

SD90 Series

LED Surface Mounted Downlight



LM80

3/5 Yrs
Warranty



SAA

IP20

TUV

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Introduction

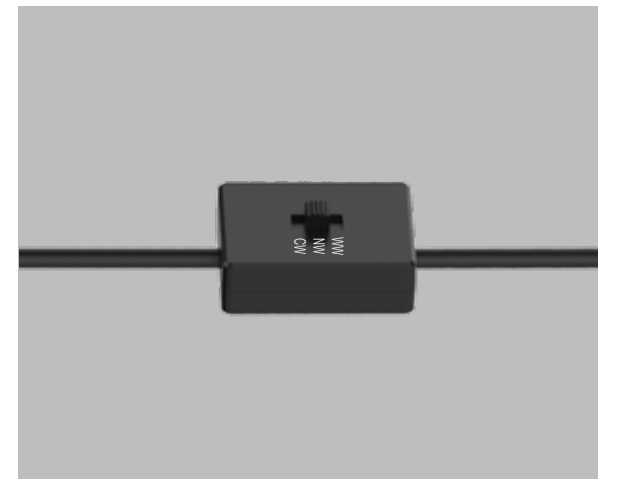
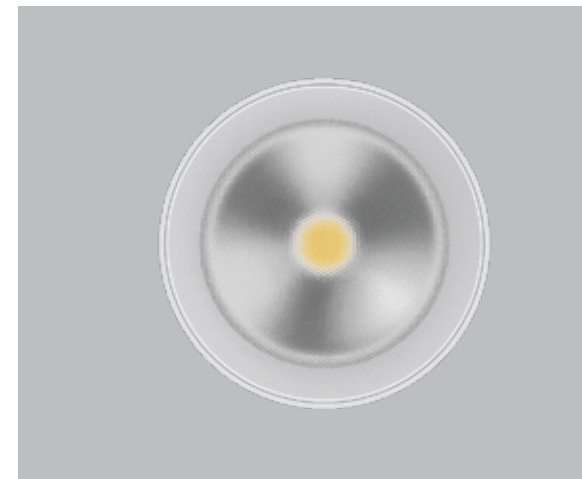
This surface-mounted downlight delivers high lumen output with anti-glare performance, making it an ideal choice for various lighting applications. It features a high-lumen COB chip from the trusted Bridgelux brand, paired with a reflector and convex lens to achieve exceptional light efficiency. The AL6063 aluminum housing ensures excellent heat dissipation, contributing to a longer lifespan. The downlight is available in two elegant finishes: white and black, both accented with a gold trim for a sophisticated decorative effect, suitable for both residential and commercial lighting environments.

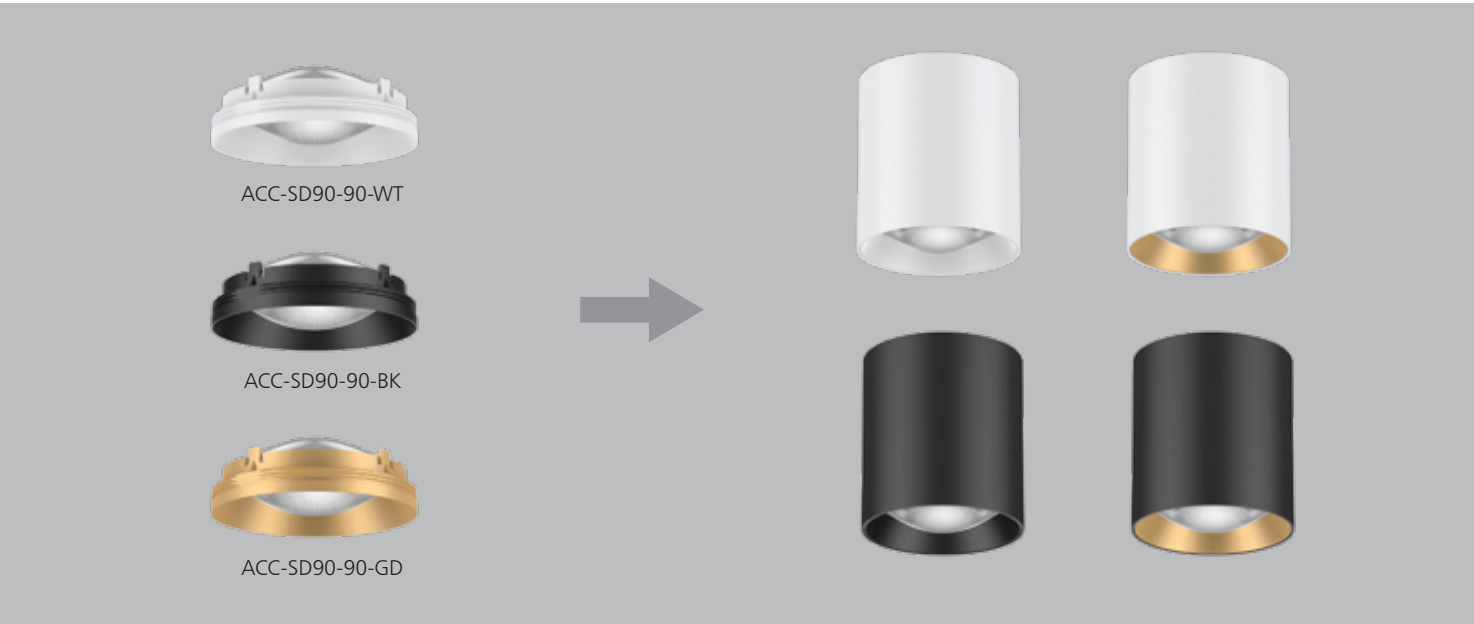
Features

- High lumen efficiency
- Anti-glare design, UGR<19
- Interchangeable CCT(3000K+4000K+5000K) with slide switch
- Finished color: RAL9005 Black/ RAL9016 White with gold trim
- Triac dim
- Internal flicker free driver

Application Areas

It is designed for general lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc.





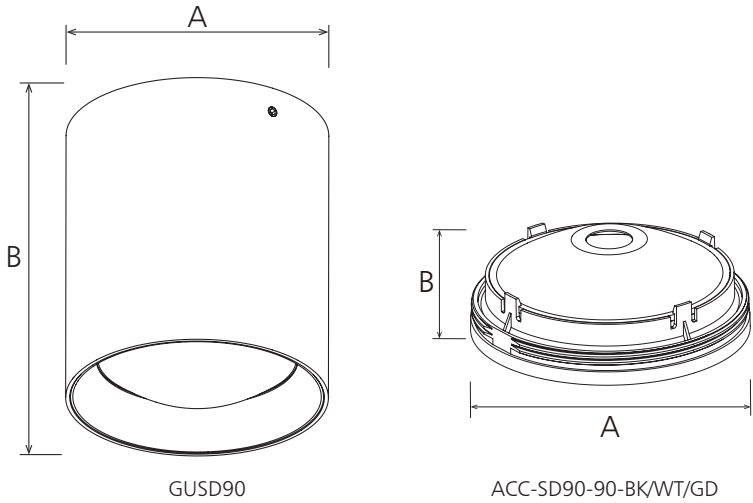
Technical Data Sheet

Code			GUSD90-90-10W	
Dimension(mm)			Ø90*H100mm	
Cutout (mm)			-	
Watt(W)			10W	
Rated Input Voltage			AC220-240V	
Input Voltage			AC220-240V	
LED Module Input			-	
Light Source			COB	
SDCM			<5	
CCT(K)			1-CCT: 2700K/3000K/4000K/5000K 3-CCT: 3000K + 4000K + 5000K	
CCT Selection DIP Switch			YES	
Luminous Flux (lm) ±5% CRI80	1-CCT	Non-DIM	-	
		DIM	900-1050	
	3-CCT	Non-DIM	-	
		DIM	810-1000	
CRI			80/90+	
Beam Angle (°)			70°	
UGR			<19	
LED Driver			Driver built-in	
Dimming Option			Triac	
Sensor			No	
Emergency Kits			No	
Electrical Class			Class I	
Ingress Protection(IP Rating)			IP20	
Impact Resistance(IK Rating)			IK06	
Product Finishing			White RAL9016 & Black RAL9005	
Optics Material			PMMA/PC	
Housing Material			Aluminium	
Lifetime (hr)			50,000h	
Glow wire test (°C)			750°C	
Operating Temp.(°C)			-20°C~45°C	
Storage Temp.(°C)			-20°C~65°C	
Installation			Surface mount	



Measurement

Code	Dimension(mm)		Size(mm)
	A	B	
GUSD90-90-10W	90	100	90*100
ACC-SD90-90-WT	86.7	30.2	86.7*30.2
ACC-SD90-90-BK			
ACC-SD90-90-GD			



Driver Datasheet(Triac Dimmable)

Total load wattage		10W
Output	Rated output current	180mA
	Output Voltage range	DC30-40V
	Line Regulation	±5%
	Setup, Rise Time	<500ms@230V
	Flickering Index	5%(LOW RISK)
Input	Rated Input Voltage	AC220-240V
	Input Voltage	AC220-240V
	Frequency	50Hz
	Rated Input Current	≤0.05
	Input Current	≤0.05
	Power Factor	0.85
	THD	-
	Efficiency	≥79%
	No load wattage	<1W@230V
Protection	Short circuit protection	PASS
	Over voltage protection	PASS
	Over temperature protection	PASS
Safety &EMC	Withstand voltage	I/P-FG:1.5KVac, <5mA 60S
	Isolation Resistance	500VDC, ≥2M Ω
	Surge	IEC/EN61000-4-5(P<25W; L-N:500V, L/N-PE:1KV)
	EMC Emission	EN55015, EN61000-3-2
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547