

LED Downlight JDL210 Series

SPECIFICATION



Introduction



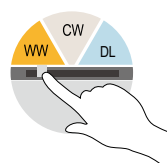
◀ JDL210 LED down light with super slim design, adopting high lumen SMD LED, PC diffuser with uniform light. ADC12 Aluminum profile provides excellent thermal dissipation.

Features

1. Super slim design.
2. IP54 front waterproof .
3. Interchangeable CCT with slide switch.
4. External driver.

Application Areas

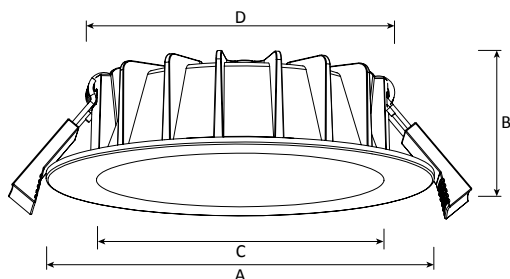
It is designed for general lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc.



Slide switch for CCT selection



3-CCT in 1 Lamp



Measurement

Modle	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"	110	30	81.5	87	Ø110*30	0.25	0.3	9	12.2	36*36*32	36	24192	55296
4"	145	30	106	115	Ø145*30	0.35	0.43	10.5	14.5	46.5*38.5*32	30	12750	26250
6"	190	30	143	152	Ø190*30	0.5	0.6	12	16	60*47.5*26	24	8640	21840
8"	225	34	173	185	Ø225*34	0.65	0.8	7.8	11.2	47.5*28.5*35	12	4608	10368

Technical Data Sheet

Model No.	JDL210-3-10W	JDL210-3-13W	JDL210-4-13W	JDL210-4-18W	JDL210-6-18W	JDL210-6-25W	JDL210-8-25W	JDL210-8-35W	JDL210-8-42W		
Watt(W)	10W	13W	13W	18W	18W	25W	25W	35W	42W		
Dimension(mm)	Ø110*30		Ø145*30		Ø190*30		Ø225*34				
Cutout(mm)	Ø90-95		Ø120-130		Ø160-170		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	780~950	1100~1220	1120~1270	1670~1850	1660~1800	2300~2500	2280~2550	3300~3500	3780~4410
		DIM	760~920	1080~1200	1100~1250	1640~1820	1620~1760	2250~2450	2250~2500	3300~3500	3780~4410
	3-CCT	Non-DIM	780~1000	1100~1320	1120~1370	1670~1980	1620~1930	2300~2750	2180~2750	3300~3900	3780~4750
		DIM	760~980	1080~1300	1100~1350	1640~1950	1580~1890	2250~2700	2130~2700	3300~3900	3780~4750
CRI	≥80										
Beam Angle (°)	100°										
LED Driver	Built-out										
DIM	Triac										
CCT Selection Switch	Yes										
Protection Class	Class II										
IP Rating	Cover IP54										
IK Rating	-										
Finishing color	White RAL 9016										
Material	ADC12										
Lifetime (hr)	50,000										
Glow wire test (°C)	750°C										
Operating Temp.(°C)	-20°C ~40°C										
Storage Temp.(°C)	-20°C ~65°C										
Installation	Recessed										
Brand Driver option	Philips, Tridonic										

Driver Datasheet (Non-Dimmable)

Power	10W	13W	18W	25W	35W	42W
Rated Input Voltage(V)	AC230V					
Frequency	50/60Hz					
Input Voltage	AC220-240V					
Efficiency	80%	83%	84%	85%	86%	86%
Total load wattage	10W±1W	13W±1W	18W±1W	25W±5%	35W±5%	42W±5%
Power Factor	0.9					0.9
Rated Input Current	≤0.05A	≤0.1A	≤0.11A	≤0.16A	≤0.21A	≤0.21A
Full load output voltage	DC28-40V	DC28-40V	DC28-40V	DC28-40V	DC28-40V	28-40VDC
Rated output current	250mA	350mA	500mA	700mA	850mA	1050mA
Output current range	250mA±5%	350mA±5%	500mA±5%	700mA±5%	850mA±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	L-N 500V			L-N 1KV		
Withstand voltage	AC3750V					

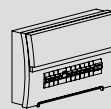
Driver Datasheet (Triac Dimmable)

Power	10W	13W	18W	25W	35W	42W
Rated Input Voltage(V)	AC230V					
Frequency	50Hz					
Input Voltage	AC220-240V					
Efficiency	82%	82%	85%	85%	85%	85%
Total load wattage	10W±1W	13W±1W	18W±1W	25W±5%	35W±5%	42W±5%
Power Factor	0.9					
Rated Input Current	≤0.06A	≤0.07A	≤0.1A	≤0.14A	≤0.2A	≤0.2A
Full load output voltage	DC23-40V	DC23-40V	DC23-40V	DC23-40V	DC23-40V	23-40VDC
Rated output current	230mA	350mA	500mA	700mA	800mA	1050mA
Output current range	230mA±5%	350mA±5%	500mA±5%	700mA±5%	800mA±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%		
Surge	L-N 500V			L-N 1KV		
Withstand voltage	AC3750V					

Installation Procedure

WARNING

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



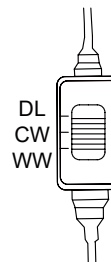
Turn Off
Power Supply

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

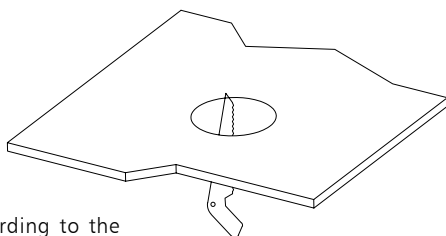
Recessed Installation

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

Slide switch for
CCT selection

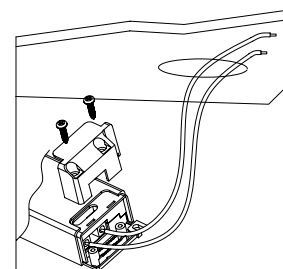


Step 1



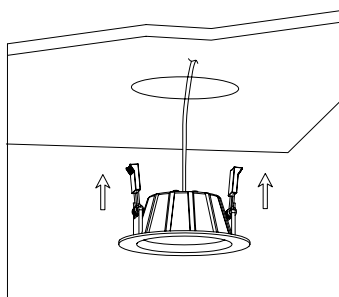
Open a hole according to the cutout size of led downlight.

Step 2



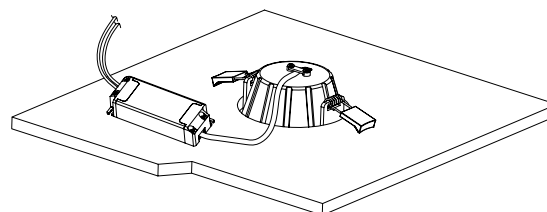
Use screw-driver to open the driver terminal cover, feed the main AC wire L, N. in terminal block respectively, then fix the cover back.

Step 3



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

Step 4



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



LED THERE BE LIGHT

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Read installation instructions carefully. Technical information on the installation instruction has precedence over the information in the brochure.

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You can obtain a copy of these conditions on demand.

For latest information and specifications of the full product range

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