

Entry / ECO

Standard / STD

Professional / PRO

ODM & OEM

Intelligent / INT



LED Downlight
DL379 Series





Introduction

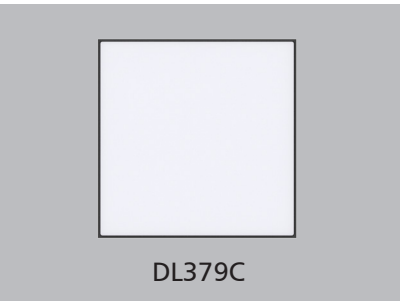
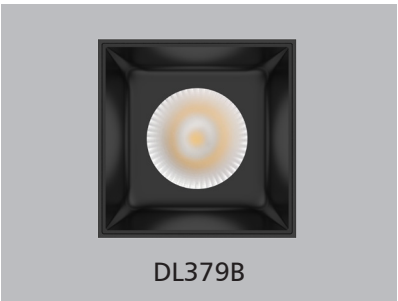
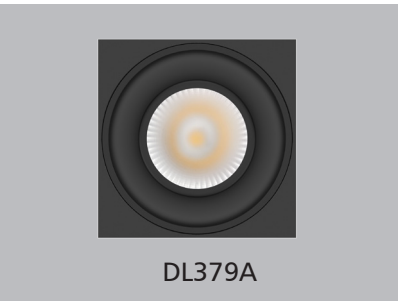
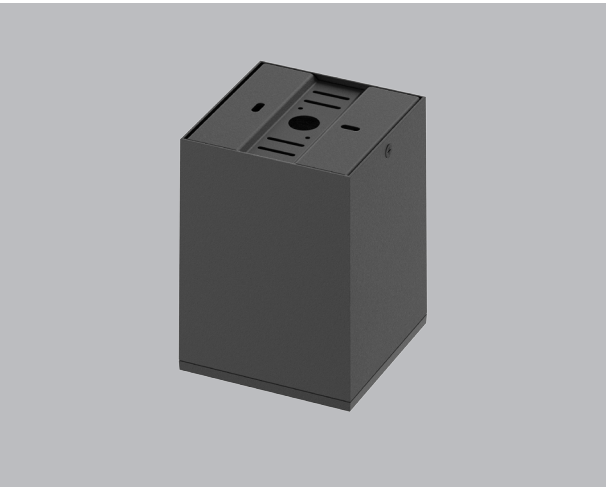
This downlight series is a combination of SMD/COB version, single head/double heads version, white/black version. For COB version, the lamp has round shape and square shape, and it can match to black/white/golden anti-glare reflector and reach to $UGR < 19$, both COB and SMD lamp can do 3CCT adjustment to save stock space and offer users wider choice. For structure, it adopts ADC12 aluminum housing to assure a better thermal management, quick connect terminal for quick install and easy maintenance.

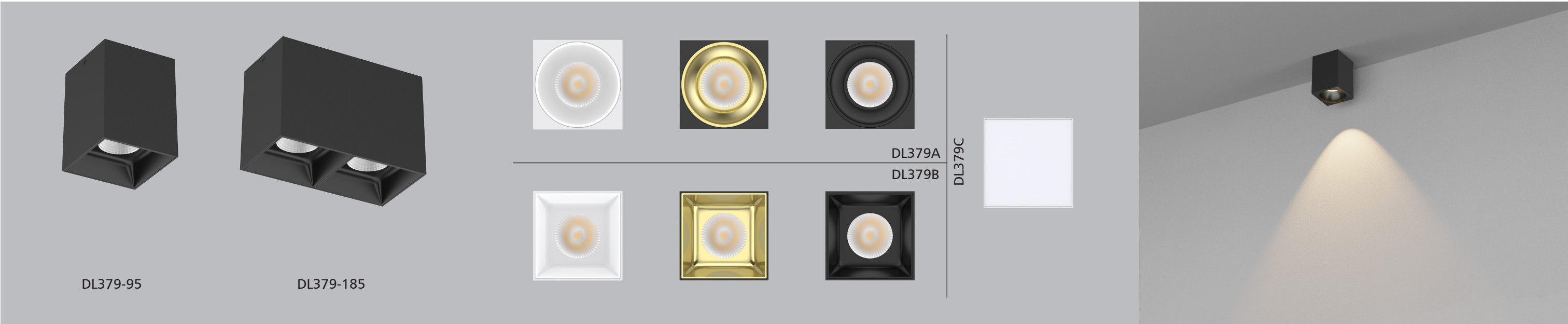
Features

- Family design with multiple choices, SMD/COB/single head/double heads.
- COB version can match both round/square shape louver reflector(Black/white/golden color option).
- Anti-glare design, $UGR < 19$ for COB version only.
- SMD version has thin edge which offers full and uniform light output.
- Interchangeable CCT for both COB and SMD version.
- Internal flicker free driver.
- Dimming way: Triac, DALI.
- SDCM < 3 for the whole series.

Application Areas

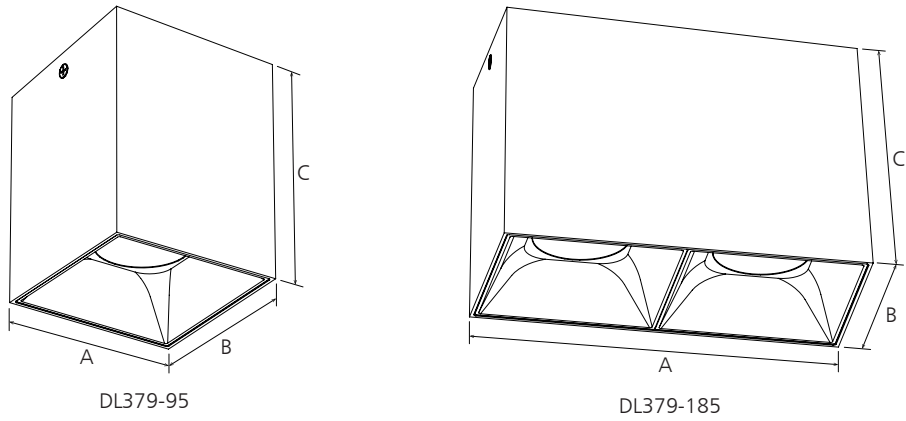
It is designed for indoor applications such as office, hotel, restaurant, living room, bar counter etc.





Technical Data Sheet

Code No.			DL379A-95-8W	DL379A-95-14W	DL379A-185-14W	DL379A-185-28W	DL379B-95-8W	DL379B-95-14W	DL379B-185-14W	DL379B-185-28W	DL379C-95-8W	DL379C-95-14W	DL379C-185-14W	DL379C-185-28W
Dimension(mm)			95*95*131		185*95*131		95*95*125		185*95*125		95*95*125	95*95*125	185*95*125	185*95*125
Cutout (mm)			-				-				-			
Watt(W)			8W	14W	14W	28W	8W	14W	14W	28W	8W	14W	14W	28W
Rated Input Voltage(V)			AC220-240V				AC220-240V				AC220-240V			
Input Voltage(V)			AC230V				AC230V				AC230V			
LED Module Input			-				-				-			
Light Source			COB				COB				SMD			
SDCM			SDCM<3 (for whole lamp)				SDCM<3 (for whole lamp)				SDCM<3 (for whole lamp)			
CCT(K)			COB: 1-CCT: 3000K/4000K/5000K 3-CCT: 3000K+4000K+5000K				COB: 1-CCT: 3000K/4000K/5000K 3-CCT: 3000K+4000K+5000K				SMD: 1-CCT: 3000K/4000K/5000K/5700K 3-CCT: 3000K+4000K+5700K			
CCT Selection DIP Switch			YES				YES				YES			
Luminous Flux (lm) ±5%	Non-DIM	1-CCT	900-1000	1450-1600	1450-1600	3100-3500	900-1000	1450-1600	1450-1600	3100-3500	800-900	1400-1600	1450-1550	2900-3300
	DIM		850-950	1400-1550	1400-1550	3000-3450	850-950	1400-1550	1400-1550	3000-3450	750-850	1350-1550	1400-1500	2850-3250
	Non-DIM	3-CCT	850-1000	1350-1650	1400-1650	3000-3300	850-1000	1350-1650	1400-1650	3000-3300	800-950	1400-1650	1450-1600	2900-3350
	DIM		800-950	1350-1600	1400-1600	2900-3200	800-950	1350-1600	1400-1600	2900-3200	750-900	1350-1600	1400-1550	2850-3300
CRI			≥80				≥80				≥80			
Beam Angle (°)			30°/40°				30°/40°				100°			
UGR			<19				<19				-			
LED Driver			Built-in				Built-in				Built-in			
Dimming Option			Triac / DALI				Triac / DALI				Triac / DALI			
Sensor			-				-				-			
Emergency Kits			NO				NO				NO			
Electrical Class			Class I				Class I				Class I			
Ingress Protection (IP Rating)			IP20				IP20				IP20			
Impact Resistance (IK Rating)			-				-				-			
Product Finishing(Base)			Black RAL9005 or White RAL9016				Black RAL9005 or White RAL9016				Black RAL9005 or White RAL9016			
Materials of Optics			PC				PC				PC			
Materials of Housing			Aluminium die-casting +PC				Aluminium die-casting +PC				Aluminium die-casting +PC			
Lifetime (hr)			50,000H				50,000H				50,000H			
Glow wire test (°C)			650°C				650°C				650°C			
Operating Temp. (°C)			-20°C~45°C				-20°C~45°C				-20°C~45°C			
Storage Temp. (°C)			-20°C~60°C				-20°C~60°C				-20°C~60°C			
Installation			Surface mount				Surface mount				Surface mount			



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				
DL379A-95	95	95	131	95*95*131	0.6	0.685	14.4	16.5	48*34.5*36.5	24	10800	26208
DL379A-185	185	95	131	185*95*131	1.1	1.25	13.2	15	45.5*36.5*32	12	6300	14976
DL379B-95	95	95	125	95*95*125	0.6	0.685	14.4	16.5	48*34.5*36.5	24	10800	26208
DL379B-185	185	95	125	185*95*125	1.1	1.25	13.2	15	45.5*36.5*32	12	6300	14976
DL379C-95	95	95	125	95*95*125	0.6	0.685	14.4	16.5	48*34.5*36.5	24	10800	26208
DL379C-185	185	95	125	185*95*125	1.1	1.25	13.2	15	45.5*36.5*32	12	6300	14976

Driver Datasheet(Non-dimmable)

Total load wattage		8W		14W		28W	
Output	Output Voltage range	DC30-40V					
	Rated output current	200mA		350mA		700mA	
	Line Regulation	± 5%					
	Setup, Rise Time	<0.5S@230V					
	Flickering Index	< 1% (NO RISK)					
Input	Input Voltage	AC180-264V					
	Rated Input Voltage(V)	AC200-240V					
	Frequency	50/60HZ					
	Input Current	≤0.05A		≤0.09A		≤0.18A	
	Rated Input Current	≤0.05A		≤0.08A		≤0.16A	
	Power Factor	0.9					
	THD	<20% @230V AC					
	Efficiency	≥84%					
	No load wattage	<0.5W					
Protection	Short circuit protection	PASS					
	Over voltage protection	PASS					
	Over temperature protection	PASS					
Safety &EMC	Withstand voltage	I/P-O/P:3.75KVac, <5mA 60S					
	Isolation Resistance	I/P-O/P: 500VDC, ≥4M Ω					
	Surge	IEC/EN61000-4-5(P<25W; L-N:500V)				IEC/EN61000-4-5 (P≥25w L-N:1KV)	
	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		14W		28W	
Output	Output Voltage range	DC30-40V					
	Rated output current	190mA		350mA		700mA	
	Line Regulation	± 5%					
	Setup, Rise Time	≤500ms @230V					
	Flickering Index	<5%(LOW RISK)					
Input	Input Voltage	AC200-264V					
	Rated Input Voltage(V)	AC200-240V					
	Frequency	50Hz					
	Input Current	≤0.05A		≤0.09A		≤0.17A	
	Rated Input Current	≤0.05A		≤0.09A		≤0.17A	
	Power Factor	0.85		0.9			
	THD	-		<20% @230V			
	Efficiency	≥80%		≥83%		≥85%	
	No load wattage	<0.5W@230V					
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(P<25W; L-N:500V, L/N-PE:1KV)				IEC/EN61000-4-5 (P≥25w 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(DALI Dimmable)

Total load wattage		8W		14W		28W	
Output	Output Voltage range	DC30-40V					
	Rated output current	180mA		340mA		700mA	
	Line Regulation	± 5%					
	Setup, Rise Time	<15@230V					
	Flickering Index	< 1% (NO RISK)					
Input	Input Voltage	AC180-264V					
	Rated Input Voltage(V)	AC200-240V					
	Frequency	50/60HZ					
	Input Current	≤0.05A		≤0.09A		≤0.18A	
	Rated Input Current	≤0.05A		≤0.08A		≤0.16A	
	Power Factor	0.9					
	THD	<20% @230V AC					
	Efficiency	≥82%		≥84%		≥86%	
	No load wattage	<0.5W					
Protection	Short circuit protection	PASS					
	Over voltage protection	PASS					
	Over temperature protection	PASS					
Safety &EMC	Withstand voltage	I/P-O/P:3.75KVac, <5mA 60S					
	Isolation Resistance	I/P-O/P: 500VDC, ≥4M Ω					
	Surge	IEC/EN61000-4-5(P<25W; L-N:500V)				IEC/EN61000-4-5 (P≥25w L-N:1KV)	
	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.



■ Surface mounted installation

1 2

3 4

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Standard	DALI/0-10V
Brown - L (Switched) Yellow - Earth Blue - N (Neutral)	Brown - L (Switched) Yellow - Earth Blue - N (Neutral) Brown - DA/V+ = DIM+ Blue - DA/V- = DIM-

select preferred colour
temperature for product in
CCT change function only

6 7

8

COMPLETE