


WW CW DL
Color changeable

LED Downlight

DL179 SERIES

Introduction



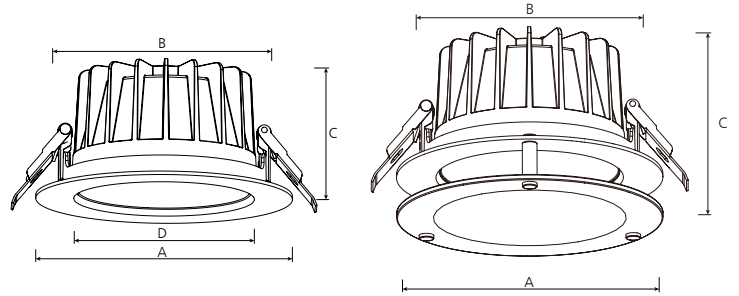
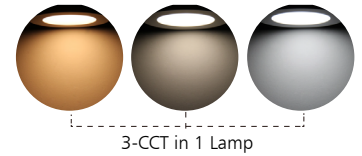
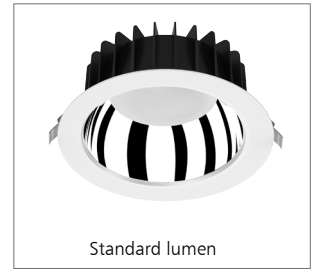
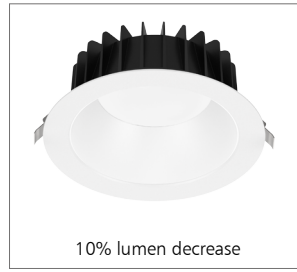
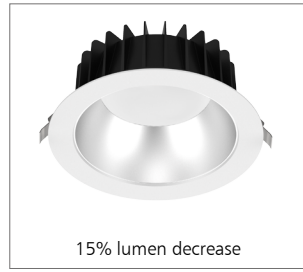
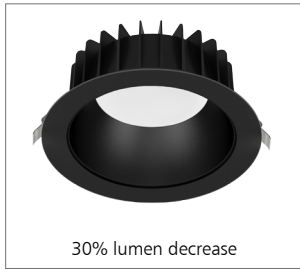
DL179 LED downlight with traditional deep reflector that provides perfect combination of high lighting efficiency, comfortable lighting and humanization design, without compromising on lighting performance (color rendering and color uniformity). CCT changeable function is available. It offers a wide choice of options for creating the desired ambience.

Features

1. Die-casting housing provides excellent heat dissipation performance.
2. A perfect alternative to traditional recessed luminaries.
3. CCT can be switched through slide button.
4. Triac dimmable, DALI, 0-10V function can be realized by functional driver.
5. Different design drop glass as option.
6. Interchangeable reflector in white, matt silver, bright silver and black color.

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.



Measurement

Code	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				
3"-A	95	80	54	63	Ø95*54	0.225	0.305	8.1	12.5	48.5*37*29.5	36	19008	46656
3"-B	110	86	54	69	Ø110*54	0.265	0.345	9.5	14	48.5*37*29.5	36	19008	46656
4"	145	120	78	102	Ø145*78	0.455	0.555	8.2	11.5	50*34*38.5	18	7128	14904
6"	172	145	90	127	Ø172*90	0.665	0.8	8	11.1	59*40*23.5	12	5940	14400
8"	228	195	99	176	Ø228*99	1.08	1.25	13	16.5	52*52*35	12	3408	7872
4+Glass	145	120	97	-	172.5x97	1.05	1.12	20.16	21.11	56.5x38x40	18	5832	14472
6+Glass	172	145	109	-	197x109	1.3	1.39	16.68	17.72	65x44x29.5	12	3756	9072
8+Glass	228	195	118	-	246x118	1.84	2.01	12.06	12.88	57x29x44.5	6	2400	5424

Technical Data Sheet (1)

Code No.		DL179A-3-10W	DL179B-3-10W	DL179B-3-13W	DL179-4-10W	DL179-4-18W	DL179-4-25W	
Watt(W)		10W		13W	10W	18W	25W	
Dimension(mm)		Ø95*54	Ø110*54		Ø145*78 & Ø145*97 (drop glass)			
Cutout(mm)		Ø82-88	Ø90-95		Ø125-135			
Rated Input Voltage(V)		AC230V						
Input Voltage(V)		AC200-240V						
LED		SMD						
SDCM		<6						
CCT(K)		1-CCT: 3000K / 4000K / 5000K / 5700K 3-CCT: 3000K + 4000K + 5700K						
Luminous Flux (lm) ±5%	1-CCT	Non-DIM	710-800	720-800	930-1040	820-900	1650-1800	2100-2250
		DIM	680-780	700-780	900-1000	800-880	1600-1750	2000-2200
	3-CCT	Non-DIM	710-830	720-870	930-1140	820-900	1650-1950	2100-2250
		DIM	700-800	710-850	900-1100	800-880	1600-1900	2000-2200
CRI		≥80						
Beam Angle (°)		80°						
LED Driver		Built-out						
DIM		Yes						
CCT Selection Switch		Yes						
Protection Class		Class II						
IP Rating		IP54						
IK Rating		IK06						
Finishing color		Black RAL9005 / White RAL 9016						
Material		PC / Aluminium						
Lifetime (hr)		50,000						
Glow wire test (°C)		850°C						
Operating Temp.(°C)		-20°C ~45°C						
Storage Temp.(°C)		-20°C ~65°C						
Installation		Recessed						
Brand Driver option		Philips, Tridonic, Meanwell						

Technical Data Sheet (2)

Model No.	DL179-6-18W	DL179-6-25W	DL179-6-35W	DL179-8-18W	DL179-8-25W	DL179-8-35W	DL179-8-40W	DL179-8-45W		
Watt(W)	18W	25W	35W	18W	25W	35W	40W	45W		
Dimension(mm)	Ø172*90 & Ø172*109 (drop glass)			Ø228*99& Ø228*118(drop glass)						
Cutout(mm)	Ø150-165			Ø200-210						
Rated Input Voltage(V)	AC230V									
Input Voltage(V)	AC200-240V									
LED	SMD									
SDCM	<6									
CCT(K)	1-CCT: 3000K / 4000K / 5000K / 5700K 3-CCT: 3000K + 4000K + 5700K									
Luminous Flux (lm) ±5%	1-CCT	Non-DIM	1750-1900	2350-2550	2940-3180	1800-1980	2450-2600	3600-4000	4000-4200	4500-4720
		DIM	1700-1850	2300-2500	2870-3110	1760-1940	2380-2500	3500-3850	3800-4000	4360-4500
	3-CCT	Non-DIM	1750-1900	2250-2650	2940-3180	1800-2070	2450-2800	3750-4000	4000-4400	4500-4950
		DIM	1700-1850	2200-2600	2870-3110	1760-1980	2350-2700	3650-3850	3920-4320	4360-4500
CRI	≥80									
Beam Angle (°)	80°									
LED Driver	Built-out									
DIM	Yes									
CCT Selection Switch	Yes									
Protection Class	Class II									
IP Rating	IP54									
IK Rating	IK06									
Finishing color	Black RAL9005 / White RAL 9016									
Material	PC / Aluminium									
Lifetime (hr)	50,000									
Glow wire test (°C)	850°C									
Operating Temp.(°C)	-20°C ~45°C									
Storage Temp.(°C)	-20°C ~65°C									
Installation	Recessed									
Brand Driver option	Philips, Tridonic, Meanwell									

Driver Datasheet (Non-Dimmable)

Power	10W	13W	18W	25W	35W	40W	45W
Rated Input Voltage(V)	AC230V						
Frequency	50/60Hz						
Input Voltage	AC200-240V						
Efficiency	≥75%	≥78%	≥82%	≥83%	≥84%	≥84%	≥84%
Total load wattage	10W±1W	13W±1W	18W±1W	25W±5%	35W±5%	40W±5%	45W±5%
Power Factor	0.9						
Rated Input Current	≤0.05A	≤0.07A	≤0.11A	≤0.13A	≤0.18A	≤0.21A	≤0.23A
Full load output voltage	DC28-40V	DC28-40V	DC28-40V	DC28-40V	DC28-40V	DC28-40V	DC28-40V
Rated output current	230mA	300mA	460mA	600mA	850mA	950mA	1050mA
Output current range	230mA±5%	300mA±5%	460mA±5%	600mA±5%	850mA±5%	950mA±5%	1050mA±5%
Power tolerance	±5%						
Current output tolerance	±5%						
Short circuit protection	PASS						
Over voltage protection	PASS						
Over temperature protection	PASS						
THD	<20% @ 230V						
Surge	500V			1KV			
Withstand voltage	AC3750						

Driver Datasheet (Triac Dimmable)

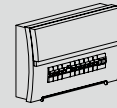
Power	10W	13W	18W	25W	35W	40W	45W
Rated Input Voltage(V)	AC230V						
Frequency	50Hz						
Input Voltage	AC200-240V						
Power Factor	0.9						
Efficiency	82%	82%	85%	85%	85%	85%	85%
Total load wattage	10W±1W	13W±1W	18W±1W	25W±5%	35W±5%	40W±5%	45W±5%
Rated Input Current	≤0.06A	≤0.08A	≤0.1A	≤0.14A	≤0.2A	≤0.23A	≤0.24A
Full load output voltage	DC23-40V	DC23-40V	DC23-40V	DC23-40V	DC23-40V	DC23-40V	DC23-40V
Rated output current	230mA	280mA	430mA	600mA	800mA	950mA	1050mA
Output current range	230mA±5%	280mA±5%	430mA±5%	600mA±5%	800mA±5%	950mA±5%	1050mA±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	500V			1KV			
Withstand voltage	AC3750V						

Note: DALI & 0-10V driver specification, please refer to individual driver datasheet.

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.



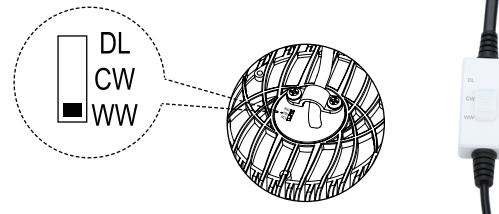
**Turn Off
Power Supply**

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

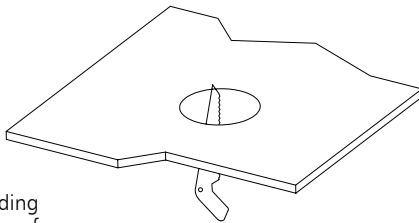
■ Installation

For the product with Slide Switch of Color Selection, please select the light color (DL/CW/WW) before installation.

Slide switch for color selection

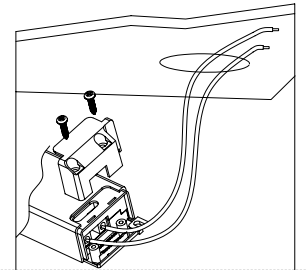


Step 1



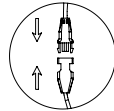
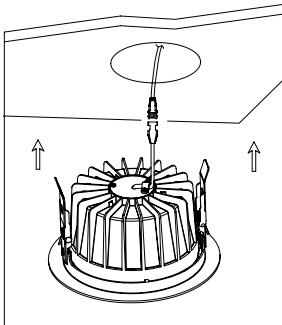
Open a hole according to the cutout size of led downlight.

Step 2



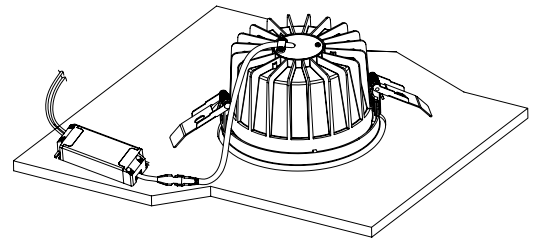
Use screw-driver to open the driver terminal cover, feed the main AC wire L. N. in terminal block respectively, then fix the cover back.

Step 3



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

Step 4



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