

IBSP222 Series Recessed LED Downlight |

Key Features

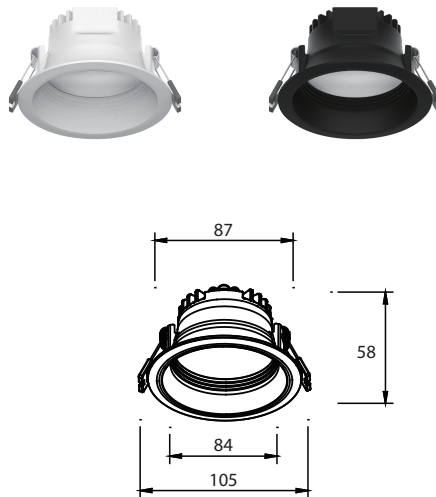
- **Compact Design**
Only 58mm height, ideal for shallow ceiling installations and space-limited projects.
- **Reliable Thermal Construction**
Die-cast aluminum housing with integrated heatsink for stable, long-term operation.
- **Custom Branding Capability**
Customizable logo plate, ideal for brand projects and OEM/ODM requirements.



Applications

Designed for:

- **Hospitality** : Guestrooms, suites, restaurants
- **Corridors & Circulation Areas** : Controlled beam angles for functional and aesthetic lighting.
- **High-End Residential** : Living spaces, kitchens
- **Accent & Display Lighting** : Perfect for highlighting artworks, textures, and architectural details.



IBSP222CT090

Measurement

Model	Dimension(mm)				Watt(W)	Cutout(mm)	Product Weight (Kg)
	A	B	C	D			
IBSP222CT090	105	58	87	84	12W	Ø90-95	0.18

Technical Specifications

Model No.		IBSP222CT090	IBSP222CT090	IBSP222CT090
Size(mm)		Ø105*58	Ø105*58	Ø105*58
Cutout(mm)		Ø90-95	Ø90-95	Ø90-95
Watt(W)		8W	10W	12W
Optical	Luminous Flux (lm) @4000K	800	1000	1200
	Light Source	SMDLED		
	LED Brand	Bridgelux / Hongli (optional)		
	SDCM	<5		
	CCT(K)	2700K / 3000K / 3500K / 4000K / 5700K / 6500K		
	CRI	Ra≥80/90		
	Beam Angle (°)	60°		
	UGR	<19		
Electrical	LED Driver	Lifud / BOKE / Tridonic		
	Rated Input Voltage(V)	AC200-240V 50/60Hz		
	Power Factor	>0.9		
	Efficiency	≥82%	≥84%	≥84%
	Rated Input Current	≤0.065A	≤0.065A	≤0.065A
	Full load output voltage	DC28-42V	DC 28-42V	DC 28-42V
	Rated output curent	200mA	250mA	300mA
	Dimming Option	Non-dimmable / 1-10V / Triac / DALI dimmable / Casambi		
	Power tolerance	±5%		
	Current output tolerance	±5%		
	Protection Class	Class II		
	Short circuit protection Over voltage protection Over temperature protection	PASS		
	THD	≤20%@230V		
	Surge	L-N:2KV		
Withstand voltage	I/P-O/P:3.75KV AC			
Mechanical	Finishing color	Black / White		
	Material	Aluminium		
	IP Rating	IP20 / IP50		
Environmental	Lifetime (hr)	50,000 @ BK-BEL013		
	Driver TA(°C)	50°C @ BK-BEL013		
	Driver TC(°C)	85°C @ BK-BEL013		

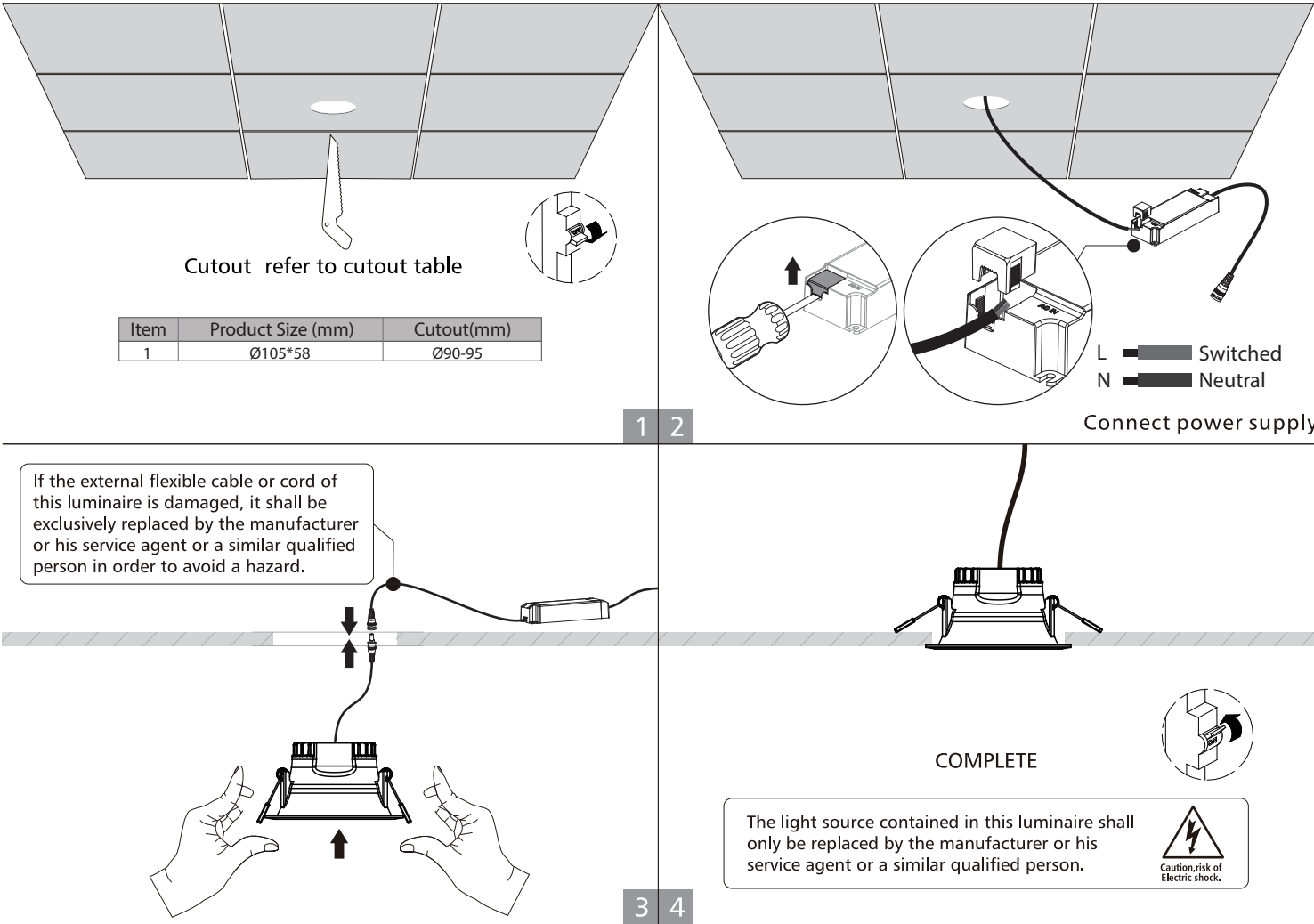
Installation Procedure

WARNING ⚡

- 1.Switch off before installation.
- 2.Switch on only after complete installation and examination of the circuit.
- 3.Professional electrician for installation and maintenance only.



■ Turn Off power supply before starting any installation. Read instructions & check you have all the tools & accessories to complete the installation correctly.



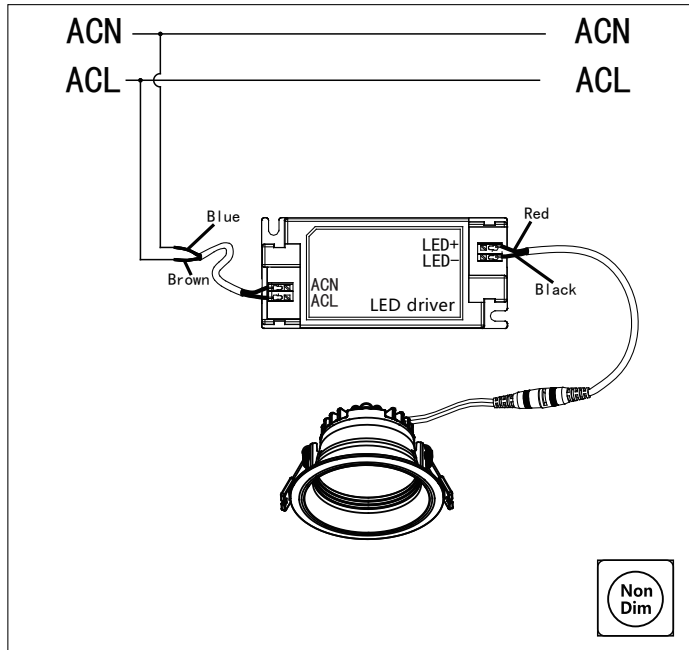
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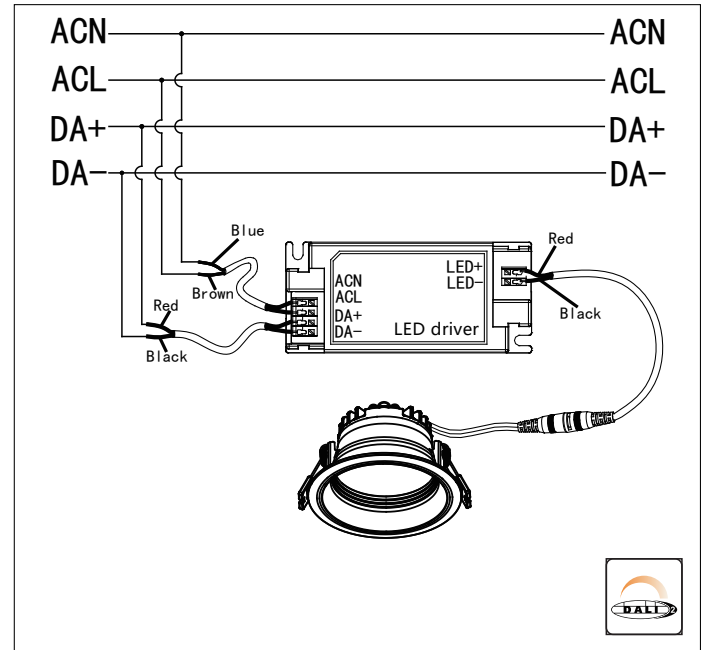
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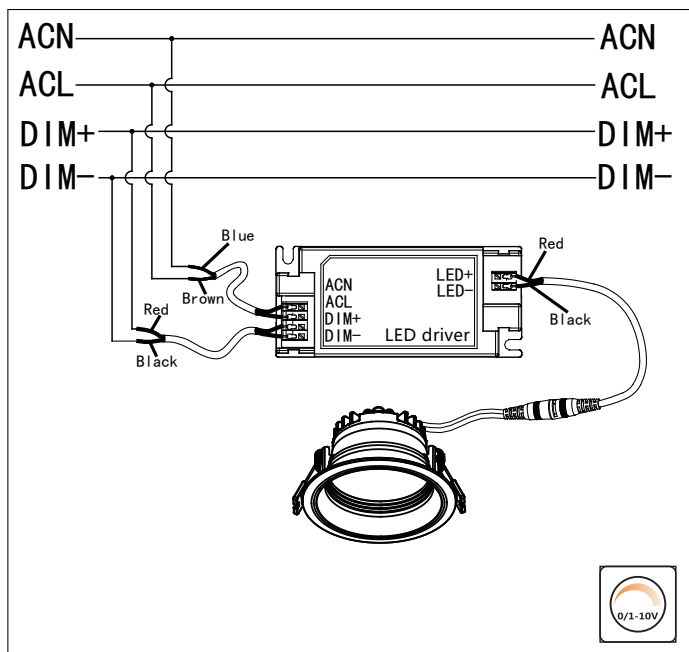
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ON/OFF Wiring



DALI Wiring



0/1-10V Wiring

■ Product Size&Watt

Item	Product Size (mm)	Watt(W)
1	Ø105*58	8W
2	Ø105*58	10W
3	Ø105*58	12W