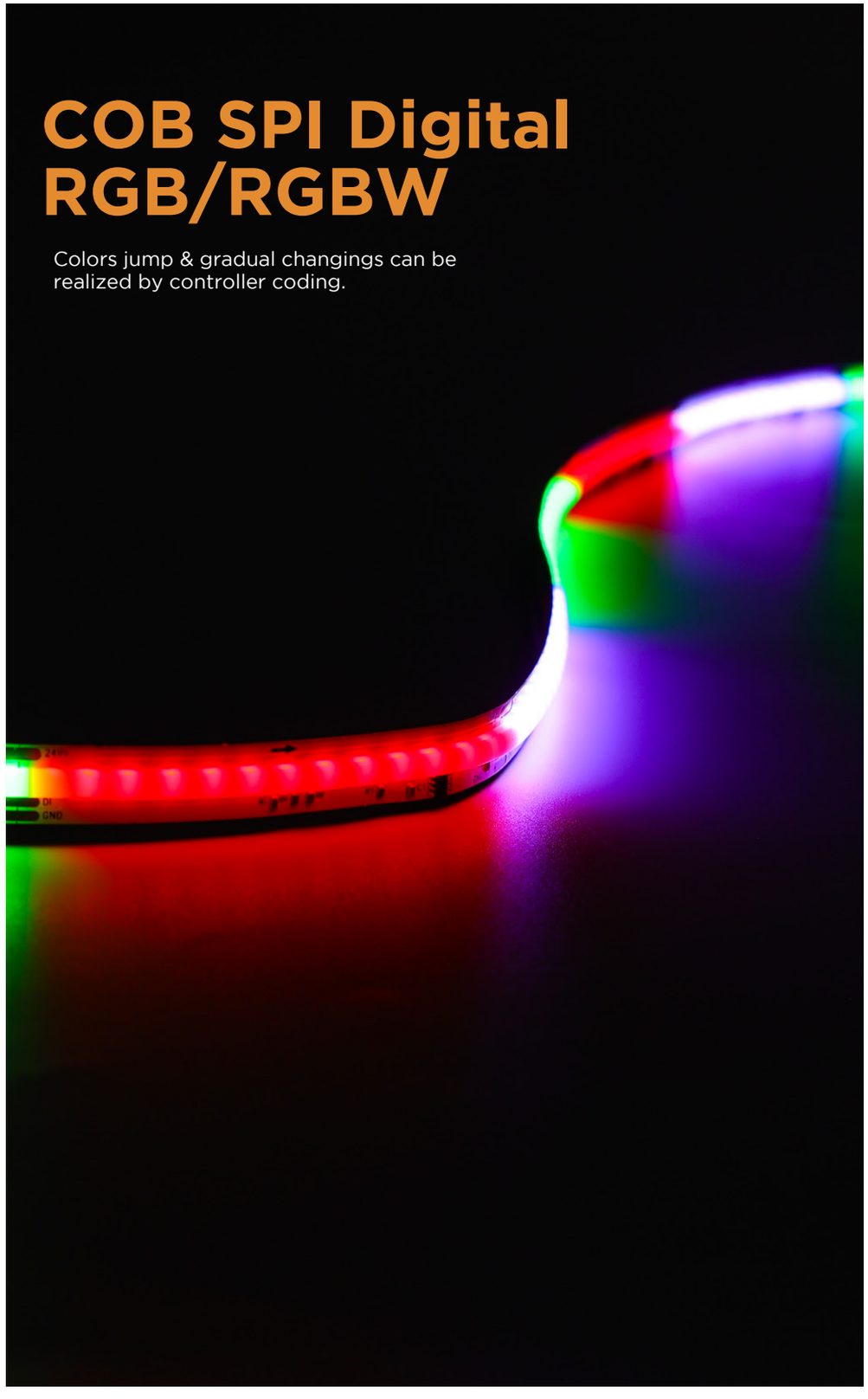
3000K	660lm/m 201lm/ft
4000K	720lm/m 220lm/ft
6500K	720lm/m 220lm/ft

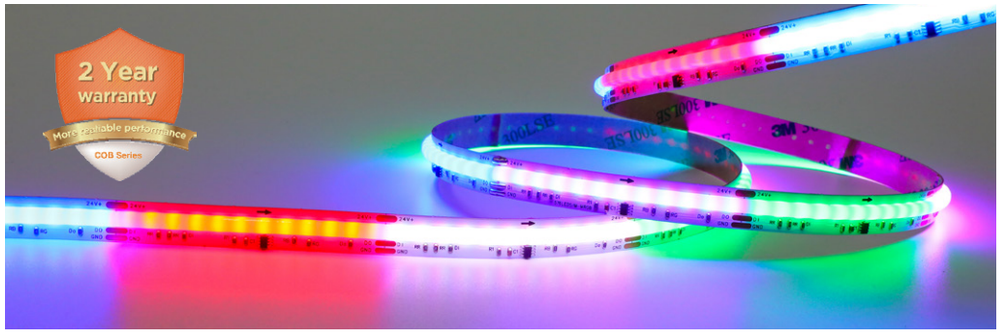
Dimension



COB SPI Digital RGB/RGBW

Colors jump & gradual changings can be realized by controller coding.

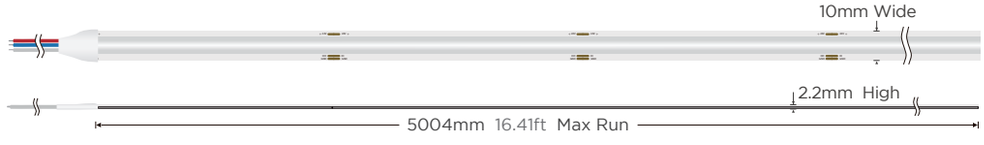




COB Essential / SPI Digital RGB/RGBW

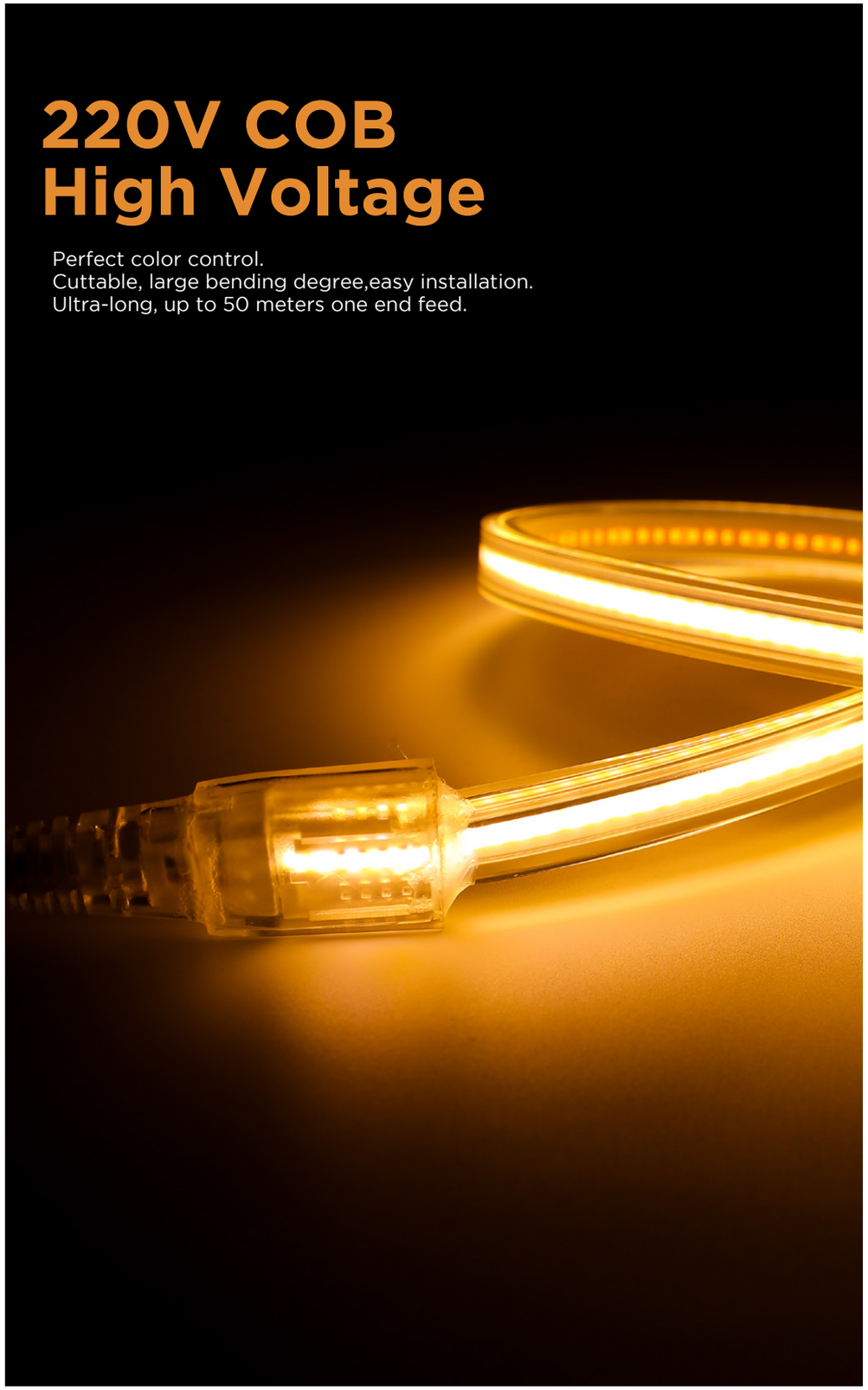
	RGB 576LEDS/M 18W	RGBW 784LEDS/M 21W
Product NO.	FE18D-P0-G1 COBRGB 24VS576S W10L05	FE21D-P0-G1 COBRGBW 24VS784S W10L05
Power	18W/M 5.49W/ft	21W/M 6.4W/ft
Voltage	DC24V	DC24V
CRI	/	/
Led Qty	576LEDs/M 176LEDs/ft	784LEDs/M 239LEDs/ft
Length/Reel	5004mm 16.41ft	5004mm 16.41ft
Cutting Length	62.5mm 2.46"	71.42mm 2.81"
IP Grade	IP20 / IP65 / IP68	IP20 / IP65 / IP68
Lumens		
Red	114lm/m 35lm/ft	66lm/m 20lm/ft
Green	433lm/m 132lm/ft	435lm/m 133lm/ft
Blue	60lm/m 18lm/ft	69lm/m 21lm/ft
White	/ /	340lm/m 104lm/ft

Dimension



220V COB High Voltage

Perfect color control.
Cuttable, large bending degree,easy installation.
Ultra-long, up to 50 meters one end feed.



COB Essential / 220V COB High Voltage

288LEDS/M 8W

Product NO.	FE08W-P5-G2 COB8x 220V288S 1206L50
Power	8W/M
Voltage	DC220V
CRI	80
Led Qty	288LEDs/M
Length/Reel	50m
Cutting Length	500mm
IP Grade	IP67

Lumens

2700K	525lm/m
3000K	560lm/m
4000K	600lm/m
6500K	600lm/m

Dimension

COB NEON Series / Black Gold

IP67 protection.
Black and gold collocation, the appearance of
High-end atmosphere.
Easy to install and preserve.

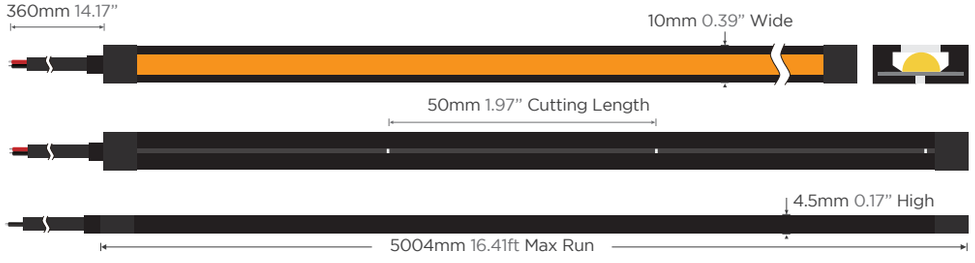
320LEDS/M 8W

Product NO.	FE08W-P7-G3 COB9X 24V320S W08L05
Power	8W/M 2.43W/ft
Voltage	DC24V
CRI	90
Led Qty	320LEDs/M 97LEDs/ft
Length/Reel	5050mm 16.56ft
Cutting Length	50mm 1.97"
IP Grade	IP67

Lumens

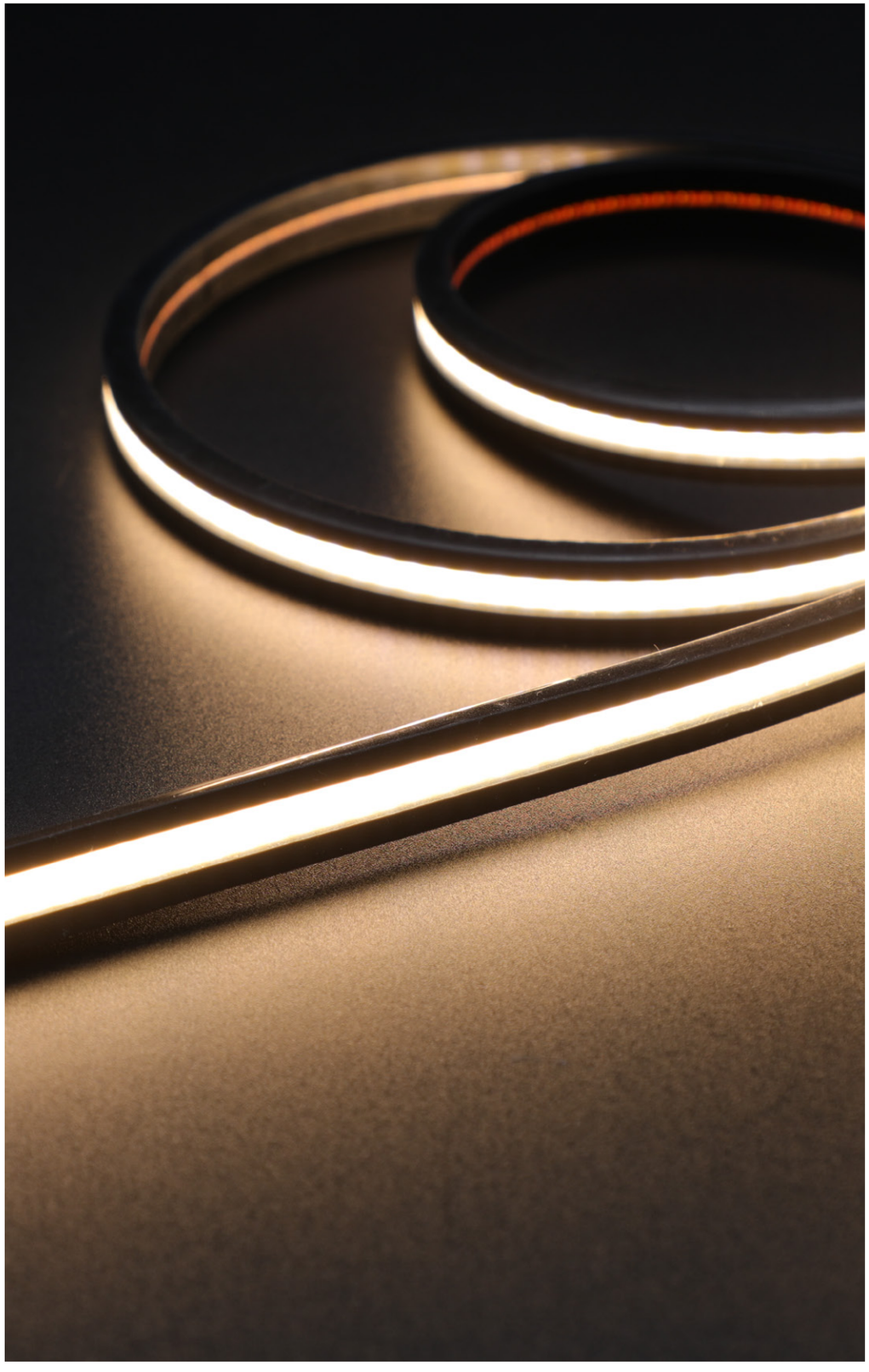
2700K	480lm/m	146lm/ft
3000K	520lm/m	158lm/ft
4000K	650lm/m	198lm/ft
6500K	650lm/m	198lm/ft

Dimension



Accessories Specification

COB Essential Series · Black Gold

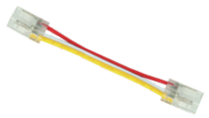


COB Connectors

Single Color

Series	Product			PCB Width	Product NO.
	BB PCB to PCB	XB Cable to PCB	BXB PCB to Cable to PCB		
LD- COB H Series Maximum voltage: 36V Maximum current: 5A				8mm	COB2P-C08BB-G1 COB2P-C08XB-G1 COB2P-C08MBXB-G1
				10mm	COB2P-C10BB-G1 COB2P-C10XB-G1 COB2P-C10MBXB-G1
LD- COB E Series Maximum voltage: 36V Maximum current: 5A				8mm	COB2P-C08BB-G1 COB2P-C08XB-G1 COB2P-C08MBXB-G1
				10mm	COB2P-C10BB-G1 COB2P-C10XB-G1 COB2P-C10MBXB-G1

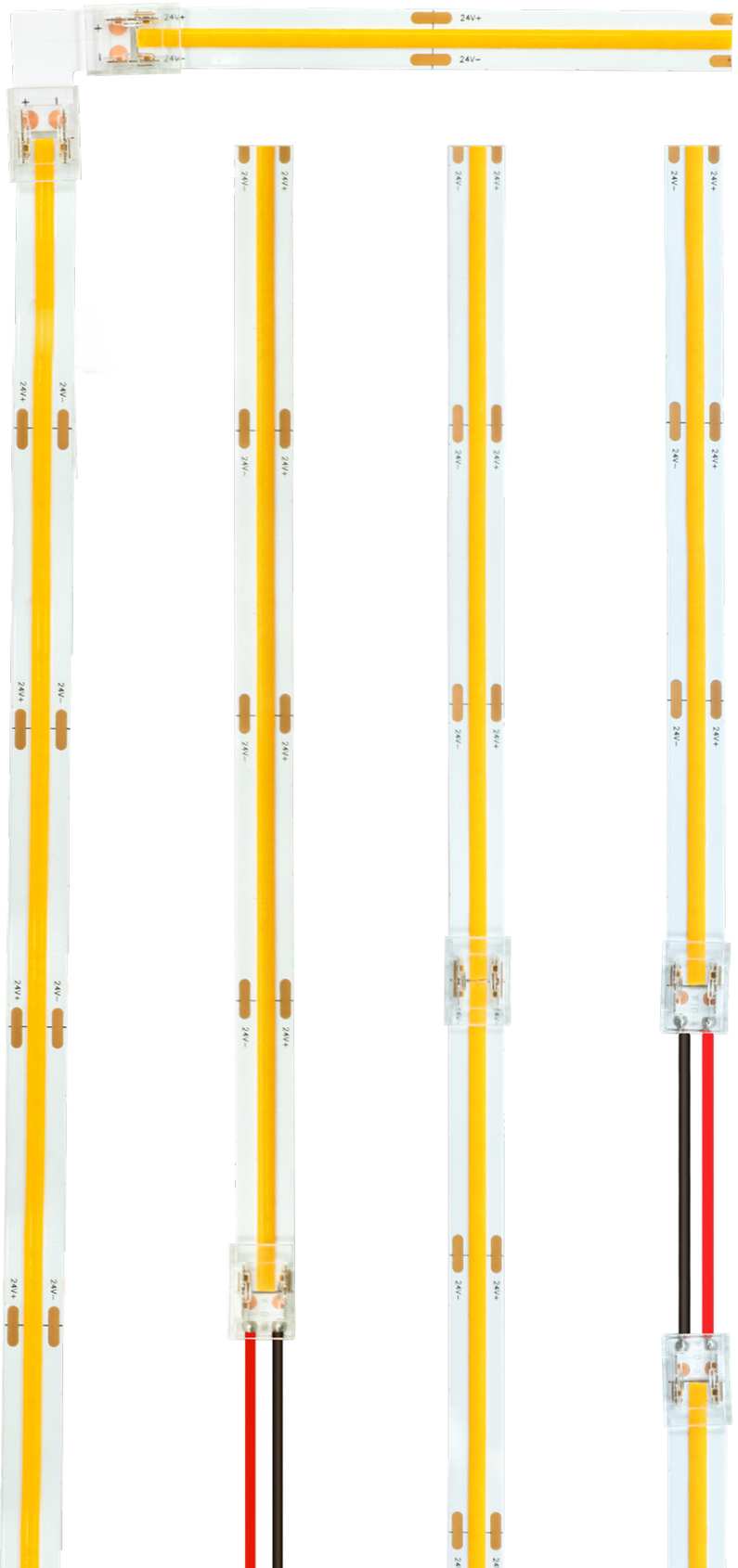
Tunable

Series	Product			PCB Width	Product NO.
	BB PCB to PCB	XB Cable to PCB	BXB PCB to Cable to PCB		
LD- COB H Series Maximum voltage: 36V Maximum current: 5A				8mm	COB3/4P-C10BB-G1 COB3P-C10XB-G1 COB3P-C10MBXB-G1
				10mm	COB2P-C10BB-G1 COB2P-C10XB-G1 COB2P-C10MBXB-G1

RGB

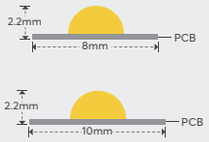
Series	Product			PCB Width	Product NO.
	BB PCB to PCB	XB Cable to PCB	BXB PCB to Cable to PCB		
LD- COB H Series Maximum voltage: 36V Maximum current: 5A				10mm	COB3/4P-C10BB-G1 COB4P-C10XB-G1 COB4P-C10MBXB-G1
LD- COB E Series Maximum voltage: 36V Maximum current: 5A			/	10mm	COB4P-C10BB SMD4P-C10BB COB4P-C10XB

L Shape

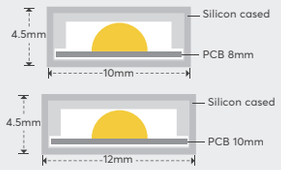


IP Rating

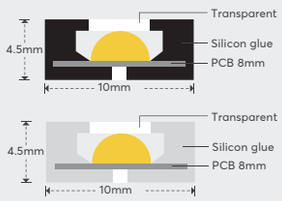
IP20 / Ribbon Series

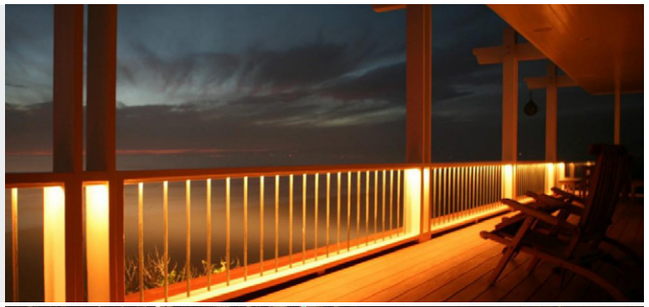


IP65 / Hollow Extrusion

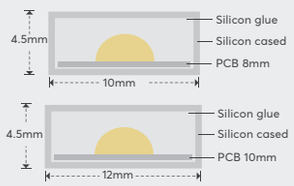


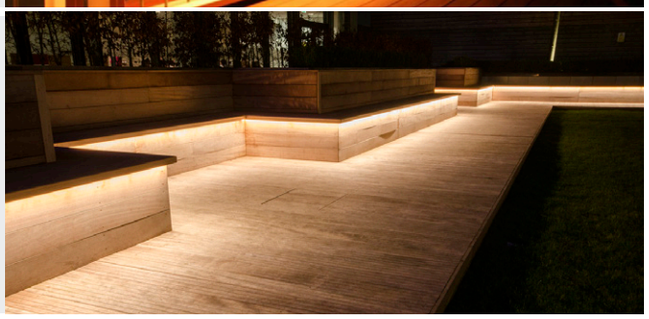
NEON IP67

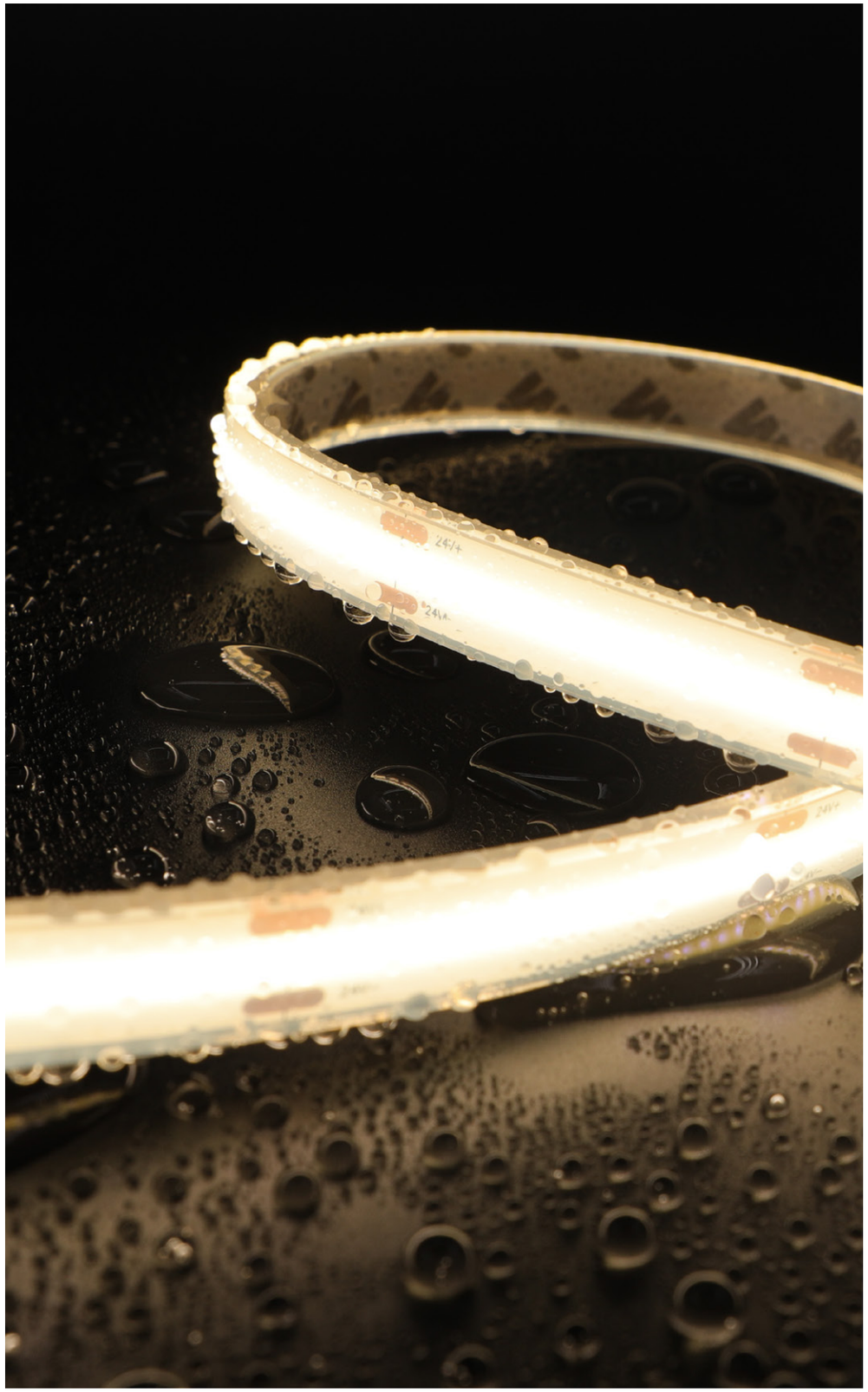




IP68 / Jade Series

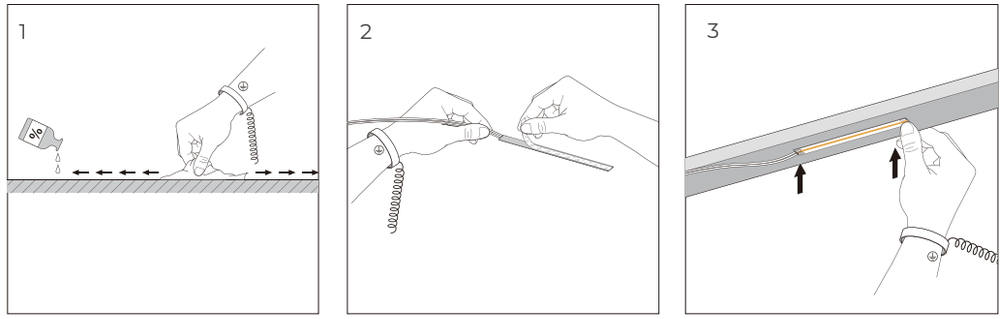




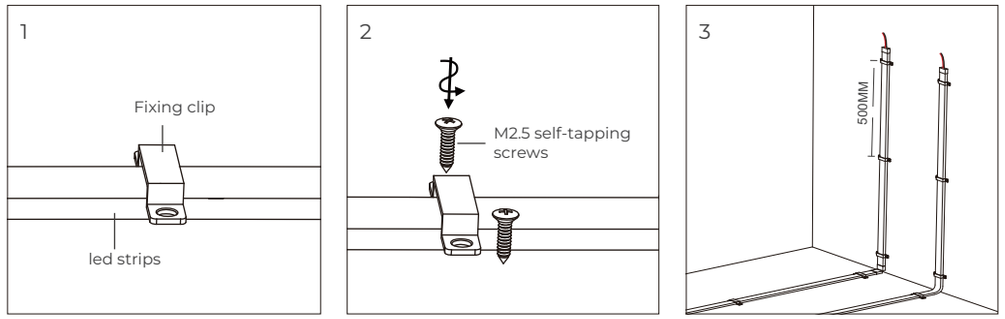


Installation

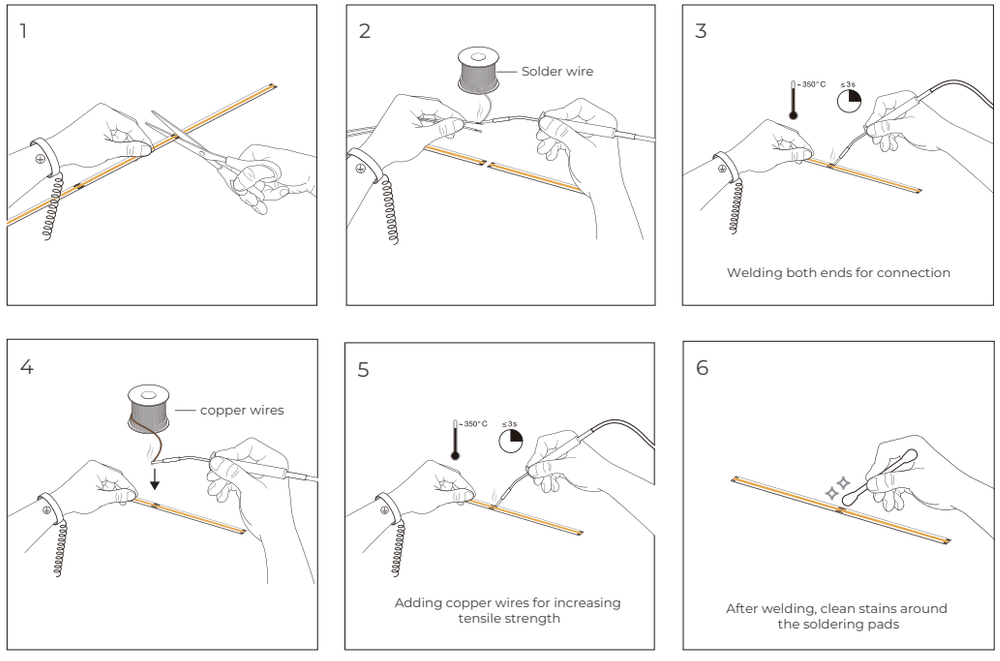
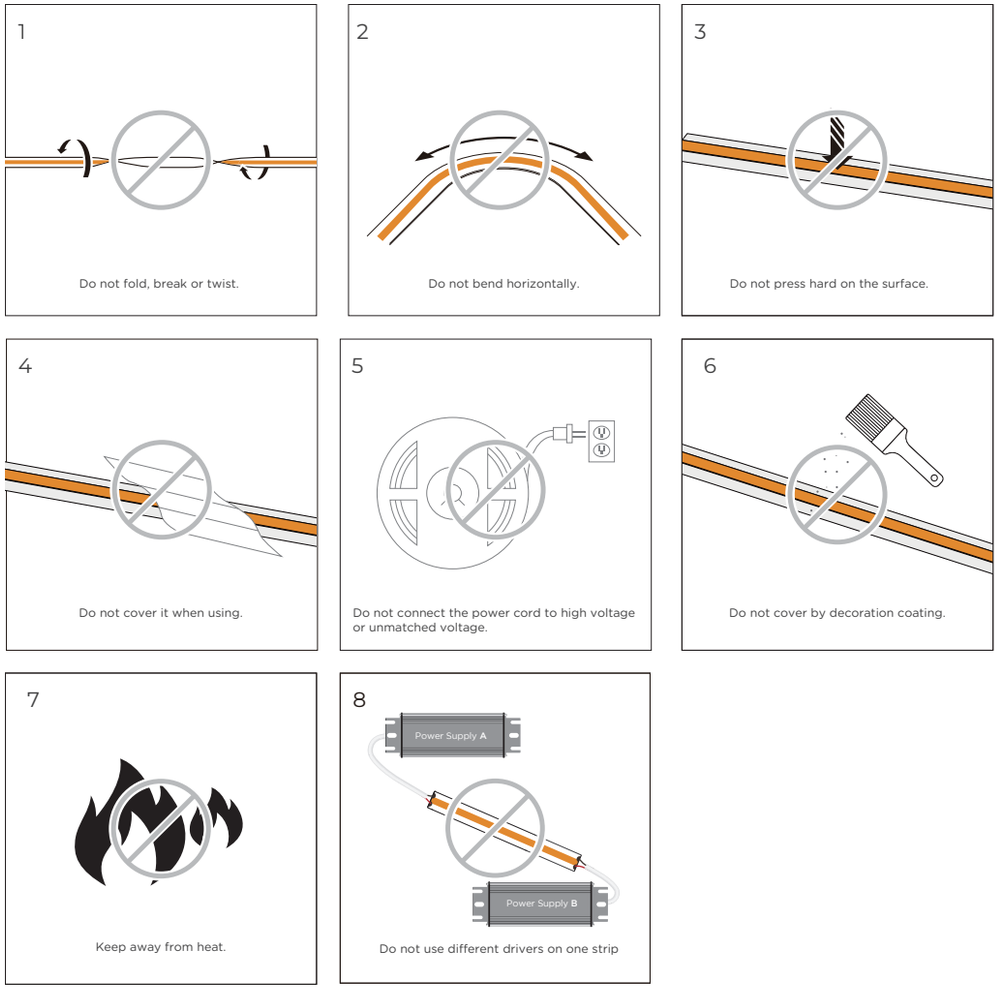
IP20



IP65/IP68



Cutting



Applicaiton note