

High-Efficacy Series

2835 LED ARC-24-9W-IP67



Features

1. PLUS Series using top quality material such as San'an chip, strong LED frame etc as standard configuration.
2. Hi-Efficacy Series with 8 LEDs per section, create high brightness output under same power consumption as luminary light engine.

Application

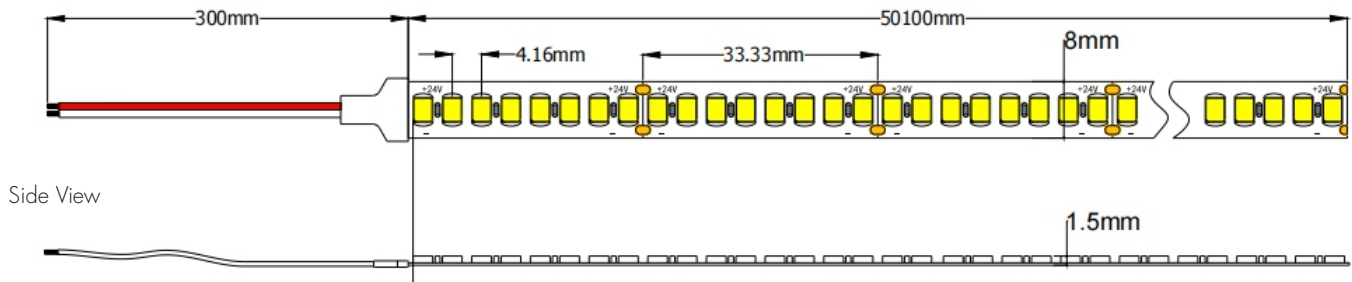
Indirect lighting for showcase, shelf, cabinet, billboard, signage, hotel, garden, bridge, corridor, ceiling, stair, cove, theatre, lift etc.



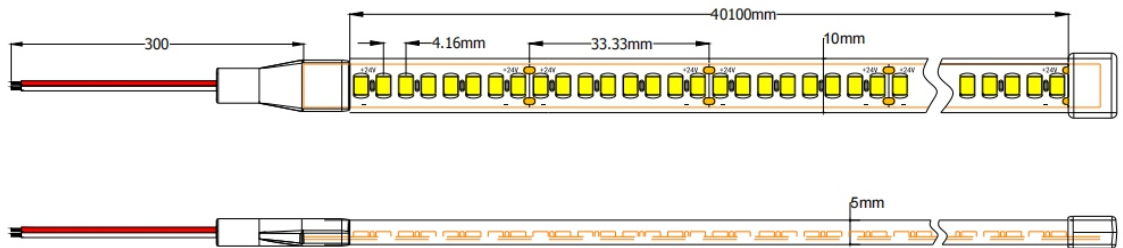
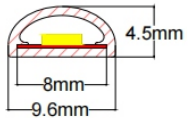
Diagram & Dimension



Front View



IP20



IP67 Plus

Specification

Part No.	Dimension (L*W*H)	IP Rating	Lumen Flux±10%	Light Eff.	Lumen Flux±10%	Light Eff.	Lumen Flux±10%	Light Eff.
ARC-24-9W-IP20	5010*8*1.5mm [197*0.31*0.06in.]	IP20[dry]	1350lm/M[411lm/ft.] (2200K)	150lm/W (2200K)	1500lm/M[457lm/ft.] (2700K)	167lm/W (2700K)	1560lm/M[475lm/ft.] (3000K)	174lm/W (3000K)
			1660lm/M[506lm/ft.] (4000K)	185lm/W (4000K)	1620lm/M[494lm/ft.] (6500K)	180lm/W (6500K)		
ARC-24-9W-IP67	4010*8*1.5mm [197*0.31*0.06in.]	IP67 Plus [wet]	1350lm/M[411lm/ft.] (2200K)	138lm/W (2200K)	1380lm/M[421lm/ft.] (2700K)	154lm/W (2700K)	1440lm/M[439lm/ft.] (3000K)	160lm/W (3000K)
			1530lm/M[466lm/ft.] (4000K)	170lm/W (4000K)	1480lm/M[451lm/ft.] (6500K)	165lm/W (6500K)		

Notice: (1) The lumen flux value above comes from IES report.

(2) The lumen flux value above is base on 1M[3.28ft.] length, it need to be measured and considered separately for other longer lengths.

(3) Energy efficiency class of regulation (EU) 2020/2015 is C[CRI90] for 4000K in IP20, it varies depending on CRI, CCT and IP rating

(4) Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary to 10%.

General Parameters		Photoelectric Parameters	
Standard Length	50M packaging for IP20, 40M packaging for IP67, Max. run length 5m	Power±10%	9W/M
Min. Unit & LED QTY	33.33mm [1.31in.] & 8 LEDs	Input Voltage	24VDC
LED Type	SMD2835 white	LED Current	11-14mA/LED
LED QTY	240LED/M [73LED/ft.]	LED CCT & Wavelength	2200K&2700K&3000K&4000K&5000K&6500K
PCB Type	white FPC, OSP	SDCM	ANSI Norm, 3 step
Operating Ambient	Ta(working):-20~45°C[-4~113°F] & Tstg(storage):-20~60°C[-4~140°F]	CRI	Ra≥90
Warranty	5 years	Beam Angle	120°
Lifespan	L70≥50,000@Tc≤65°C [149°F] (Tc is temperature of LED pin)	Dimming Method	PWM (dimnable driver like RF, Bluetooth, 0/1-10V, Triac, DALI, DMX, WIFI etc.)
Certification	CE, UL, CB, RoHS, LM80		

Note: 1: Applying with extra heat sink is not necessary with self-cooling capacity.

2: One end of 300mm red/white cable or waterproof connector kit according to specific IP rating

3: 3M 5604A VHB red tape attached on backside, natural paper reel and paper bag, are standard configuration of PLUS Series.

4: Installation accessories such as clip, screw, plug etc. are all optional base on specific demand.

IP Rating & Coding



CODE	IP RATING	SKETCH MAP	FEATURE
N	IP20 DC L.V. Series Dry Location	LED ----- FPC	Non-Waterproof
L	IP54 Thin DC L.V. Series Damp Location	LED ----- SILICONE GLUE ----- FPC	Silicone Spraying/Nano Coating Process Anti Splash Water Small Size Change Semi-Seal
C	IP54 DC L.V. Series Damp Location	LED ----- SILICONE GLUE ----- FPC	Silicone Dripping Process Anti Splash Water Small Size Change Semi-Seal
A	IP65 DC L.V. Series Wet Location	LED ----- SILICONE TUBE ----- FPC	Silicone Tube Process Anti Spray Water Tiny Color Shift Full-Seal
B	IP67 DC L.V. Series Wet Location	LED ----- SILICONE GLUE ----- SILICONE TUBE ----- FPC	Silicone Pouring Process Immerse In Water For Short Time (depth 1 meter & less than 30 minutes) Full-Seal
E	IP68 DC L.V. Series Wet Location	LED ----- SILICONE TUBE ----- SILICONE GLUE ----- FPC	Silicone Injection Process Immerse In Water For Long Time (depth 1 meter & within the warranty period) Full-Seal
K	IP54 Plus DC L.V. Series Damp Location	LED ----- SILICONE TUBE ----- FPC	Silicone Extrusion Process Anti Splash Water Small Size Change Tiny Color Shift Semi-Seal
H	IP67 Plus Thin DC L.V. Series Wet Location	LED ----- SILICONE TUBE ----- FPC	Silicone Extrusion Process Immerse In Water For Short Time (depth 1 meter & less than 30 minutes) Small Size Change, Tiny Color Shift Full-Seal
H	IP67 Plus DC L.V. Series Wet Location	LED ----- SILICONE TUBE ----- FPC	Silicone Extrusion Process Immerse In Water For Short Time (depth 1 meter & less than 30 minutes) Tiny Color Shift Full-Seal

Coding Principle of Part No.

GL	-	X	XXXX	XX	-	XX	-	XX	-	XXX	-	XXXX	
I	-	II	III	IV	-	V	-	VI	-	VII	-	VIII	
I.	Company name		GL										
II.	Model designation		A: Silicone tubing B: Silicone tubing, filled by glue C: Silicone glue dripping E: Silicone tubing, injected by glue					N: Non-Waterproof J: Silicone extrude solid K: Silicone extrude half-wrap L: Spray glue/naco coating					
III.	Type of LED		Such as 3528, 2835, 5050, 3014, 5630, 2216, 3535.										
IV.	Color of LED		Any alphabet or digits for internal use.										
V.	Supply voltage		Such as 5V, 12V, 24V, 36V, 48V.										
VI.	Constant current or constant voltage		CC for constant current, CV for constant voltage.										
VII.	LED Qty. per meter		Can be any number between the minimum LED quantity and Maximum LED quantity per meter.										
VIII.	Stream number		Any four alphabets and (or) digits.										

Edition

Release Date

2024.07.31

Issuance of Category

The 1st. Version