LightFEEL

SL-DL170

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Introduction

DL170L

DL170R

DL170 is a trim cover exchangeable modular downlight, the modular come with two optional optical module: reflector type and lens type, It can be switched by end user directly, 36° and 60° beam angle available for each type.

Features

1. AL6063 Aluminum heat sink provides excellent heat dissipation.
2. Modular design, the trim cover can be changed easily into different type.
3. The modular come with two optional optical types. 36° and 60° beam angle available for each type.
4. Adopts high quality Citizen COB LED, with high CRI, packs high lumen output,which can perfectly present the color of the object.

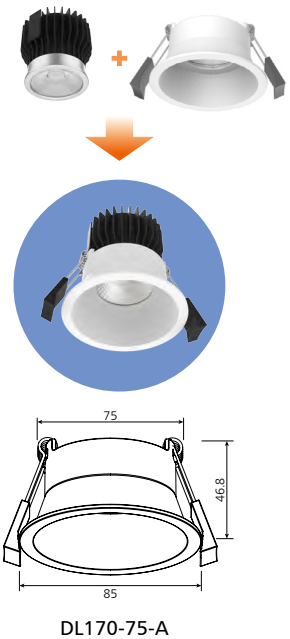
Application Areas

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.

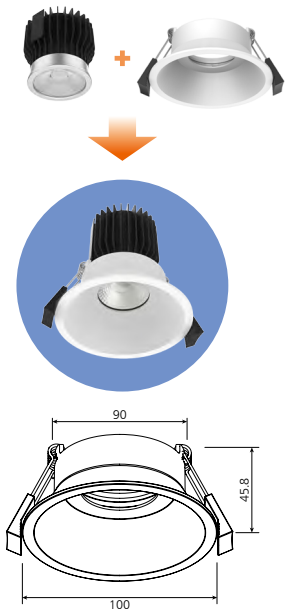
LED Downlight

Measurement

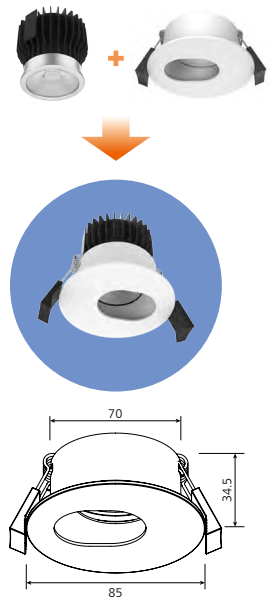
Model	Cutout(mm)	Product Weight (Kg)		Package weight (Kg)		Carton Size(cm)	Qty/CTN	20GP (pcs)	40HQ (pcs)
		N.W/PC	G.W/PC	N.W/CTN	G.W/CTN				
DL170-75-A	Ø75-80	0.075	0.095	7.5	11	49.5*49.5*28	100	35200	82800
DL170-90-A	Ø90-95	0.09	0.12	9	14	57*57*28	100	32000	72000
DL170-75-B1	Ø70-80	0.11	0.13	11	15	49.5*49.5*24	100	82800	101200
DL170-75-B2	Ø70-80	0.11	0.13	11	15	49.5*49.5*24	100	82800	101200
DL170-90-B	Ø90-95	0.095	0.099	9.5	11.34	57*44.5*46.5	100	23500	57000
DL170-75-C	Ø70-80	0.07	0.09	7	10.5	52*52*11	100	184800	211200
DL170-90-D	Ø90-95	0.105	0.135	10.5	15.5	62*50*27	100	57600	64800
DL170-90-E	90-95	0.115	0.157	11.5	17	62*37*46.5	100	26000	63000
DL170-100-A	95-100	0.16	0.203	16	21.6	69.5*32*50.5	80	24500	60000



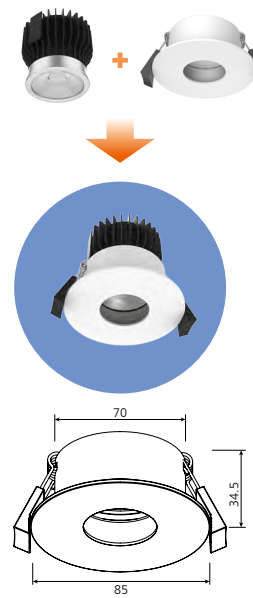
DL170-75-A



DL170-90-A



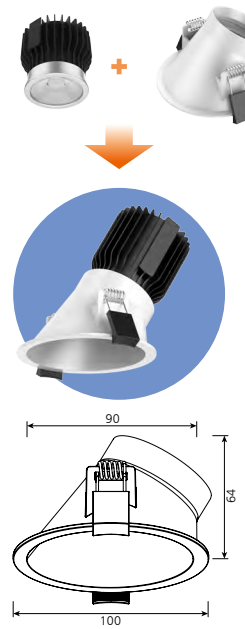
DL170-75-B1



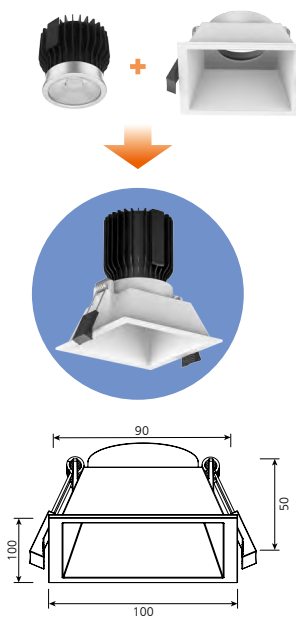
DL170-75-B2

DL170-75-C

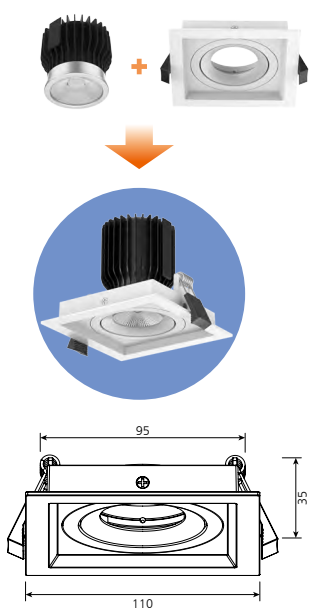
DL170-90-D



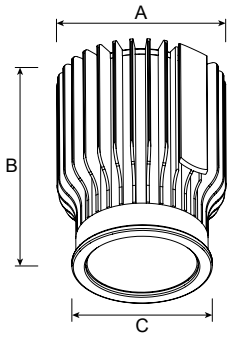
DL170-90-B



DL170-90-E



DL170-100-A



Measurement (Package information only for module)

Model	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				
10W	60	61	50	Ø50*61	0.17	0.22	22	23.5	46*47*37	100	36000	84000
13W	60	61	50	Ø50*61	0.17	0.22	22	23.5	46*47*37	100	36000	84000
18W	60	81	50	Ø50*81	0.25	0.32	16	17.5	49.5*37*30	50	23100	55200

Technical Data Sheet

Model No.			DL170-10W	DL170-13W	DL170-18W
Watt(W)			10W	13W	18W
Dimension(mm)			Ø50*61	Ø50*61	Ø50*81
Input Voltage(V)			AC230V		
Rated Input Voltage(V)			AC220-240V		
LED			COB		
SDCM			<6		
CCT(K)			1-CCT: 2700K / 3000K / 4000K / 5000K		
"Luminous Flux (lm) ±5%	1-CCT	DIM	890-960	1180-1420	1900-2100
		Non-DIM	900-1000	1200-1490	1930-2130
CRI			≥80		
Beam Angle (°)			36°/60°		
LED Driver			Built-out		
DIM			Triac		
Protection Class			Class II		
IP Rating			IP20		
Finishing color			Black RAL 9005		
Material			PMMA / Aluminium		
Lifetime (hr)			50,000		
Glow wire test (°C)			650°C		
Operating Temp.(°C)			-20°C ~40°C		
Storage Temp.(°C)			-20°C ~65°C		
Installation			Recessed		
Brand Driver option			Philips, Tridonic, Meanwell		

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Driver Datasheet (Non-Dimmable)

Power	10W	13W	18W
Rated Input Voltage(V)	AC230V		
Frequency	50/60Hz		
Input Voltage	AC220-240V		
Efficiency	≥82%	≥83%	≥84%
Total load wattage	10W±1W	13W±1W	18W±1W
Power Factor	0.9		
Rated Input Current	≤0.06A	≤0.07A	≤0.1A
Full load output voltage	DC28-40V	DC28-40V	DC28-40V
Rated output curent	230mA	300mA	450mA
Output current range	230mA±5%	300mA±5%	450mA±5%
Power tolerance	±5%		
Current output tolerance	±5%		
Short circuit protection	PASS		
Over voltage protection	PASS		
Over temperature protection	PASS		
THD	–		
Surge	L-N 500V		
Withstand voltage	AC3750V		

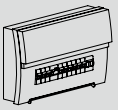
Driver Datasheet (Triac Dimmable)

Power	10W	13W	18W
Rated Input Voltage(V)	AC230V		
Frequency	50Hz		
Input Voltage	AC200-240V		
Efficiency	≥80%	≥82%	≥85%
Total load wattage	10W±1W	13W±1W	18W±1W
Power Factor	0.9		
Rated Input Current	≤0.06A	≤0.08A	≤0.1A
Full load output voltage	DC23-40V	DC23-40V	DC23-40V
Rated output curent	230mA	280mA	430mA
Output current range	230mA±5%	280mA±5%	430mA±5%
Power tolerance	±5%		
Current output tolerance	±5%		
Dimming Range	8%-100%		
Short circuit protection	PASS		
Over voltage protection	PASS		
Over temperature protection	PASS		
THD	<20% @ 230V		
Surge	L-N 500V		
Withstand voltage	AC3750V		

Installation Procedure

WARNING

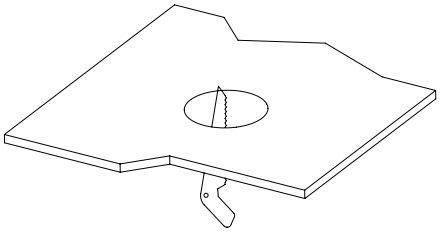
1.Switch off before installation.
2.Switch on only after complete installation and examination of the circuit.
3.Professional electrician for installation and maintenance only.



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

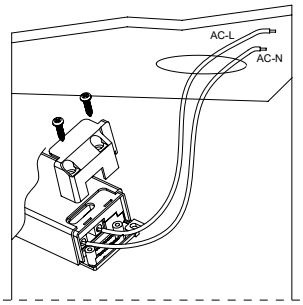
Installation

Step 1



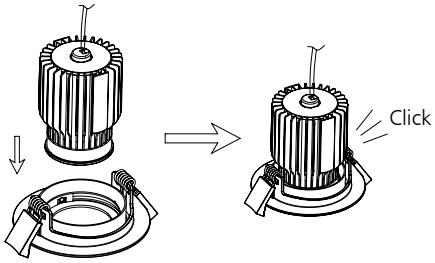
Open a hole according to the cutout size of LED downlight.

Step 2



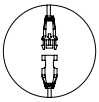
Use screw-driver to open the driver terminal cover, feed the main AC wire L. N. in terminal block respectively, then fix the cover back.

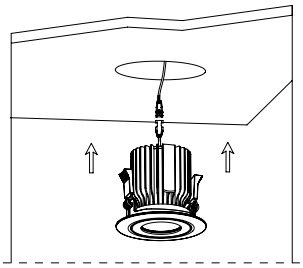
Step 3



Insert the module into the trim cover.

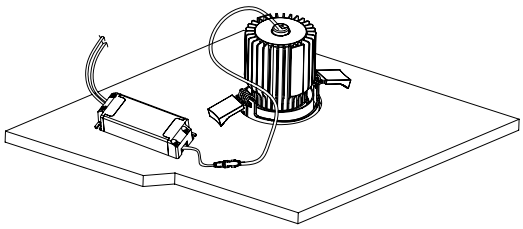
Step 4





Connect the downlight with driver, hold back the spring clip then push the downlight into the hole.

Step 5



Make sure the downlight fixed tightly in ceiling, turn on the power.