

# LED Surface Mounted Downlight

DL129

**luzon**  
lighting™

# Introduction



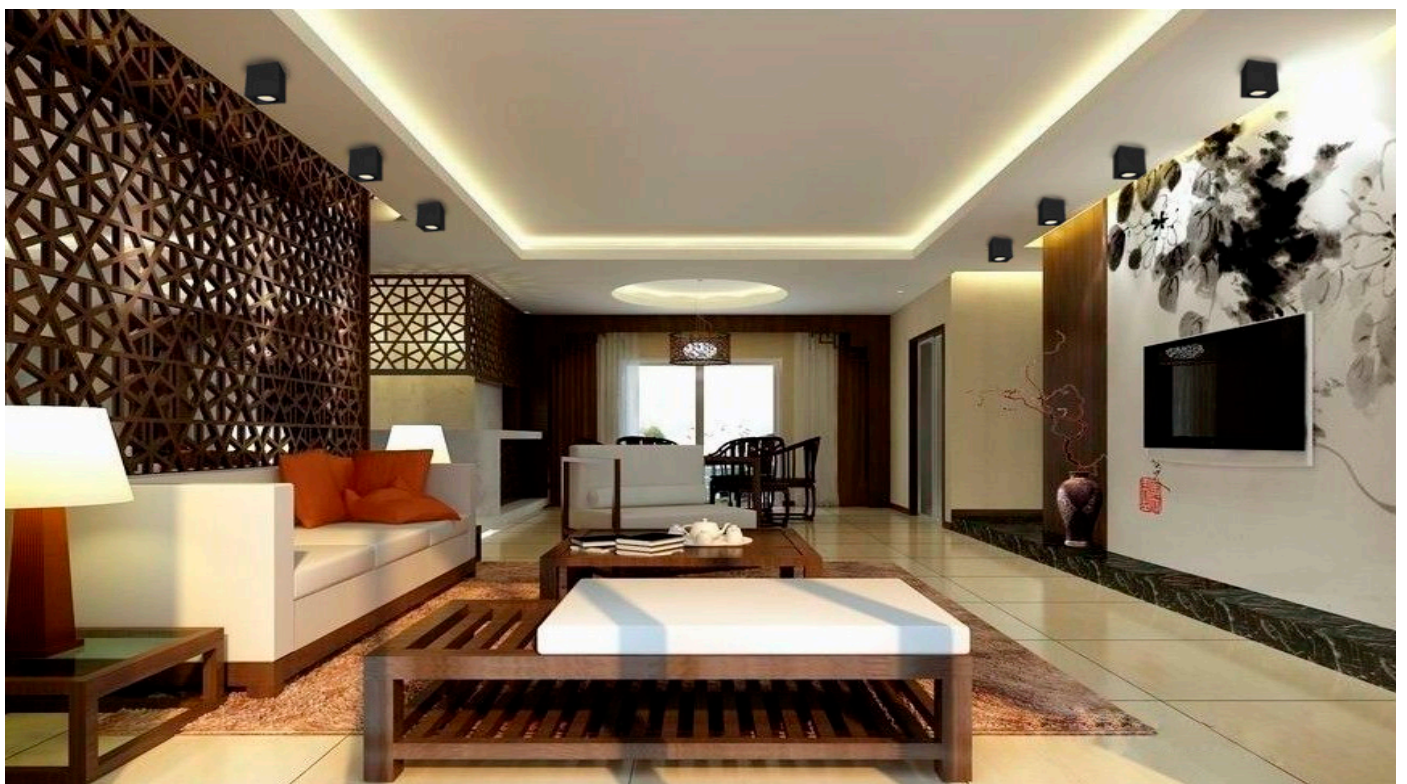
- ◀ Surface mounted down light adopts brand COB and high reflective (more than 88%) reflector which make sure the high luminous; The ADC12 heat sink and multi-layer structure provide excellent thermal dissipation; Adjustable lighting direction-rotate 350° in horizontal and 25° in vertical- offers all possible lighting effects. Built-in driver solution both in dim and Non-dim version achieves great dimming compatibility with the worldwide brand dimmers.

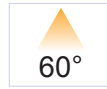
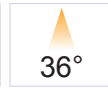
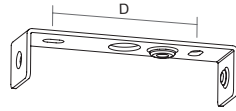
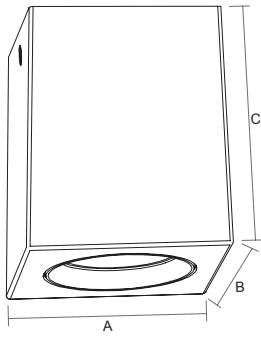
## Features

1. Compact design, built-in driver
2. Quick-connect terminal for easier installation.
3. Triac Dimmable version available.
4. Adjustable lighting direction: 350° in horizontal and 25° in vertical.
5. Aluminum fixture provides excellent heat dissipation.
6. Internal Driver

## Application Areas

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





## Measurement

MM	Dimension(mm)				Size(mm)	Product Weight (Kg)		Package weight (Kg)		Carton Size(cm)	Qty/CTN	20GP (pcs)	40HQ (pcs)
	A	B	C	D		N.W/PC	G.W/PC	N.W/CTN	G.W/CTN				
90	90	90	110	56	90*90*110	0.6	0.67	14.4	17.5	50.5*38*30	24	11400	27840
115	115	115	122	80	115*115*122	0.9	1	16.2	19.5	45.5*45.5*32	18	7470	18180

## Technical Data Sheet

Power		DL129-90-6W		DL129-90-10W		DL129-115-20W	
Watt(W)		6W		10W		20W	
Dimension(mm)		90*90*110				115*115*122	
Rated Input Voltage(V)		AC100-240V    AC230V					
Input Voltage(V)		AC85-265V    AC200-240V					
LED		COB					
SDCM		<6					
CCT(K)		2700K / 3000K / 4000K / 5000K					
"Luminous Flux (lm) ±10%"	1-CCT	Non-DIM	580-630		870-1030		2050-2350
		DIM	570-620		850-1010		2000-2300
CRI		≥80					
Beam Angle (°)		24° / 36° / 60°					
LED Driver		Built-in					
DIM		Triac DIM					
Protection Class		Class I					
IP Rating		IP20					
IK Rating		-					
Finishing color		Black, RAL9005					
Material		ADC12					
Lifetime (hr)		50,000h					
Glow wire test (°C)		650°C					
Operating Temp.(°C)		-20°C ~45°C					
Storage Temp.(°C)		-20°C ~65°C					
Installation		Surface mount					
Brand Driver option		-					
Withstand		AC1500V					

## Driver Datasheet (Non-dimmable)

Power	6W	10W	20W
Rated Input Voltage(V)	AC100-240V		
Frequency	50/60Hz		
Input Voltage	AC85-265V		
Efficiency	≥80%	≥82%	≥85%
Total load wattage	6W±0.5W	10W±0.5W	20W±5%
Power Factor	0.9		
Rated Input Current	≤0.07A	≤0.12A	≤0.23A
Full load output voltage	DC28-40V	DC28-40V	DC28-40V
Rated output current	140mA	230mA	480mA
Output current range	140mA±5%	230mA±5%	480mA±5%
Power tolerance	5%		
Current output tolerance	5%		
Short circuit protection	PASS		
Over voltage protection	PASS		
Over temperature protection	PASS		
THD	@230VAC ≤20%	-	@230VAC ≤20%
Surge	L-N 500V / L.N-PE 1KV		L-N 500V / L.N-PE 2KV
Withstand voltage	AC3750V		

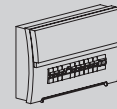
## Driver Datasheet (Triac Dimmable)

Power	6W	10W	20W
Rated Input Voltage(V)	AC230V		
Frequency	50Hz		
Input Voltage	AC200-240V		
Efficiency	78%	78%	80%
Total load wattage	6W±0.5W	10W±1W	20W±5%
Power Factor	0.85		
Rated Input Current	≤0.04A	≤0.06A	≤0.12A
Full load output voltage	DC28-40V	DC30-40V	DC30-40V
Rated output current	140mA	230mA	470mA
Output current range	140mA±5%	230mA±5%	470mA±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	-		
Surge	L-N 500V / L.N-PE 1KV		L-N 1KV / L.N-PE 2KV
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.



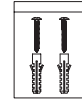
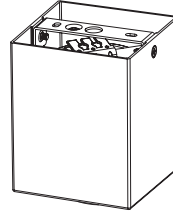
Turn Off  
Power Supply

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

## ■ Surface Mounted Installation

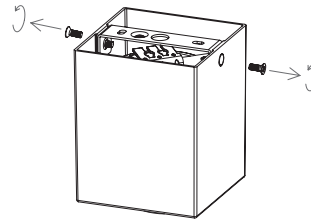
### Step 1

Take out the lamp and accessory pack.



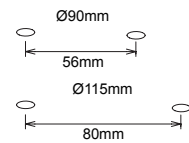
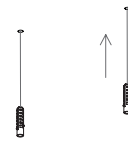
### Step 2

Loosen the screws on surface mounted frame.



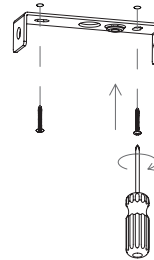
### Step 3

Knock the anchor into the ceiling according to the hole distance.



### Step 4

Fix the frame by screws.



### Step 5

Fix the "L""N""G" into the terminal block.



— L = BROWN  
— N = BLUE  
— ⊕ = YELLOW-GREEN

### Step 6

Screw back the lamp to the frame according to step 2, adjust the lighting direction.

