

LED Wall Light
WALLY 161
Series



Introduction

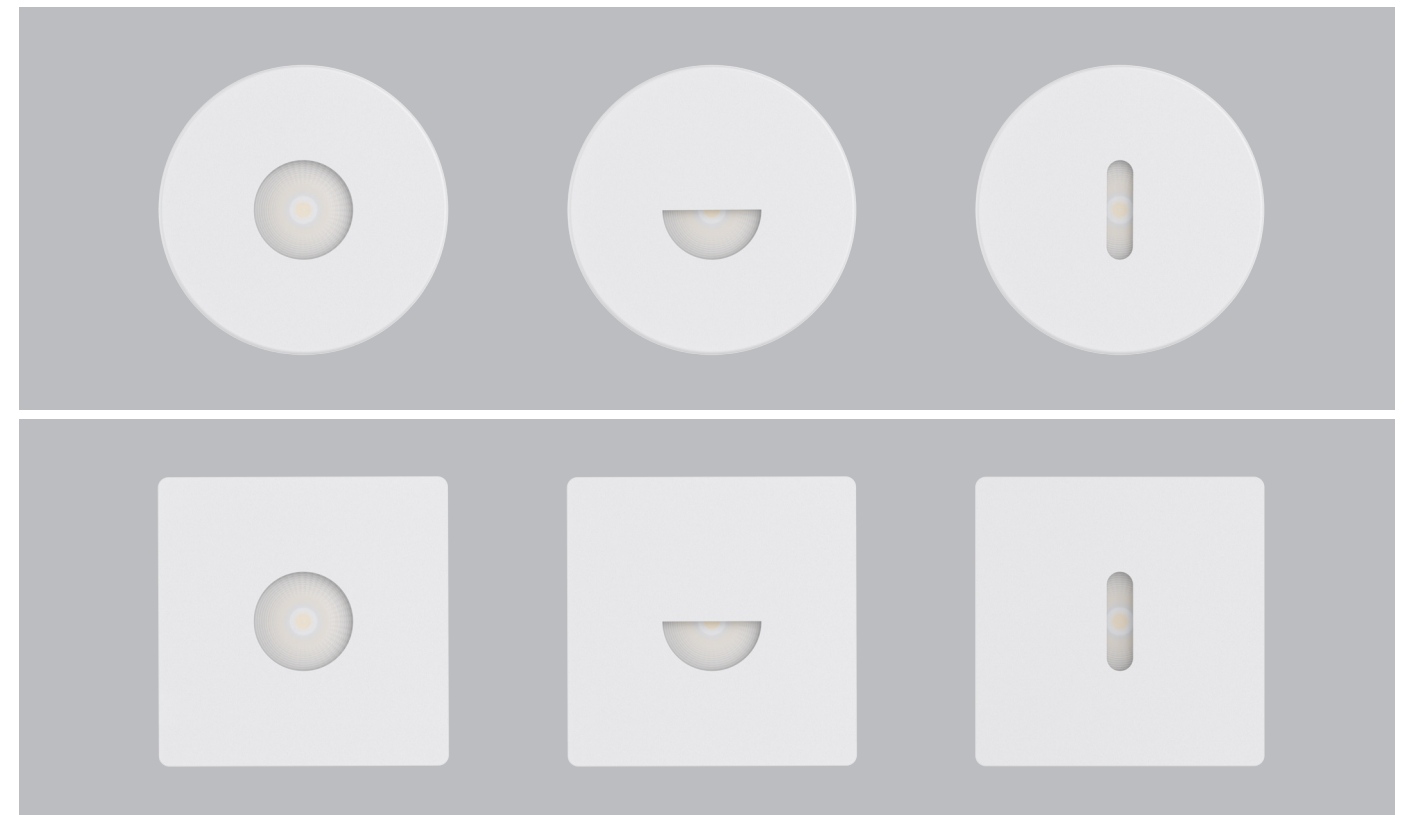
This step light is a series design, two kinds of lamp body with 3 different trims for each which can carry out multitask in different applications. For lamp body, it has smooth surface, IP54 waterproof, direct lighting version and 30degree tilted lighting version for options, DC24V and AC220V driver solutions can fit more demand. The lamp has magnetic power for different trims, so it can save SKU and offer more choices.

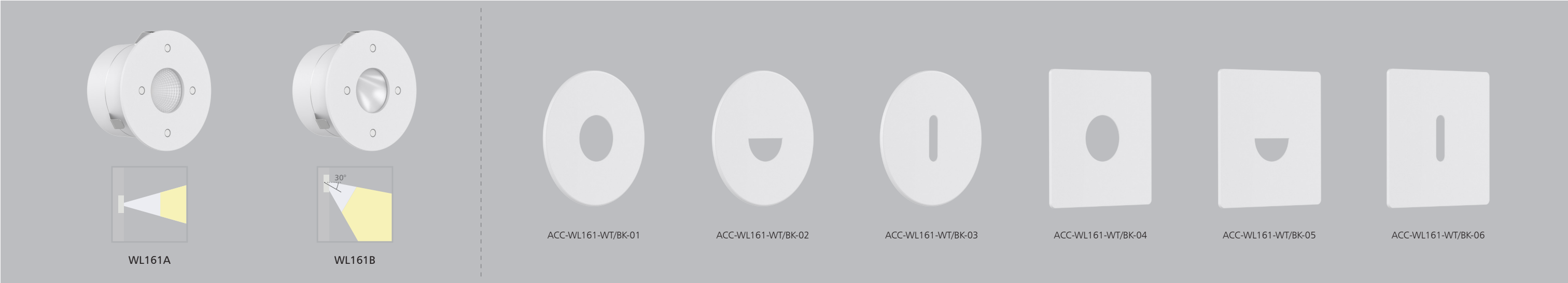
Features

- Magnetic power for easily trim replacement
- DC12V driver and AC driver for options
- IP54 waterproof in front
- Direct lighting version and 30degree tilted lighting version for options
- Flicker free driver

Application Areas

It is widely used in indoor areas such as corner, corridor, bar, stairway, bathroom, bedroom etc.





Technical Data Sheet (DC12V)

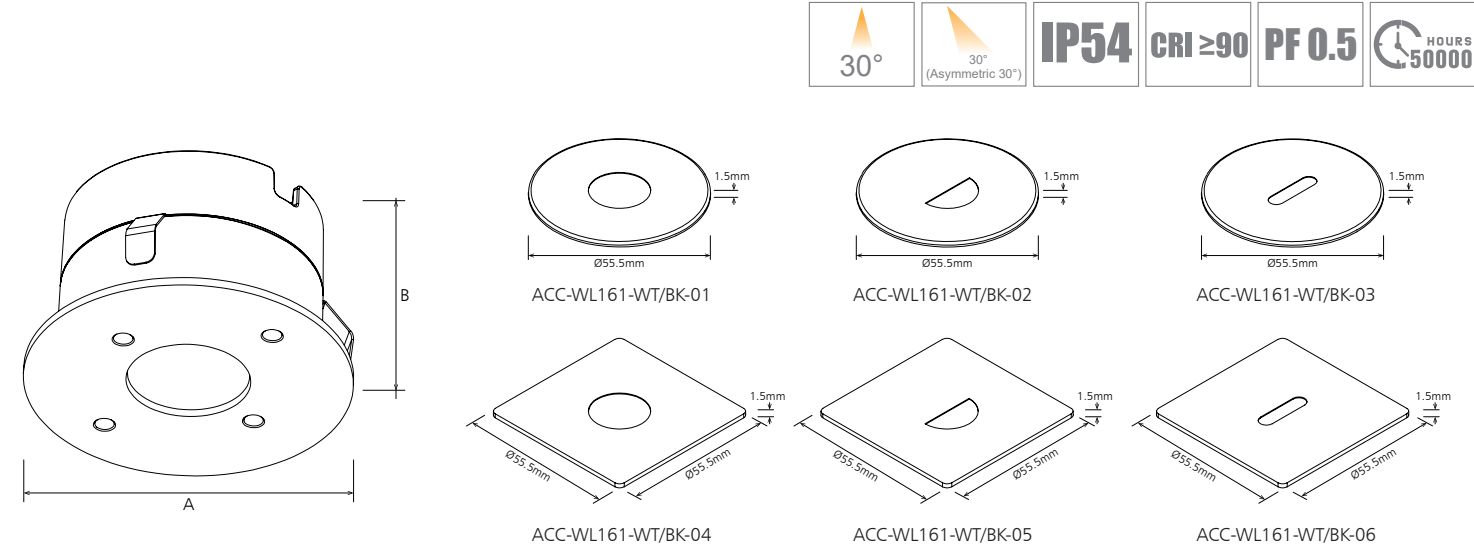
Code			DC-WL161A-3W	DC-WL161B-3W
Dimension(mm)			Ø54*H31	
Cutout (mm)			Ø45	
Watt(W)			3W	
Rated Input Voltage(V)			DC12V	
Input Voltage(V)			DC12V	
LED Module Input			DC3V	
Light Source			SMD	
SDCM			<6	
CCT(K)			1-CCT: 2700/3000K/4000K/5000K	
CCT Selection DIP Switch			NO	
Luminous Flux (lm) ±5%	Round	Non-DIM	170-220	160-200
	Semi-round	Non-DIM	95-130	85-90
	Strip	Non-DIM	65-80	60-80
CRI			90	
Beam Angle (°)			30°/Asymmetric 30°	
UGR			-	
LED Driver			Driver built-out	
Dimming Option			-	
Sensor			NO	
Emergency Kits			NO	
Electrical Class			Class III	
Ingress Protection(IP Rating)			IP54(Room Side)	
Impact Resistance(IK Rating)			-	
Product Finishing			White RAL9016; Black RAL9005	
Optics Material			PC	
Housing Material			Aluminium	
Lifetime (hr)			50,000h	
Glow wire test (°C)			750°C	
Operating Temp.(°C)			-20°C~45°C	
Storage Temp.(°C)			-20°C~65°C	
Installation			Recessed	

Technical Data Sheet (AC230V)

Code			WL161A-3W	WL161B-3W
Dimension(mm)			Ø54*H31	
Cutout (mm)			Ø45	
Watt(W)			3W	
Rated Input Voltage(V)			AC220-240V	
Input Voltage(V)			AC198-264V	
LED Module Input			DC3V	
Light Source			SMD	
SDCM			<6	
CCT(K)			1-CCT: 2700/3000K/4000K/5000K	
CCT Selection DIP Switch			NO	
Luminous Flux (lm) ±5%	Round	Non-DIM	170-220	160-200
	Semi-round	Non-DIM	95-130	85-90
	Strip	Non-DIM	65-80	60-80
CRI			90	
Beam Angle (°)			30°/Asymmetric 30°	
UGR			-	
LED Driver			Driver built-out	
Dimming Option			-	
Sensor			NO	
Emergency Kits			NO	
Electrical Class			Class II	
Ingress Protection(IP Rating)			IP54(Room Side)	
Impact Resistance(IK Rating)			-	
Product Finishing			White RAL9016; Black RAL9005	
Optics Material			PC	
Housing Material			Aluminium	
Lifetime (hr)			50,000h	
Glow wire test (°C)			750°C	
Operating Temp.(°C)			-20°C~45°C	
Storage Temp.(°C)			-20°C~65°C	
Installation			Recessed	

Measurement

Code	Dimension(mm)		Size(mm)	Product Weight (Kg)		Package weight (Kg)		Carton Size(cm)	Qty/CTN	20GP (pcs)	40HQ (pcs)
	A	B		N.W/PC	G.W/PC	N.W/CTN	G.W/CTN				
WL161A-3W	Ø54	31	Ø54*31	0.11	0.13	5.28	6.66	36.5*24*26.5	48	52992	121824
WL161B-3W											
ACC-WL161-WT/BK-01	-	-	Ø55.5*1.5	0.007	-	-	0.78	15*10*15.5	96	-	-
ACC-WL161-WT/BK-02	-	-	Ø55.5*1.5	0.007	-	-	0.78	15*10*15.5	96	-	-
ACC-WL161-WT/BK-03	-	-	Ø55.5*1.5	0.007	-	-	0.78	15*10*15.5	96	-	-
ACC-WL161-WT/BK-04	-	-	55.5*55.5*1.5	0.007	-	-	0.78	15*10*15.5	96	-	-
ACC-WL161-WT/BK-05	-	-	55.5*55.5*1.5	0.007	-	-	0.78	15*10*15.5	96	-	-
ACC-WL161-WT/BK-06	-	-	55.5*55.5*1.5	0.007	-	-	0.78	15*10*15.5	96	-	-



DC12V Driver Datasheet (Non-dimmable)

Total load wattage		3W
Output	Rated output current	750mA@DC12V
	Output Voltage range	DC2-4V
	Line Regulation	±5%
	Setup Rise Time	<500ms@DC12V
	Flickering Index	≤5%(NO RISK)@DC12V
Input	Rated Input Voltage(V)	DC12V
	Input Voltage	DC10.8-13.2V
	Frequency	-
	Rated Input Current	≤0.3@DC12V
	Input Current	≤0.4@DC12V
	Power Factor	-
	THD	-
	Efficiency	≥71%@DC12V
	No load wattage	<0.5W
Protection	Short circuit protection	PASS
	Over voltage protection	PASS
	Over temperature protection	PASS
Safety & EMC	Withstand voltage	-
	Isolation Resistance	-
	Surge	-
	EMC Emission	EN55015, EN61000-3-2
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547

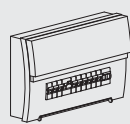
AC230V Driver Datasheet (Non-dimmable)

Total load wattage		3W
Output	Rated output current	700mA
	Output Voltage range	DC2-4V
	Line Regulation	±7%
	Setup Rise Time	<500ms@230V
	Flickering Index	≤5%(LOW RISK)
Input	Rated Input Voltage(V)	AC220-240V
	Input Voltage	AC198-264V
	Frequency	50/60HZ
	Rated Input Current	≤0.028
	Input Current	≤0.03
	Power Factor	0.5
	THD	-
	Efficiency	≥65%
	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-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)
	EMC Emission	EN55015, EN61000-3-2
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547

Installation Procedure

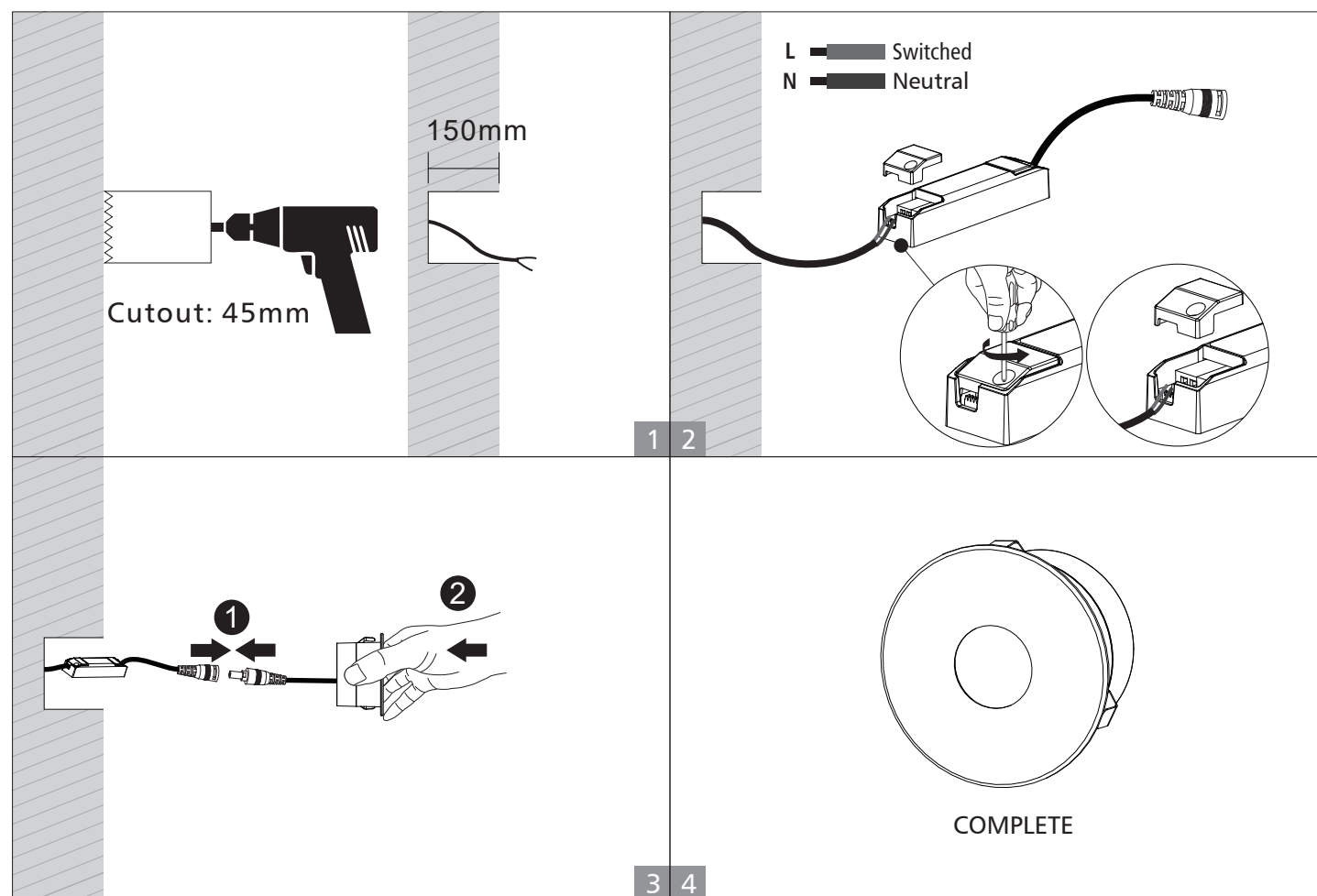
WARNING

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.

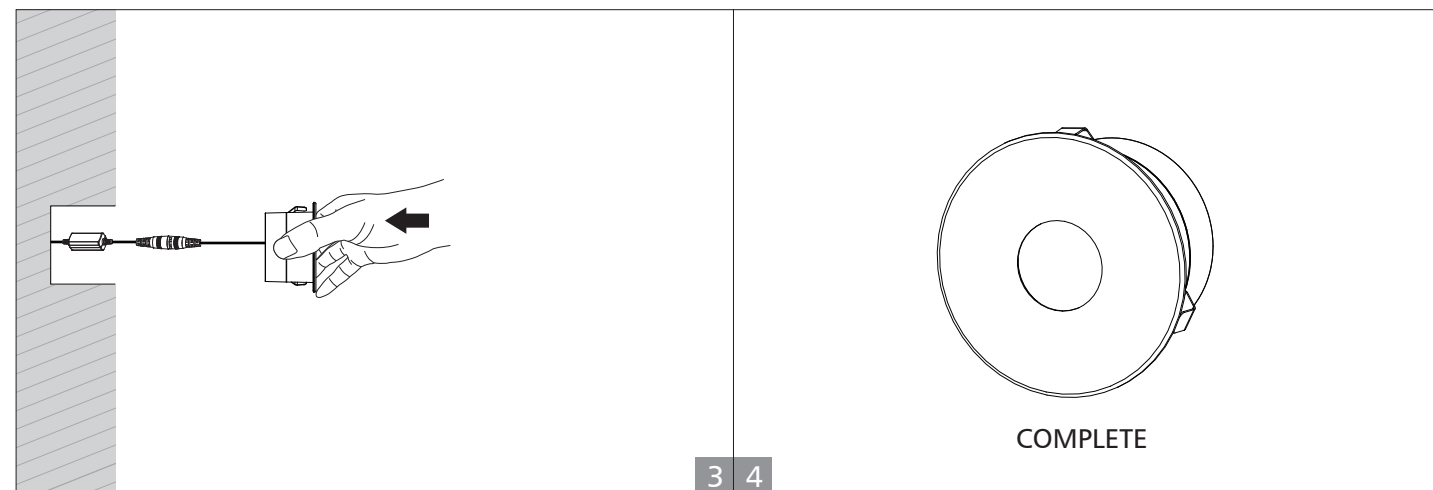
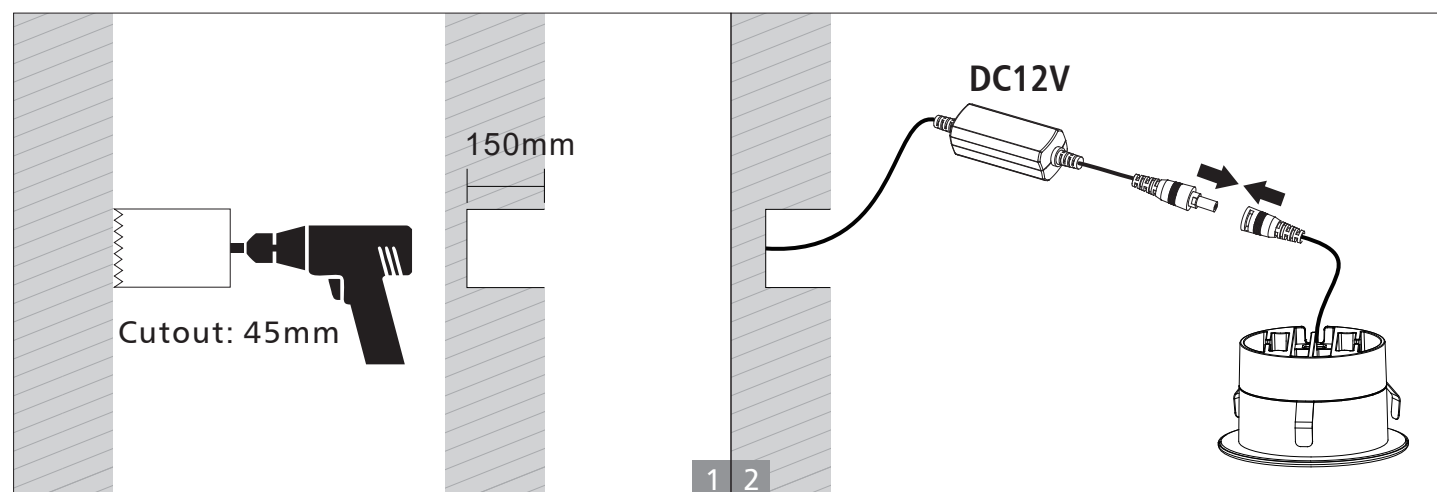


Turn Off
Power Supply

Wall mount installation(AC230V)

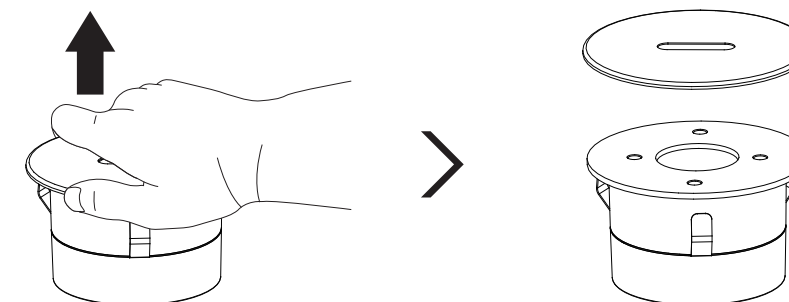


Wall mount installation(DC12V)

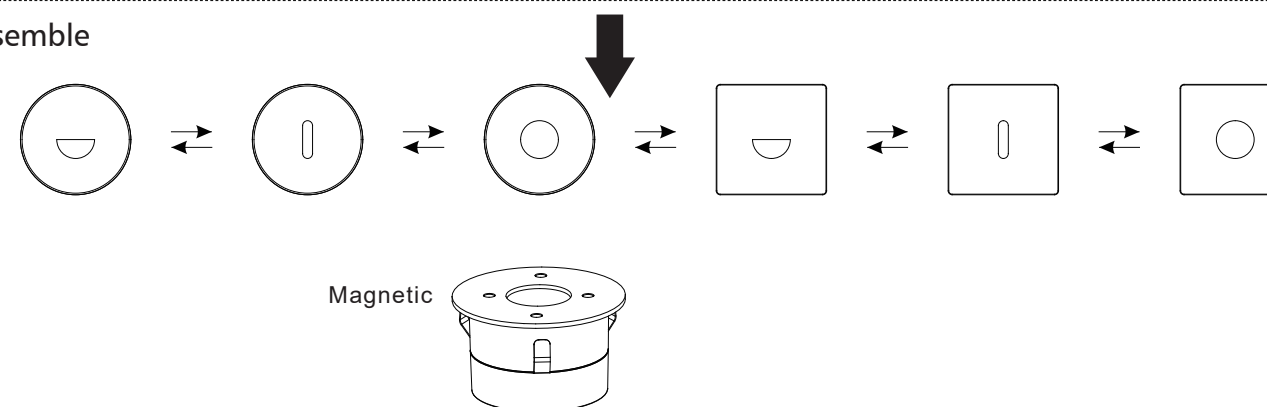


How to change the Interchangeable trim?

Disassemble



Assemble



Installation guidance

