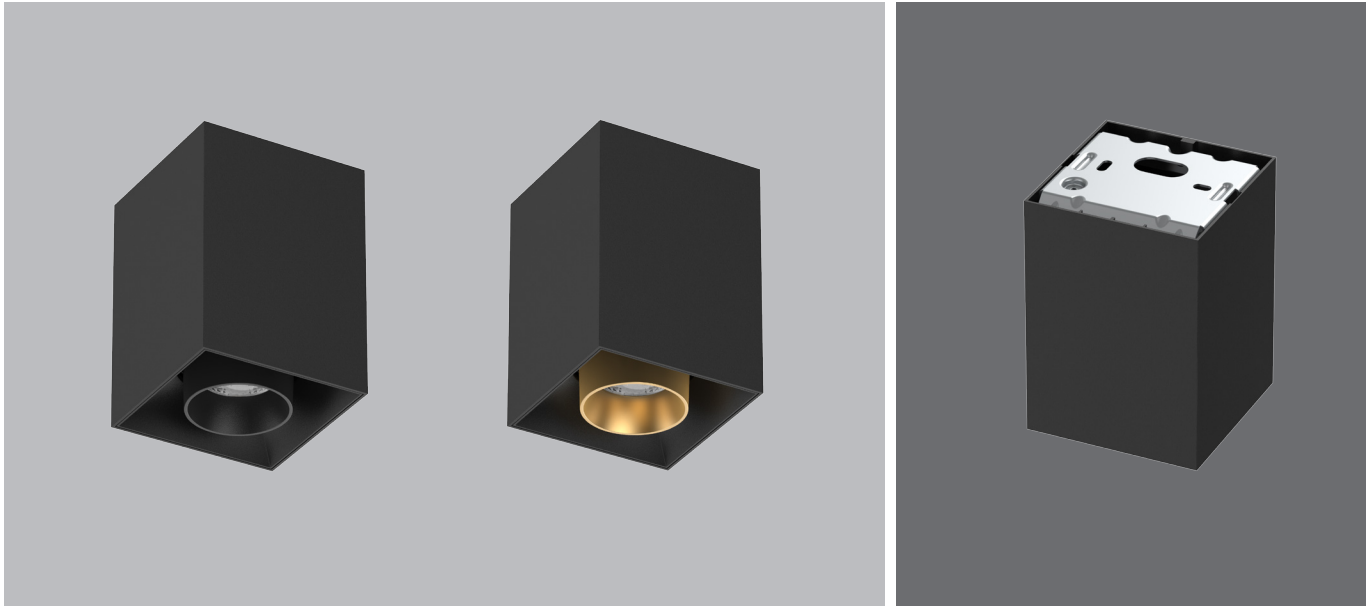
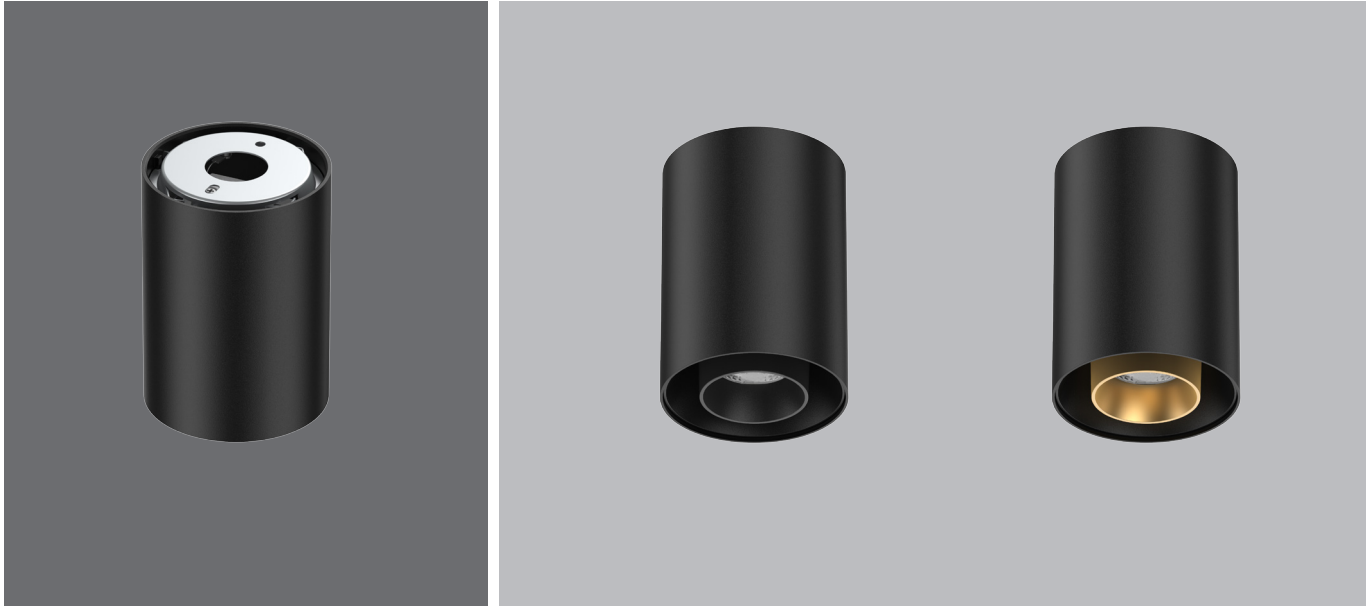


RESIDENTIAL

LIGHTING



LED Downlight
SPARK
DL411 Series



DL411

IP20

This surface mounted downlight adopts brand COB and high reflection reflector optical components, providing uniform and high lumen output. With an ADC12 aluminum housing, it offers excellent heat management performance to ensure a long lifespan. Adjustable lighting direction with a horizontal rotation of 355° and vertical rotation of 20°, offering all possible lighting effects. The built-in driver solution (dimming and non-dimming versions) ensures excellent dimming compatibility with global brand dimmers. Three different colored front rings are available to meet various customer needs.

LED Downlight

FEATURES

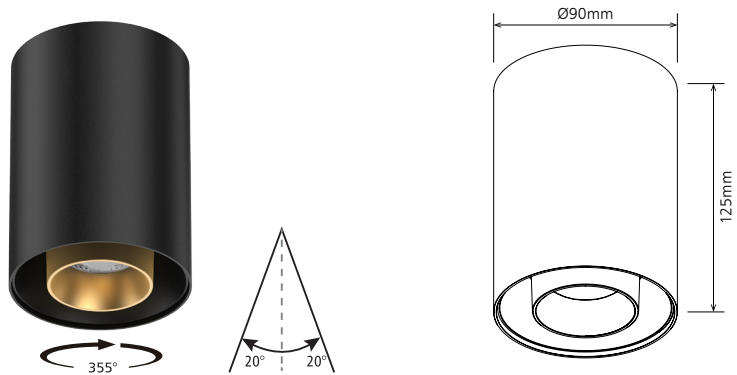
- Adjustable lighting direction: 355° in horizontal and 20° in vertical
- Interchangeable CCT(3000K+4000K) with DIP switch
- Quick-connect terminal for easier installation
- Finish color: White/ Black/ Gold
- Dimming way: Triac
- Internal flicker free driver

APPLICATIONS

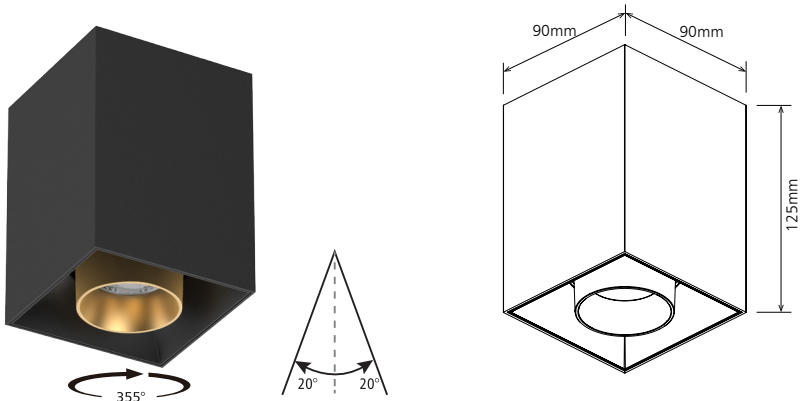
It is designed for general lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc.



PRODUCT DIMENSION

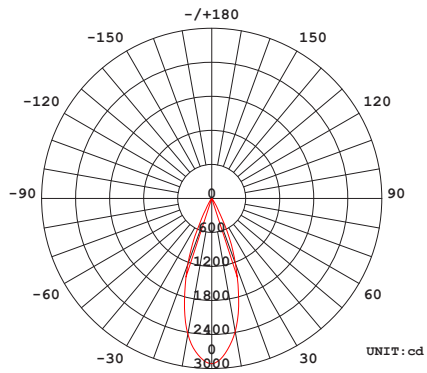


DL411A



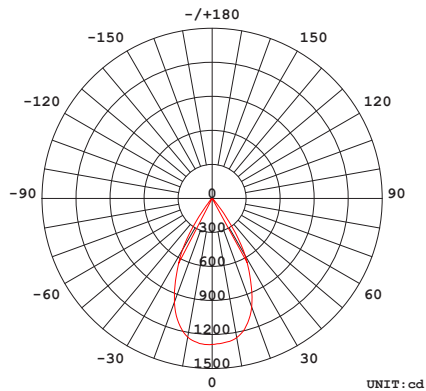
DL411B

OPTICS



AVERAGE BEAM ANGLE (50%) : 36.2 DEG

DL411A-10W-4000K-36°



AVERAGE BEAM ANGLE (50%) : 56.0 DEG

DL411A-10W-4000K-60°

BASIC INFORMATION

Housing Material	Aluminium
Product Finishing	White RAL9016/Black RAL9005/Gold RAL1032
Optic Material	PC
Light Source	COB
SDCM	<5
CRI	≥90
Lifetime(hr)	50,000h
LED Driver	Built-in, Flicker Free
Installation	Surface mount
Electrical Class	Class I
Operating Temp(°C)	-10°C~40°C
Storage Temp(°C)	-20°C~65°C
Glow Wire Test(°C)	750°C

FEATURES & BENEFITS

General Efficacy	1-CCT:110lm/W, 2-CCT: 90lm/W
CCT Selection DIP Switch	2CCT
Watt Selection DIP Switch	-
Dimming Option	Triac
Functions	-
UGR	-
Ingress Protection(IP Rating)	IP20
Impact Resistance(IK Rating)	IK06
Certification	CE / SAA / RoHS

TECHNICAL DATA SHEET

CODE			DL411A-8W	DL411A-10W	DL411B-8W	DL411B-10W
Dimension(mm)			Ø90*H125	Ø90*H125	L90*W90*H125	L90*W90*H125
Cutout(mm)			-			
Watt(W)			8W	10W	8W	10W
Input Voltage			AC220-240V			
LED Module Input			-			
Light Source			COB			
CCT(K)			1-CCT: 2700K / 3000K / 4000K / 5000K , 2-CCT: 3000K+4000K			
CCT Selection DIP Switch			YES			
Luminous Flux (lm) ±5% CRI90 White trim	1-CCT	Non-DIM	-	850-1100	-	940-1040
		DIM	-	780-1010	-	860-960
	2-CCT	Non-DIM	710-760	-	730-780	-
		DIM	640-690	-	660-700	-
Luminous Flux (lm) ±5% CRI90 Black trim	1-CCT	Non-DIM	-	890-1060	-	910-1010
		DIM	-	810-980	-	830-930
	2-CCT	Non-DIM	630-730	-	640-760	-
		DIM	560-660	-	570-690	-
Luminous Flux (lm) ±5% CRI90 Gold trim	1-CCT	Non-DIM	-	920-1070	-	930-1020
		DIM	-	840-990	-	850-940
	2-CCT	Non-DIM	660-760	-	660-740	-
		DIM	590-690	-	590-670	-
Beam Angle(°)			36°, 60°			
UGR			36°<19, 60°<23			
Dimming Option			Triac			
Sensor			-			
Emergency			-			
Product weight(Kg)	N.W/PC	0.66			0.65	
	G.W/PC	0.77			0.76	
Package weight(Kg)	N.W/CTN	9.24			9.12	
	G.W/CTN	10.7			10.6	
Qty/CTN(PCS)			12			
Carton Size(cm)			39.5*23.5*32.5			
20GP(pcs)			11256			
40HQ(pcs)			25920			

DRIVER DATASHEET(NON-DIMMABLE)

Total load wattage		8W	10W
Output	Rated output current	200mA	250mA
	Output Voltage range	30-40V	
	Line Regulation	±5%	
	Setup Rise Time	<0.5S	
	Flickering Index	<3%(NO RISK)	
	IEC-PST	≤1	
	CIE(SVM)	≤0.4	
Input	Rated Input Voltage	AC220-240V	
	Input Voltage	AC198-264V	
	Frequency	50/60Hz	
	Rated Input Current	≤0.04A	≤0.05A
	Input Current	≤0.05A	≤0.06A
	Power Factor	≥0.9	
	THD	<20%@230V	
	Efficiency	≥85%	
	Inrush current	6.8A/35.4uS	
	No load wattage	<0.5W	
	Stand-by power consumption	-	
Protection	Short circuit protection	PASS	
	Over voltage protection	PASS	
	Over temperature protection	PASS	
Safety & EMC	Withstand voltage	I/P-FG:3.75KVac,<5mA 60S	
	Isolation Resistance	500VDC, ≥2M Ω	
	Surge	IEC/EN61000-4-5 (L-N:1KV, L/N-PE:2KV)	
	EMC Emission	EN55015, EN61000-3-2	
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547	

DRIVER DATASHEET(TRIAC DIMMABLE)

Total load wattage		8W	10W
Output	Rated output current	180mA	230mA
	Output Voltage range	DC30-40V	
	Line Regulation	±5%	
	Setup Rise Time	≤500ms @230V	
	Flickering Index	<5%(LOW RISK)	
	IEC-PST	<1	
	CIE(SVM)	≤0.4	
Input	Rated Input Voltage	AC220-240V	
	Input Voltage	AC198-264V	
	Frequency	50Hz	
	Rated Input Current	≤0.05A	≤0.06A
	Input Current	≤0.05A	≤0.06A
	Power Factor	0.85	
	THD	-	
	Efficiency	≥79%	≥82%
	Inrush current	2.48,64.2uS	
	No load wattage	<1W @230V	
	Stand-by power consumption	-	
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 (L-N:1KV, L/N-PE:2KV)	
	EMC Emission	EN55015, EN61000-3-2	
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547	

Installation Procedure

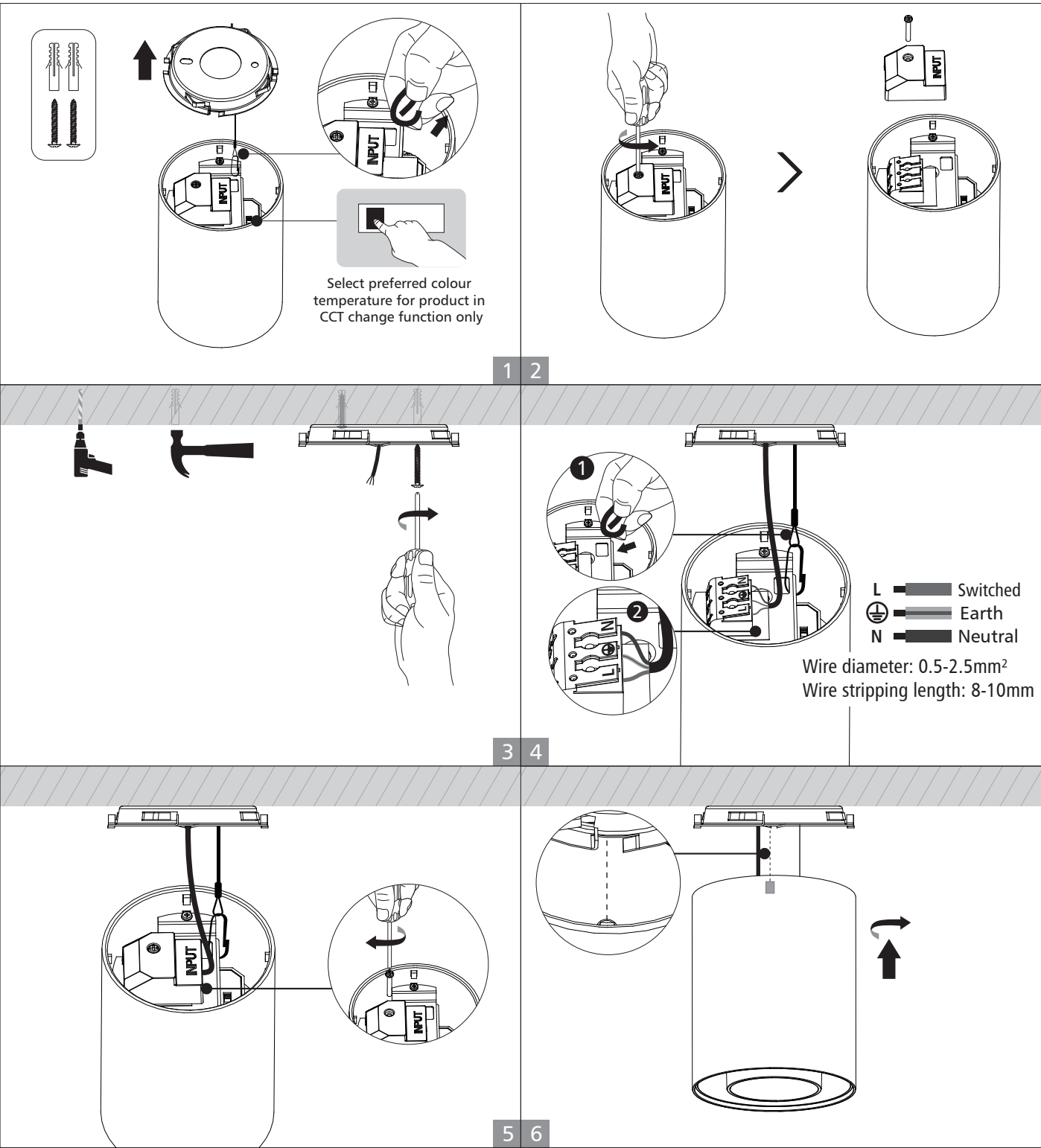
WARNING⚡

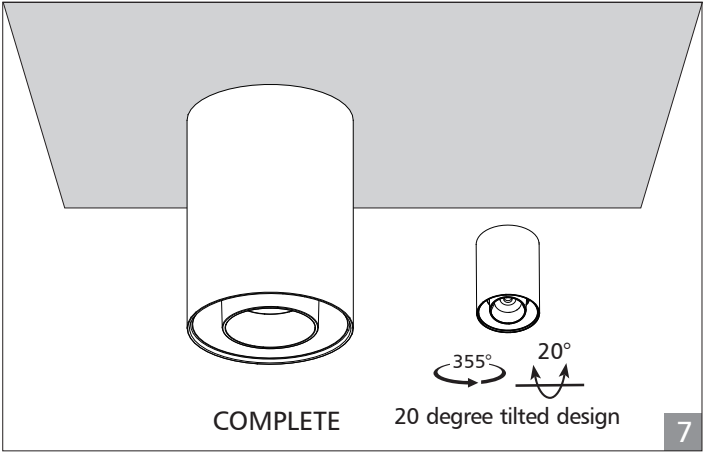
- 1.Switch off before installation.
- 2.Switch on only after complete installation and examination of the circuit.
- 3.Professional electrician for installation and maintenance only.



Turn Off
Power Supply

surface mount installation(A)





■ surface mount installation(B)

