

PRODUCT DATA SHEET

MODE : COB 480LEDS/8MM

COLOR TEMP. (12V): 2700K | 3000K | 3500K | 4000K | 5000K | 6500K | 9000K

COLOR TEMP. (24V): 2700K | 3000K | 4000K | 6500K

LENGTH : 5METERS



GDS-COB LED STRIPS_IP20

480
LEDS/M

WATTS
50

DC
12V/24V

IP
20

3
YEARS
WARRANTY



PRODUCT FEATURES

- HIGH DENSITY 480 CHIPS/M COB LED.
- NO VISIBLE DOT DESIGN.
- EFFICACY OF 80LM/W.
- HIGH CRI >90.
- EFFICIENT HEAT DESIGN, REQUIRES NO HEAT-SINK.
- ULTRA FLEXIBLE SUBSTRATE.
- SAFE LOW VOLTAGE.
- PRE-WIRED AT BOTH ENDS.
- DOUBLE SIDED TAPE MOUNTING.



APPLICATIONS

- WIDELY USED IN HOTELS, SHOPPING MALLS, FURNITURE, CABINETS, SHELVES, ETC., SUCH AS DECORATIVE LIGHTING, DIRECT LIGHTING OR INDIRECT LIGHTING.



TECHNICAL PARAMETERS

● ELECTRICAL DATA

VOLTAGE	DC 12V / 24V
POWER	10W/M
CURRENT	0.5A/12V 0.25A/24V

● LED DATA

LED TYPE	COB
LED CHIP	480 LED'S

● PHOTOMETRIC DATA

COLOR TEMPERATURE	(12V) 2700K 3000K 3500K 4000K 5000K 6500K 9000K (24V) 2700K 3000K 4000K 6500K
CRI	>90
LUMINOUS FLUX PER METRE	500 LM >3,700°K
LUMINOUS EFFICACY	80 LM/W >3,700°K
BEAM ANGLE	160°
DIMMABLE	1~100%

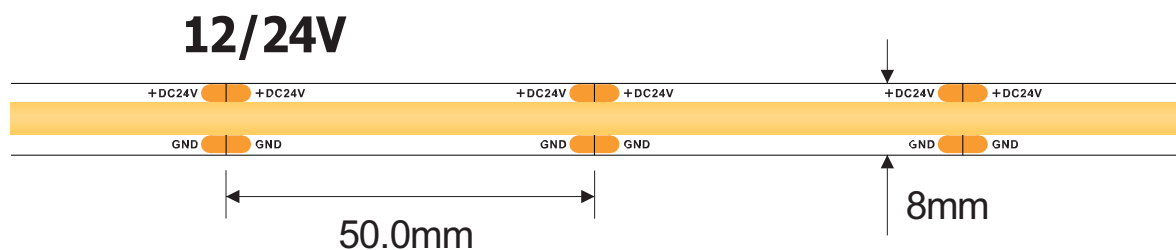
● CONSTRUCTION/PROTECTION DATA

SUBSTRATE	DOUBLE LAYER PCB
THICKNESS OF FPCB	2 OZ
MOUNTING	DOUBLE SIDE TAPE
IP RATING	IP-20
OPERATING TEMPERATURE	-20~+70°C
STORAGE TEMPERATURE	-20~+50°C

● DIMENSIONS

CUTTING INCREMENTS	50MM
LENGTH	5000MM
WIDTH	8.0MM
HEIGHT	3.0MM

CUTTING INCREMENTS

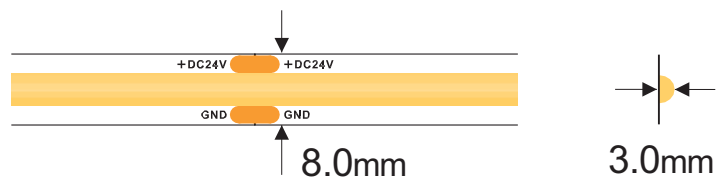


● LIFETIME

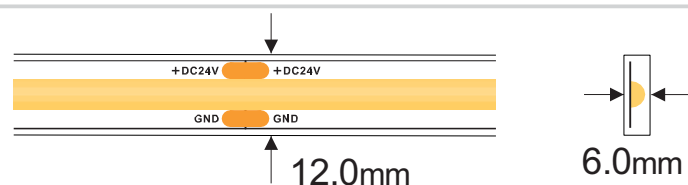
LIFESPAN(L70)	>50,000 HOURS
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DIMENSIONS

IP20



IP67



INSTALLATION

- THE MOUNTING SURFACE MUST BE CLEAN, DRY AND FREE FROM DUST OR GREASE. CAREFULLY UNROLL THE LED STRIP FROM THE REEL.
- MEASURE AND CUT THE LED STRIP TO THE REQUIRED LENGTH (ONLY CUT AT THE PREDEFINED CUT INTERVAL).
- REMOVE THE 3M SELF-ADHESIVE BACKING TAPE FROM THE LED STRIP CAREFULLY. DO NOT REMOVE ALL THE BACKING AT ONCE OTHERWISE THE LED STRIP MAY BECOME ENTANGLED.
- STICK DOWN THE LED STRIP TO THE MOUNTING SURFACE BY PRESSING DOWN GENTLY ON THE LED STRIP. DO NOT APPLY EXCESSIVE FORCE TO THE LED STRIP, OTHERWISE THE LEDS AND COMPONENTS MAY BECOME DAMAGED.
- ONCE THE LED STRIP HAS BEEN MOUNTED, IT IS THEN READY TO BE WIRED AND POWERED.

NOTES

- IT IS NOT RECOMMENDED TO POWER A CONTINUOUS LENGTH LONGER THAN [5M FOR 12V] OR [10M FOR 24V] LED STRIP DUE TO VOLTAGE DROP.
- DO NOT EXCEED THE RATED INPUT VOLTAGE, ALWAYS ENSURE A REGULATED POWER SUPPLY IS USED.