



RoHS

FCOB Strip-S2 Series Datasheet

Product description :

- FCOB Strip
- Power supply DC24V
- IP Level IP20/IP65

Feature & Benefits

- 2700~6500K, Red, Blue, Green, Dual Color
RGB RGBW, RGBCW
- 3M double-sided tape for easy mounting
- 3-year warranty

Applications

- Application for indoor lighting such as cabinet, housing decoration, building edge and other application scenarios.

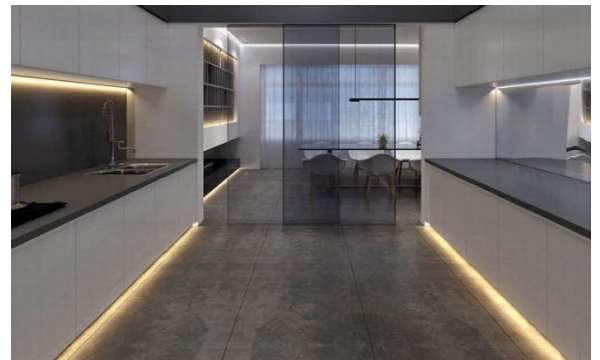
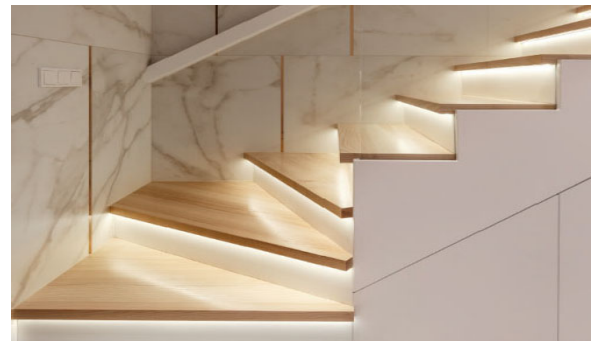


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Technical data

Parameter	Value	Unit
Beam characteristic	140	°
Ambient temperature range	- 25~ +45	°C
Tc temperature (Max)	75	°C
Storage temperature range	- 35~ +70	°C
Type of protection	IP20/IP65	
Color Temperature	2700-6500K,R/G/B/RGB/RGBW/RGBWW	
Risk group(EN62778)	1	

Electric-Optical Characteristics

FCOB-320LEDs/M-24V-IP20(Reel to Reel)

Order code	CCT (K)	Voltage (CV)	Luminous flux(lm)	Efficacy (lm/W)	Power (W/M)	CRI(Ra)
6LBR327JE0F32002	2700	24	780±10%	78±10%	10.0±15%	>90
6LBR330JE0F32002	3000	24	800±10%	80±10%	10.0±15%	>90
6LBR340JE0F32002	4000	24	870±10%	87±10%	10.0±15%	>90
6LBR365JE0F32002	6500	24	870±10%	87±10%	10.0±15%	>90

FCOB-512LEDs/M-24V-HE -IP20(High Efficacy)

Order code	CCT (K)	Voltage (CV)	Luminous flux(lm)	Efficacy (lm/W)	Power (W/M)	CRI(Ra)
6LBR327JE0F51202	2700	24	1150±10%	115±10%	10.0±10%	>90
6LBR330JE0F51202	3000	24	1200±10%	120±10%	10.0±10%	>90
6LBR340JE0F51202	4000	24	1250±10%	125±10%	10.0±10%	>90
6LBR365JE0F51202	6500	24	1250±10%	125±10%	10.0±10%	>90

Electric-Optical Characteristics

FCOB-528LEDS/M-24V-IP20 (Narrow 5mm)

Order code	CCT (K)	Voltage (CV)	Luminous flux(lm)	Efficacy (lm/W)	Power (W/M)	CRI(Ra)
6LBR327JE0F52802	2700	24	640±10%	80±10%	8.0±10%	>90
6LBR330JE0F52802	3000	24	680±10%	85±10%	8.0±10%	>90
6LBR340JE0F52802	4000	24	720±10%	90±10%	8.0±10%	>90
6LBR365JE0F52802	6500	24	720±10%	90±10%	8.0±10%	>90
6LBR3BXJE0F52802	450- 470nm	24	160±10%	20±10%	8.0±10%	/
6LBR3TXJE0F52802	520- 535nm	24	960±10%	120±10%	8.0±10%	/
6LBR3RXJE0F52802	615- 635nm	24	120±10%	15±10%	8.0±10%	/

FCOB-1008LEDS/M-Dual color-24V-IP20

Order code	CCT (K)	Voltage (CV)	Luminous flux(lm)	Efficacy (lm/W)	Power (W/M)	CRI(Ra)
6LBR3M6JE0F50402	2700	24	510±10%	60±10%	8.5±10%	>90
	6500	24	660±10%	75±10%	8.5±10%	>90

FCOB-320LEDS/M-24V-IP65(Reel to Reel)

Order code	CCT (K)	Voltage (CV)	Luminous flux(lm)	Efficacy (lm/W)	Power (W/M)	CRI(Ra)
6LBU127JE0F32002	2700	24	720±10%	72±10%	10.0±15%	>90
6LBU130JE0F32002	3000	24	750±10%	75±10%	10.0±15%	>90
6LBU140JE0F32002	4000	24	800±10%	80±10%	10.0±15%	>90
6LBU165JE0F32002	6500	24	800±10%	80±10%	10.0±15%	>90

Electric-Optical Characteristics

FCOB-512LEDS/M-24V-HE -IP65 (High Efficacy)

Order code	CCT (K)	Voltage (CV)	Luminous flux(lm)	Efficacy (lm/W)	Power (W/M)	CRI(Ra)
6LBU127JE0F51202	2700	24	1030±10%	103±10%	10.0±10%	>90
6LBU130JE0F51202	3000	24	1080±10%	108±10%	10.0±10%	>90
6LBU140JE0F51202	4000	24	1130±10%	113±10%	10.0±10%	>90
6LBU165JE0F51202	6500	24	1130±10%	113±10%	10.0±10%	>90

FCOB-378LEDS/M-24V-Side-emitting- IP20

Order code	CCT (K)	Voltage (CV)	Luminous flux(lm)	Power (W/M)	CRI(Ra)
6LBR327JE0F37801	2700	24	290±20%	10.0±10%	>90
6L BR330JE0F37801	3000	24	290±20%	10.0±10%	>90
6LBR340JE0F37801	4000	24	300±20%	10.0±10%	>90
6 BR365JE0F37801	6500	24	300±20%	10.0±10%	>90

FCOB-1134LEDS/M -RGB-24V-IP20

Order code	CCT (K)	Voltage (CV)	Luminous flux(lm)	Power (W/M)	CRI(Ra)
6LBR3M1JE0F36002	615- 635nm	24	110±20%	Max 5.5	/
	520- 535nm	24	400±20%	Max 5.5	/
	450- 460nm	24	50±20%	Max 5.5	/

FCOB-840LEDS/M-24V-SPI Magic-IP20

Order code	CCT (K)	Voltage (CV)	Luminous flux(lm)	Power (W/M)	CRI(Ra)
6LBR3M1JE0F42001	615- 635nm	24	120±20%	6.0±10%	/
	520- 535nm	24	540±20%	6.0±10%	/
	450- 460nm	24	80±20%	6.0±10%	/

Electric-Optical Characteristics

FCOB-560LEDS/M-24V-RGB+2700K-IP20

Order code	CCT (K)	Voltage (CV)	Luminous flux(lm)	Power (W/M)	CRI(Ra)
6LBR3M7JE0F56001	615- 635nm	24	105±20%	Max 4.5	/
	520- 535nm	24	330±20%	Max 4.5	/
	450- 460nm	24	55±20%	Max 4.5	/
	2700	24	260±20%	Max 4.5	>90

FCOB-560LEDS/M-24V-RGB+3000K-IP20

Order code	CCT (K)	Voltage (CV)	Luminous flux(lm)	Power (W/M)	CRI(Ra)
6LBR3M7JE0F56002	615- 635nm	24	105±20%	Max 4.5	/
	520- 535nm	24	330±20%	Max 4.5	/
	450- 460nm	24	55±20%	Max 4.5	/
	3000	24	260±20%	Max 4.5	>90

FCOB-560LEDS/M-24V-RGB+4000K-IP20

Order code	CCT (K)	Voltage (CV)	Luminous flux(lm)	Power (W/M)	CRI(Ra)
6LBR3N0JE0F56001	615- 635nm	24	105±20%	Max 4.5	/
	520- 535nm	24	330±20%	Max 4.5	/
	450- 460nm	24	55±20%	Max 4.5	/
	4000	24	275±20%	Max 4.5	>90

Electric-Optical Characteristics

FCOB-560LEDS/M-24V-RGB+6500K-IP20

Order code	CCT (K)	Voltage (CV)	Luminous flux(lm)	Power (W/M)	CRI(Ra)
6LBR3M2JE0F56001	615- 635nm	24	105±20%	Max 4.5	/
	520- 535nm	24	330±20%	Max 4.5	/
	450- 460nm	24	55±20%	Max 4.5	/
	6500	24	290±20%	Max 4.5	>90

FCOB-700LEDS/M-24V RGB+CW-IP20

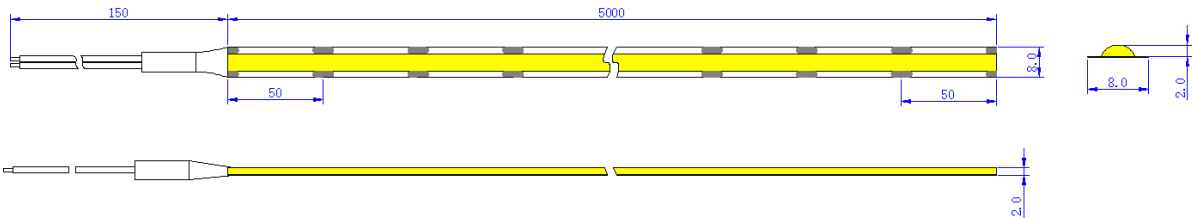
Order code	CCT (K)	Voltage (CV)	Luminous flux(lm)	Power (W/M)	CRI(Ra)
6LBR3FTJE0F70001	615- 635nm	24	105±20%	Max 4.5	/
	520- 535nm	24	330±20%	Max 4.5	/
	450- 460nm	24	55±20%	Max 4.5	/
	2700	24	260±20%	Max 4.5	>90
	6500	24	270±20%	Max 4.5	>90

Note:

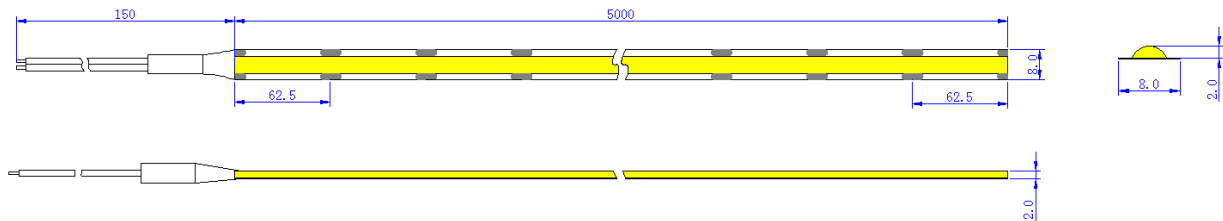
Led Color region stay within CCT ±10%

Product Dimensions

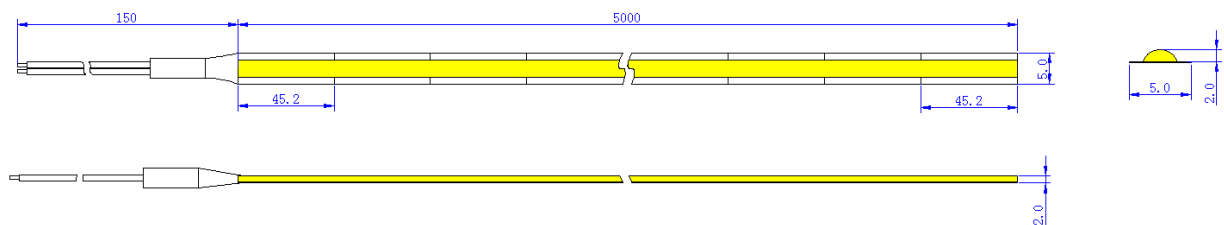
FCOB-320LEDs/M-24V-IP20(Reel to Reel)



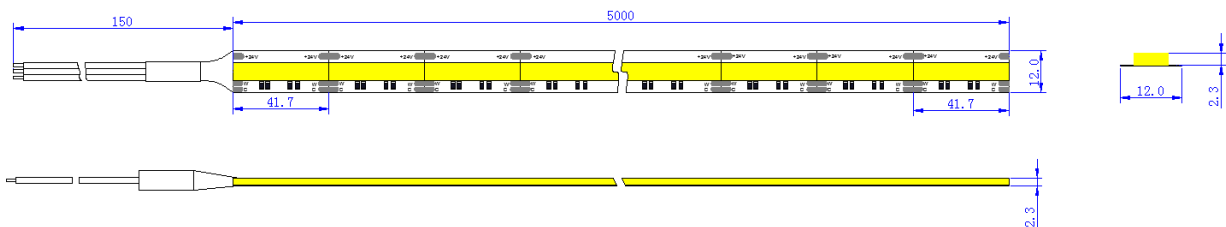
FCOB-512LEDs/M-24V- HE -IP20 (High Efficiency)



FCOB-528LEDs/M-24V-IP20(Narrow 5mm)

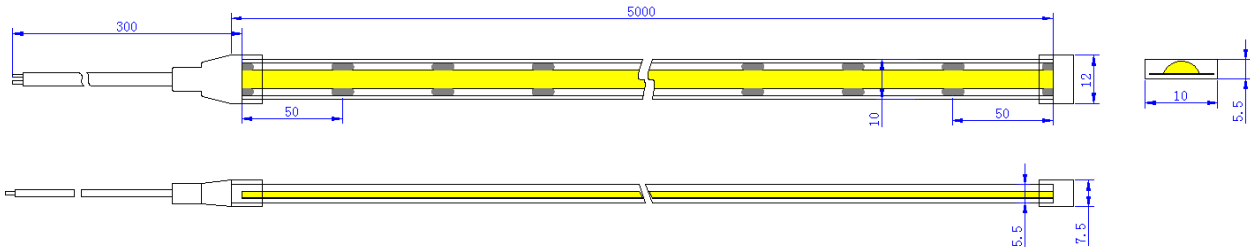


FCOB-1008LEDs/M-Dual color-24V-IP20

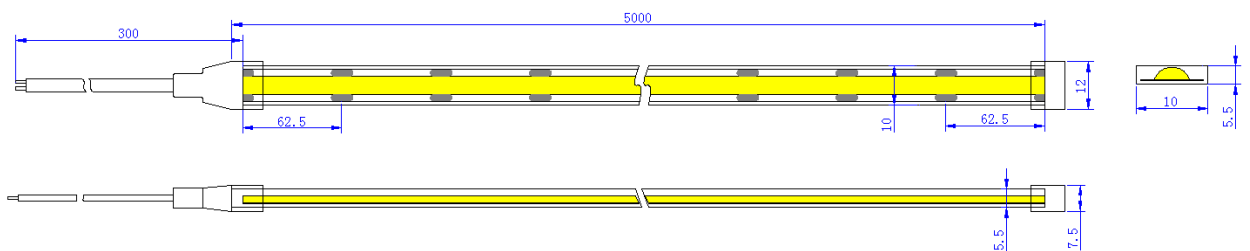


Product Dimensions

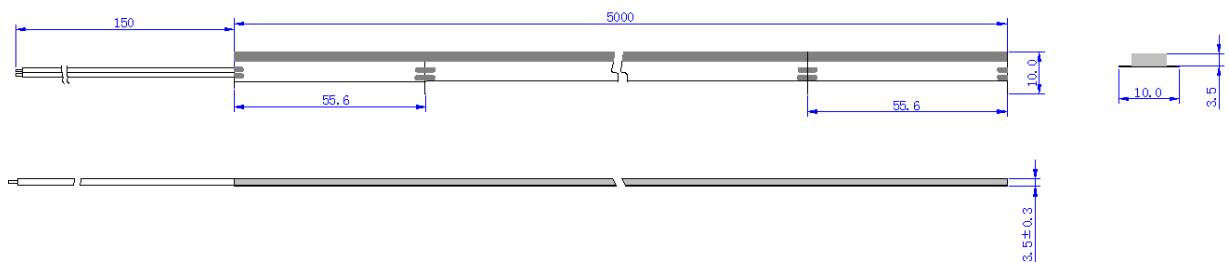
FCOB-320LEDS/M-24V-IP65(Reel to Reel)



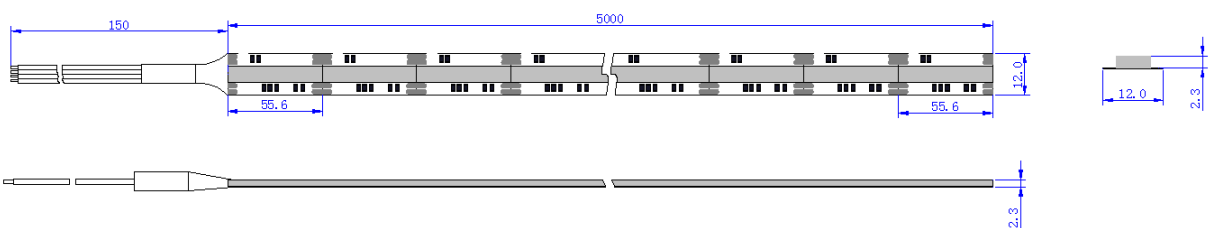
FCOB-512LEDS/M-24V- HE -IP65 (High Efficiency)



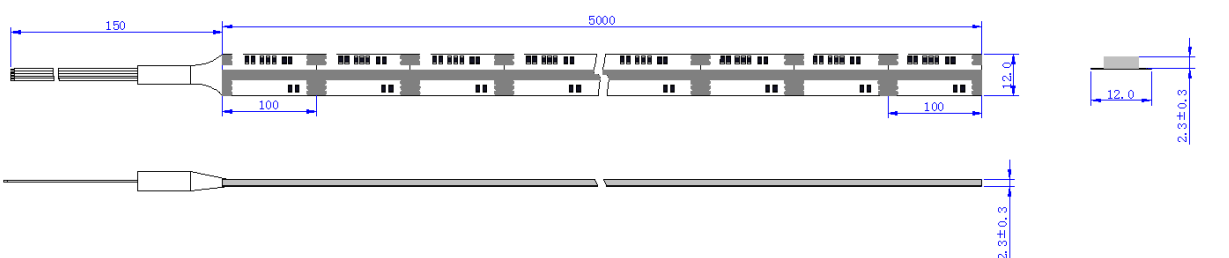
FCOB-378LEDS/M-Side-emitting-24V-IP20



FCOB-1134LEDS/M -RGB-24V-IP20

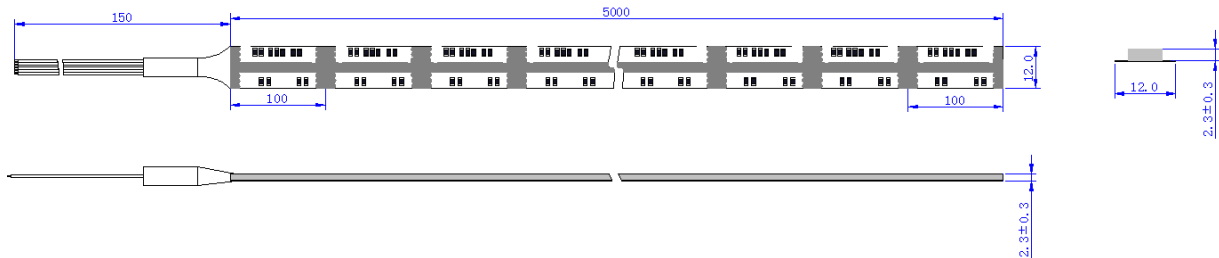


FCOB-560LEDS/M-RGBW-24V-IP20

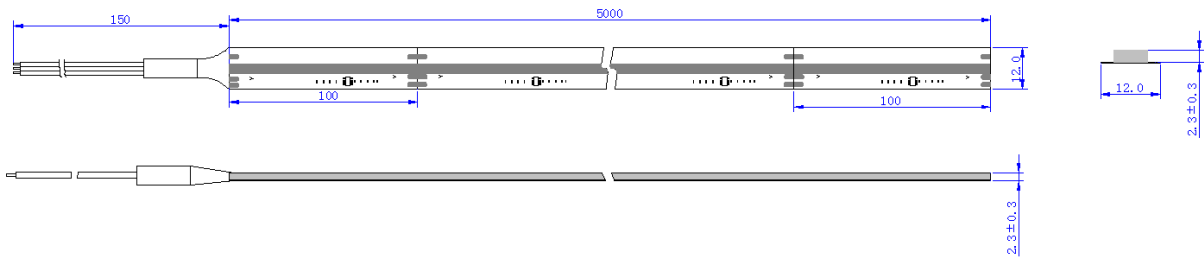


Product Dimensions

FCOB-700LEDS/M-RGBWW-24V-IP20



FCOB-840LEDS/M-SPI Magic-24V-IP20



Notes:

1. All dimensions are in millimeters.
2. Tolerance: $\pm 0.5\text{mm}$

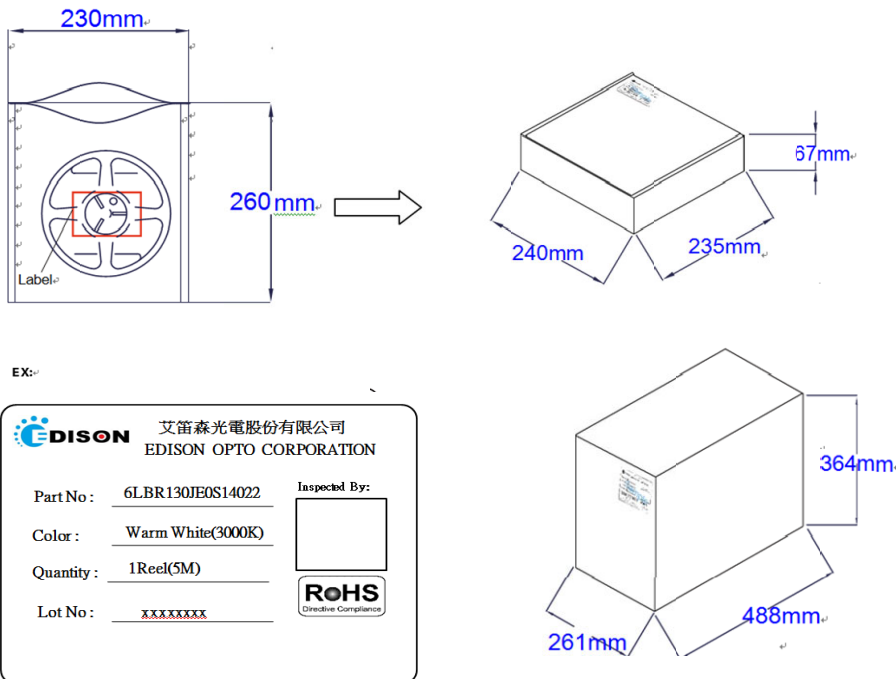
Energy Efficiency Index

Type	CCT (K)	Level
FCOB- 320LEDS/M- 24V- IP20	2700/3000/4000/6500	G
FCOB- 512LEDS/M- 24V - HE- IP20	2700/3000/4000/6500	F
FCOB- 528LEDS/M- 24V- IP20	2700/3000/4000/6500	G
FCOB- Dual color- 24V- IP20	2700/6500	G
FCOB- 320LEDS/M- 24V- IP65	2700/3000/4000/6500	G
FCOB- 512LEDS/M- 24V- HE- IP65	2700/3000/4000/6500	G
FCOB- 560LEDS/M- 24V- RGB+W-IP20	2700/3000/4000/6500	G
FCOB- 700LEDS/M- 24V RGB+CW-IP20	2700/3000/4000/6500	G
FCOB- 378LEDS/M- 24V- Side- emitting--IP20	2700/3000/4000/6500	G

Precaution for Use

1. DO NOT use the products with materials containing Sulfur.
2. DO NOT assemble in humid environment or the conditions of containing oxidizing gas such as C1, H₂S, NH₃, SO₂, NO_x, etc.
3. DO NOT add or change wires while the circuit of Module is active. Long time exposure to sunlight or UV should be avoided.
4. DO NOT press the product; even a slight pressure may damage the product. The environments such as high temperatures, high humidity or direct expose to sunlight should be avoided since the product is sensitive to these conditions.
5. Assembly must not damage or destroy conducting paths on the circuit board.
6. Please ensure that the power supply is of adequate power to operate the total load.

Product Packaging Information



Type	Anti-static bag size (mm)	Inner box/carton (pcs)	Outside Carton size (pcs)	GW.± 10% (kg)
FCOB- 320LEDS/M- 24V- IP20	4	10	488x261x364	7.0
FCOB- 512LEDS/M- 24V - HE- IP20	4	10	488x261x364	7.0
FCOB- 528LEDS/M- 24V- IP20	4	10	488x261x364	7.0
FCOB- Dual color- 24V- IP20	4	10	488x261x364	7.0
FCOB- RGB- 24V- IP20	4	10	488x261x364	7.0
FCOB- 320LEDS/M- 24V- IP65	4	10	488x 61x364	15.3
FCOB- 512LEDS/M- 24V- HE - IP65	4	10	488x 61x364	15.3
FCOB- 560LEDS/M- 24V- RGB+W- IP20	4	10	488x 61x364	7.0
FCOB- 700LEDS/M- 24V RGB+CW- IP20	4	10	488x 61x364	7.0
FCOB- 378LEDS/M- 24V- Side-Emitting-IP20	4	10	488x 61x364	7.0

Environmental Compliance

PLCC lightbar FCOB series are compliant to the Restriction of Hazardous Substances Directive or RoHS. The restricted materials including lead, mercury cadmium hexavalentchromium, polybrominated biphenyls (PBB) , polybrominated diphenyl ether (PBDE) ,Diisobutyl phthalate(DIBP),Phthalic acid(DEHP),Butyl benzyl phthalate (BBP)and Dibutyl phthalate (DBP) are not used in PLCC lightbar FCOB series to provide an environmentally friendly product to the customers.

Datasheet History

Versions	Modification	Date
V_2.0	Update content	2023/04/27

About Edison Opto

Edison Opto provides comprehensive LED and solid-state lighting products from LED Component, Light Module, UV / IR LED, LED sensing, Horticulture and Automotive Lighting. With a view to improve R&D process, Edison Opto develops the vertical platform on (Thermal · Electrical · Mechanical · Optical) to ensure the quality of products and services; Furthermore, Edison Opto creates (Lighting Design Manufacturing Service) from light source to luminaire manufacturing, to serve our customers a quality experience of customized solutions.



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