Entry / ECO | Standard / STD | Professional / PRO | ODM & OEM | Intelligent / INT

STD
Specifications







LED Downlight

DL294 Series

BA LIGHTING



Introduction

This lamp adopts fireproof bracket and aluminium heat sink, which not only meets the fireproof structure demand but also offers a good heat dissipation performance. It adopts high lumen SMD light source and optic lens with uniform light output. Four cover options: white, black, silver and nickel brushed. What’s more, the cover is fixed by magnetic design, and it has a hidden slide switch for CCT, convenient for CCT change and cover change.

Features

- Group design:Type A slim body, Type B deep design with anti-glare effect, Type C Gyro 360degree.
- Fireproof: 30Min/60Min/90Min.
- IP65 in front part.
- Type A & Type B with replaceable cover by magnetic design.
- Front slide switch (Type A&B), back slide switch (Type C) for interchangeable CCT.
- Flicker free driver with a 6 bit quick connector inside, screwless cord grip design.
- IC approved, can be covered directly under insulation material.
- Triac dimming.

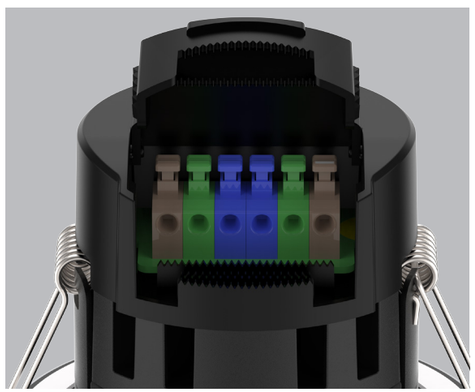
Application Areas

It is designed for general lighting applications in supermarket, shop, hotel, home etc.

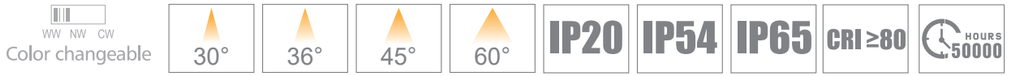


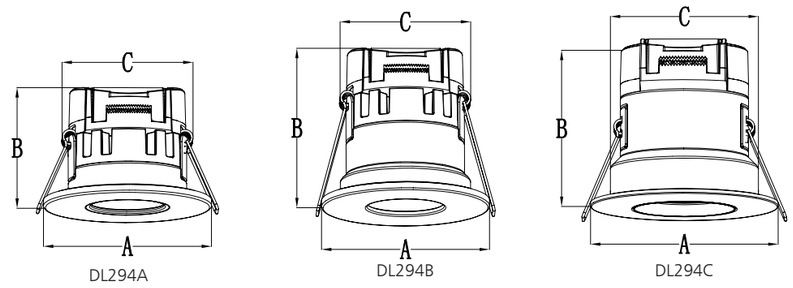












Technical Data Sheet

Code No.			DL294A-2.5-6W	DL294B-2.5-6W		DL294C-2.5-6W
Dimension(mm)			Ø85*60	Ø85*80		Ø95*82
Cutout (mm)			Ø68-75			Ø78-85
Watt(W)			6W			
Rated Input Voltage(V)			AC230V			
Input Voltage(V)			AC200-240V			
LED Module Input			–			
Light Source			2835 SMD			
SDCM			≤6			
CCT(K)			1-CCT: 2700K/3000K/4000K/5000K/5700K || 3-CCT: 3000K + 4000K + 5700K /2700K+3150K+4000K			
CCT Selection DIP Switch			YES			
Luminous Flux (lm) ±5%	Non-DIM	1-CCT	-			
	DIM	1-CCT	580-650	480-550 (White)	380-450(Black)	580-650
	Non-DIM	3-CCT	-			
	DIM	3-CCT	580-650	480-550 (White)	380-450(Black)	580-650
CRI			≥80			
Beam Angle (°)			36° / 60°	30° / 60°		36°/ 60°(1-CCT) 45°/ 60°(3-CCT)
UGR			-		<19(30°) / <22(60°) (Black)	-
LED Driver			Built-in			
Dimming Option			Triac			
Sensor			NO			
Emergency Kits			NO			
Electrical Class			Class I			Class I I
Ingress Protection (IP Rating)			IP65(Below Ceiling) IP20(Inside Ceiling)			IP54(Below Ceiling) IP20(Inside Ceiling)
Impact Resistance (IK Rating)			-			
Product Finishing(Base)			Black RAL 9005			
Materials of Optics			PC			
Materials of Housing			Aluminum /SPCC/PC			
Lifetime (hr)			50,000h			
Glow wire test (˚C)			850˚C			
Operating Temp. (˚C)			-20˚C ~40˚C			
Storage Temp. (˚C)			-20˚C ~65˚C			
Installation			Recessed			

Measurement

Code	Dimension(mm)			Size(mm)	Product Weight (Kg)		Package weight (Kg)		Carton Size(cm)	Qty/CTN	20GP (pcs)	40HQ (pcs)
	A	B	C		N.W/PC	G.W/PC	N.W/CTN	G.W/CTN				
DL294A-2.5"	85	60	66	Ø85*61	0.2	0.236	8.49	9.1	43*33*29	36PCS	25920	61560
DL294B-2.5"	85	80	66	Ø85*81	0.23	0.266	9.57	10.18	43*33*29	36PCS	25920	61560
DL294C-2.5"	95	82	75	Ø95*82	0.325	0.34	14.4	15.24	52*39.5*30.5	36PCS	15840	37440

Driver Datasheet (Triac Dimmable)(A/B)

Total load wattage		6W
Output	Output Voltage range	DC48-60V
	Rated output current	95mA
	Line Regulation	±5%
	Setup, Rise Time	<0.5S
	Flickering Index	Pst LM≤1.0, SVM≤0.4
Input	Input Voltage	AC200-240V
	Rated Input Voltage(V)	AC230V
	Frequency	50Hz
	Input Current	<0.05A
	Rated Input Current	0.03A
	Power Factor	0.85
	THD	<40%
	Efficiency	>80%
	No load wattage	<0.5W
Protection	Short circuit protection	Pass
	Over voltage protection	Pass
	Over temperature protection	Pass
Safety &EMC	Withstand voltage	O/P-FG:0.5KVac,<5mA 60S
	Isolation Resistance	I/P-O/P: 500VDC, ≥100M Ω
	Surge	IEC/EN61000-4-5(P<25W; L-N:500V,L/N-PG:1000V)
	EMC Emission	EN55015, EN61000-3-2
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547

Driver Datasheet (Triac Dimmable)(C)

Total load wattage		6W
Output	Output Voltage range	DC23-40V
	Rated output current	140mA
	Line Regulation	±5%
	Setup, Rise Time	<0.5S
	Flickering Index	<5%(LOW RISK)
Input	Input Voltage	AC200-240V
	Rated Input Voltage(V)	AC230V
	Frequency	50Hz
	Input Current	<0.04A
	Rated Input Current	<0.03A
	Power Factor	0.85
	THD	-
	Efficiency	>75%
	No load wattage	<0.7W
Protection	Short circuit protection	Pass
	Over voltage protection	Pass
	Over temperature protection	Pass
Safety &EMC	Withstand voltage	O/P-FG:0.5KVac,<5mA 60S
	Isolation Resistance	I/P-O/P: 500VDC, ≥100M Ω
	Surge	IEC/EN61000-4-5(P<25W; L-N:500V,)
	EMC Emission	EN55015, EN61000-3-2
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547

Installation Procedure

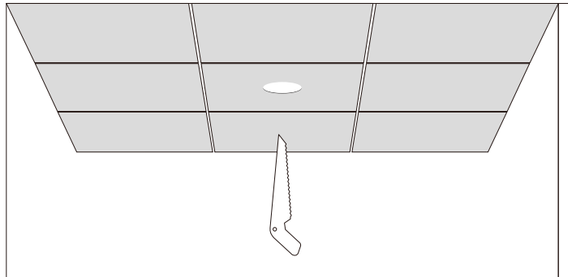
WARNING

1.Switch off power supply before installation / maitenance.
2.Switch on only after complete installation and examination of the circuit.
3.Professional electrician for installation and maintenance only.
4.Input wire diameter ≥0.75mm²;
5.Product modification and improper installation are not valid for warranty!
6.Light source of the luminaire is non-user-replaceable, if it is damaged, the luminaire shall be destroyed.
7.Warning-risk of overheating or fire if the clearance distances are compromised!

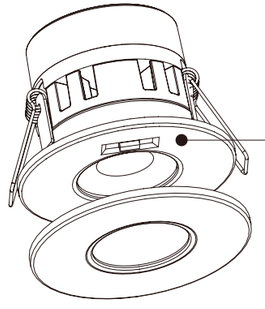


CAUTION
Risk of electric shock

Downlight with internal driver(A/B)

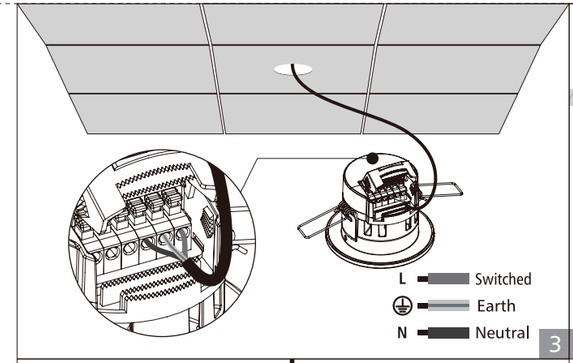


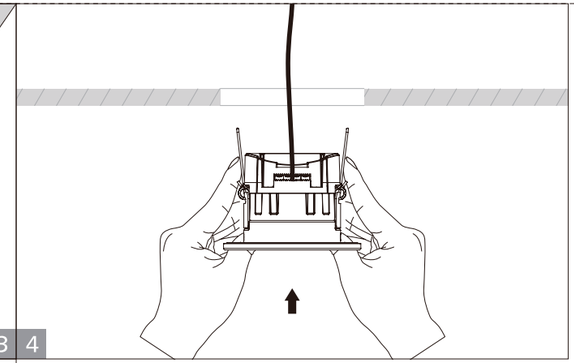
Cutout (refer to cutout table)



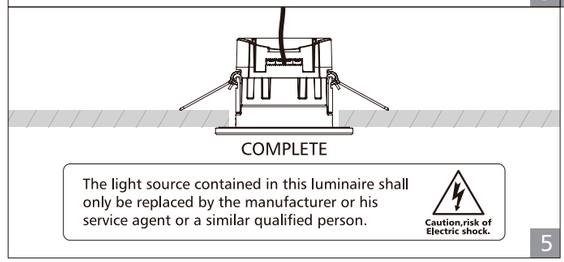
select preferred colour temperature for product in CCT change function only

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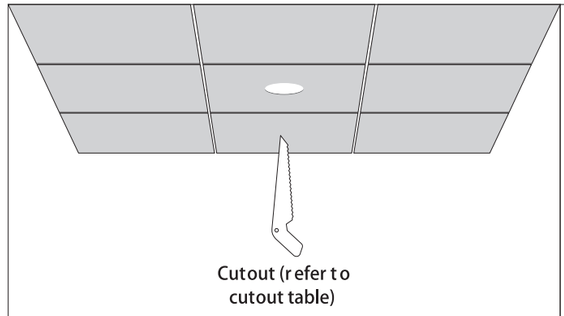


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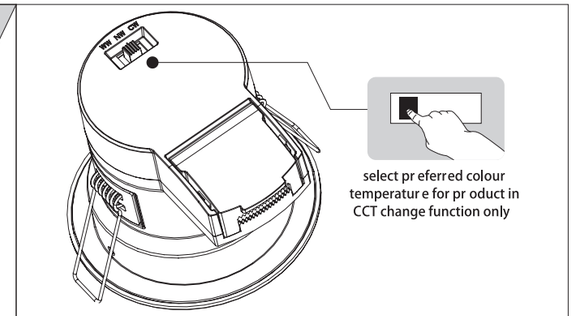


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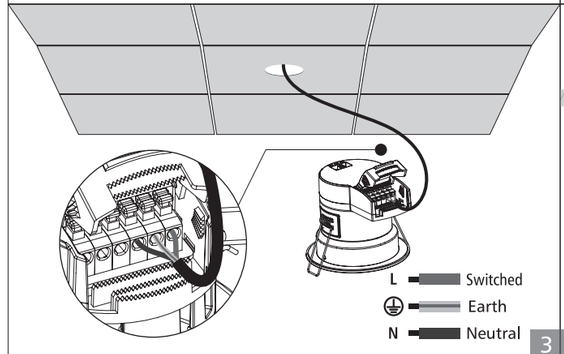
Downlight with internal driver(C)

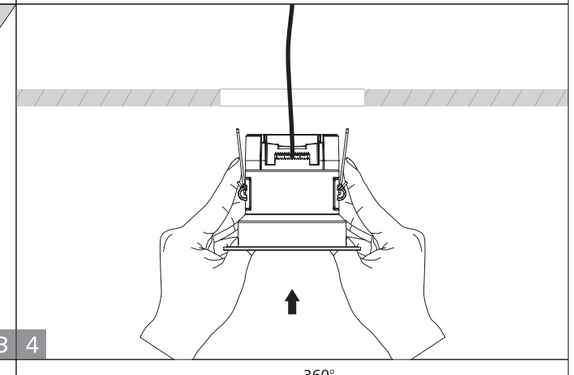


Cutout (refer to cutout table)

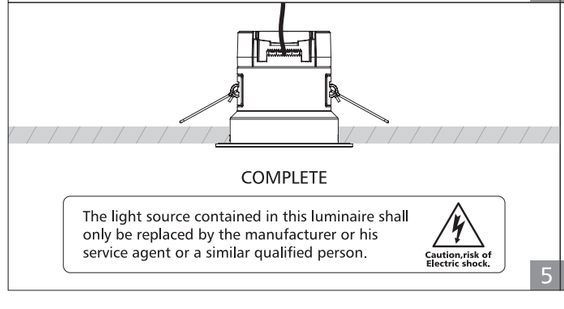


select preferred colour temperature for product in CCT change function only

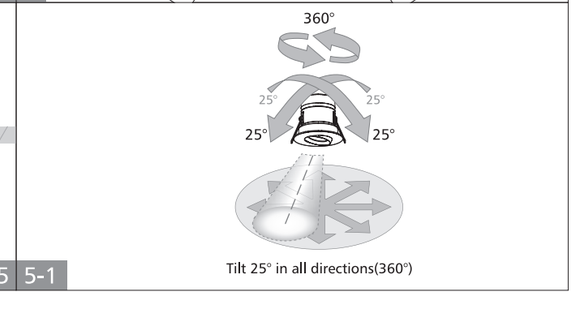




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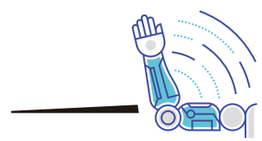
Tilt 25° in all directions(360°)

ECO
Specifications

STD
Specifications

PRO
Specifications

ODM
Specifications



INT
Intelligent

BA
LIGHTING