



LED Wall Light

ARA 80 Wall Light Series



Introduction

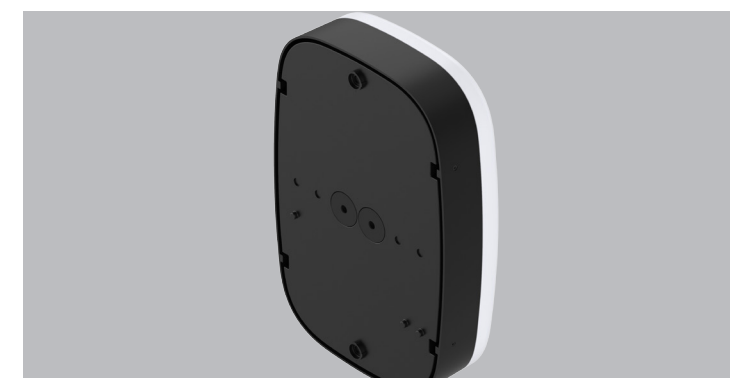
ARA 80 is a frame less wall lamp with a large light-emitting surface. The frameless lampshade design creates a more stereoscopic lighting environment. ARA 80 is manufactured with a SMD light source, and has a PC cover which offers uniform light output. ADC12 aluminum lamp body provides excellent thermal management.

Features

- Framless design with larger lighting surface.
- ADC 12 aluminum lamp body provides a great heat dissipation.
- IP65 IK08 high protection level.
- Interchangeable CCT(3000+4000+5700K) with slide switch.
- PIR sensor available.
- Non-dim and triac dimming option.

Application Areas

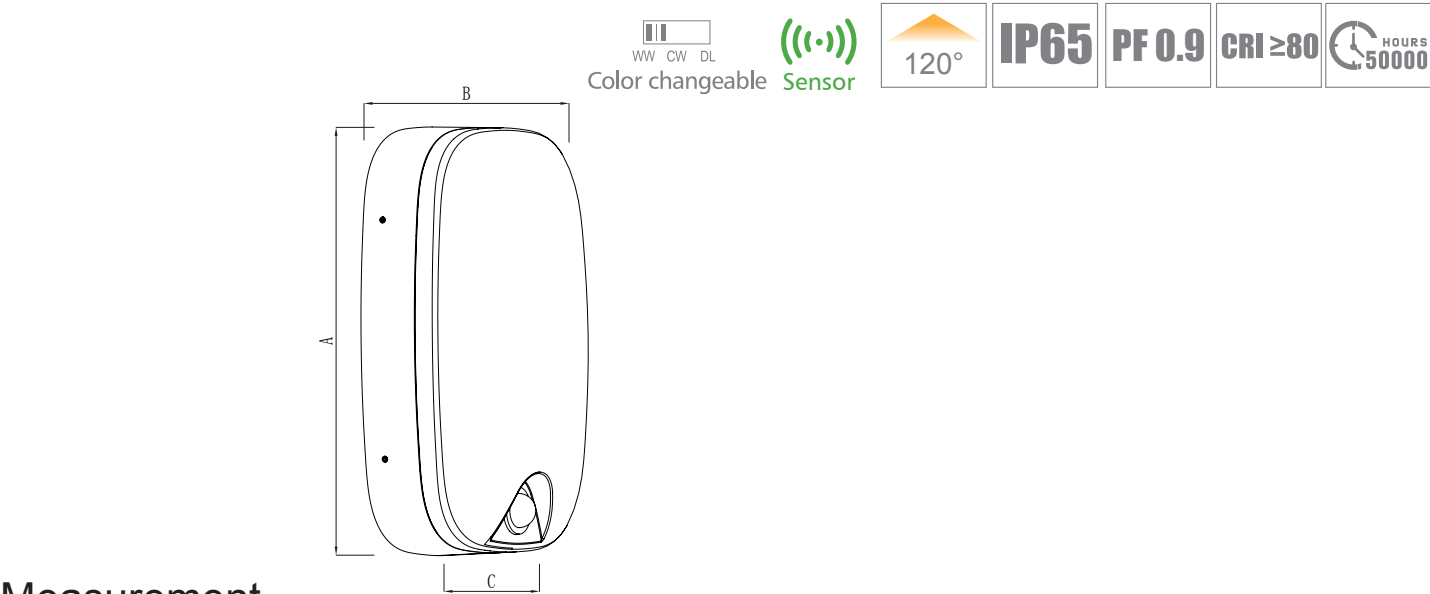
Townhouse, hotel, restaurant. Garden area: Pathway, Etc.





Technical Data Sheet

Code No.			WL251N/12**80	WL251N/18**80
Dimension(mm)			L251*W167*H80	
Cutout (mm)			-	
Watt(W)			12W	18W
Rated Input Voltage(V)			AC230V	
Input Voltage(V)			AC220-240V	
LED Module Input			-	
Light Source			SMD 2835	
SDCM			<6	
CCT(K)			1-CCT: 3000K/4000K/5000K/5700K 3-CCT: 3000K + 4000K + 5700K	
CCT Selection DIP Switch			YES	
Luminous Flux (lm) ±5%	Non-DIM	1-CCT	1200-1400	1650-1900
	DIM		1050-1200	1600-1850
	Non-DIM	3-CCT	1200-1400	1650-1900
	DIM		1050-1200	1600-1850
CRI			≥80	
Beam Angle (°)			120°	
UGR			-	
LED Driver			Built-in	
Dimming Option			Triac	
Sensor			PIR sensor + Daylight sensor	
Emergency Kits			No	
Electrical Class			Class I	
Ingress Protection (IP Rating)			IP65	
Impact Resistance (IK Rating)			IK08 (for standard)	
Product Finishing(Base)			Black RAL9005	
Materials of Optics			PC	
Materials of Housing			Aluminium	
Lifetime (hr)			50,000h	
Glow wire test (°C)			850°C	
Operating Temp. (°C)			-20°C ~45°C	
Storage Temp. (°C)			-20°C ~65°C	
Installation			Wall 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				
WL80	251	167	80	251*167*80	0.95	1.15	11.5	14	58.5*39.5*32	12PCS	4416	10560

Driver Datasheet(Non-dimmable)

Total load wattage		12W	18W
Output	Output Voltage range	DC65-80V	
	Rated output current	160mA±5%	230mA±5%
	Line Regulation	±5%	
	Setup, Rise Time	≤0.5S	
	Flickering Index	3%(NO RISK)	
Input	Input Voltage	AC200-240V	
	Rated Input Voltage(V)	AC230V	
	Frequency	50/60Hz	
	Input Current	0.07A	0.1A
	Rated Input Current	0.06A	0.09A
	Power Factor	0.9	
	THD	-	
	Efficiency	≥85%	≥87%
	No load wattage	≤0.5W	
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)	
	EMC Emission	EN55015, EN61000-3-2	
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547	

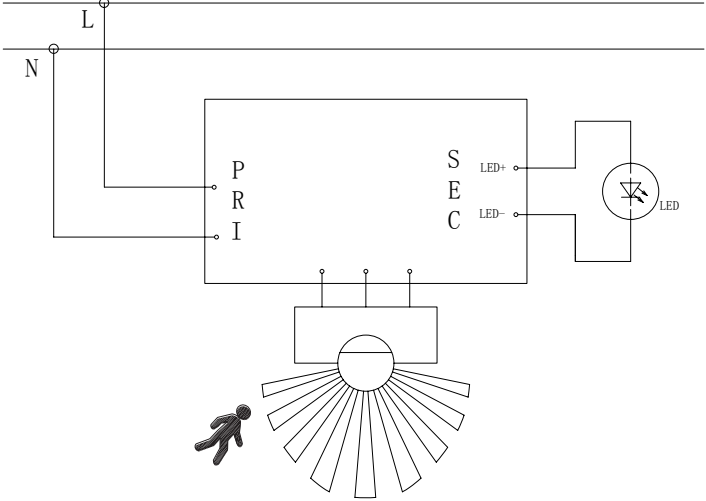
Driver Datasheet(Triac Dimmable)

Total load wattage		12W	18W
Output	Output Voltage range	DC60-75V	
	Rated output current	140mA	230mA
	Line Regulation	±5%	
	Setup, Rise Time	<0.5S@AC230V	
	Flickering Index	<5%(NO RISK)	
Input	Input Voltage	AC200-240V	
	Rated Input Voltage(V)	AC230V	
	Frequency	50Hz	
	Input Current	≤0.07A	≤0.1A
	Rated Input Current	0.06A	0.09A
	Power Factor	0.9	
	THD	< 20%	
	Efficiency	≥81%	≥84%
	No load wattage	-	
Protection	Short circuit protection	Pass	
	Over voltage protection	Pass	
	Over temperature protection	Pass	
Safety & EMC	Withstand voltage	-	
	Isolation Resistance	-	
	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	

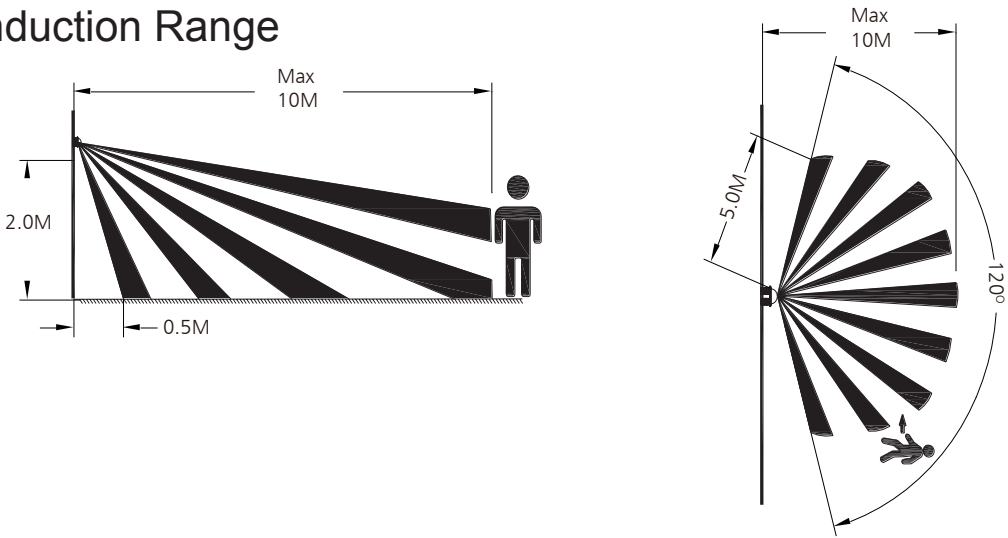
Datasheet (Sensor)

Sensor datasheet	
Operating Voltage	3.3V
Microwave frequency	-
Detection angle	120°(@25°C, 85%RH, Install Height:2M)
Detection Area	MAX 9M(@25°C 85%RH Install Height:2M)
Hold time	60S
Daylight sensor	Ambient lux less than 30lux, if detected movement, then light up for 1min.
Stand-by DIM Level	-
Stand-by Period	-
Dimming Range	-
Microwave ON/OFF function	-
Installation Height	1.5--2.5M
Operating temperature(°C)	-20°C ~45°C

Wiring Diagram



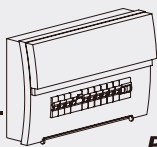
Induction Range



Installation Instruction

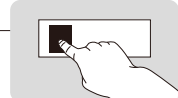
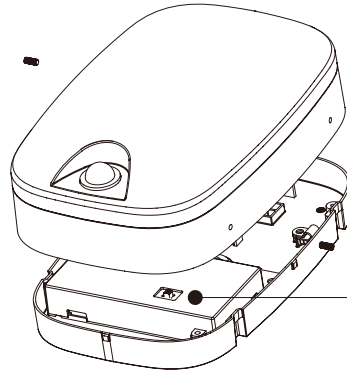
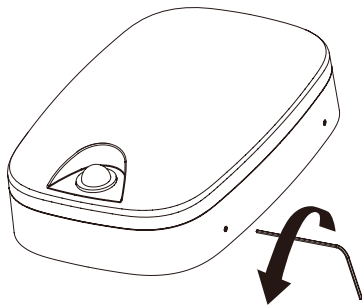
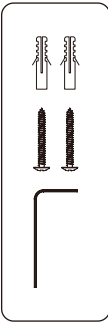
WARNING

- 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.



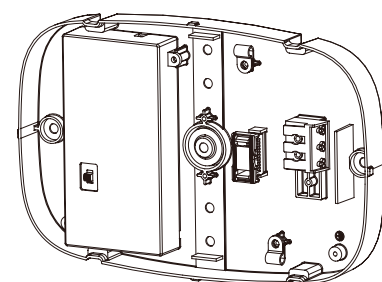
Turn Off
Power Supply

Wall mounted installation

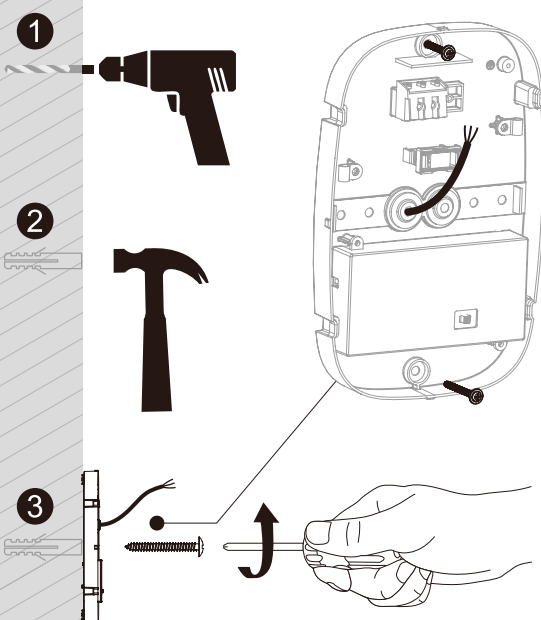
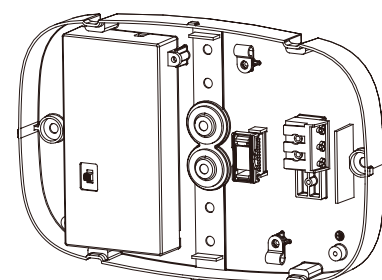


select preferred colour
temperature for product in
CCT change function only

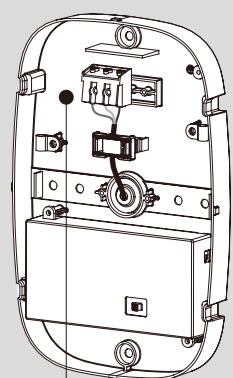
Mains Cable entry (1X)



Mains Cable entries (2X)



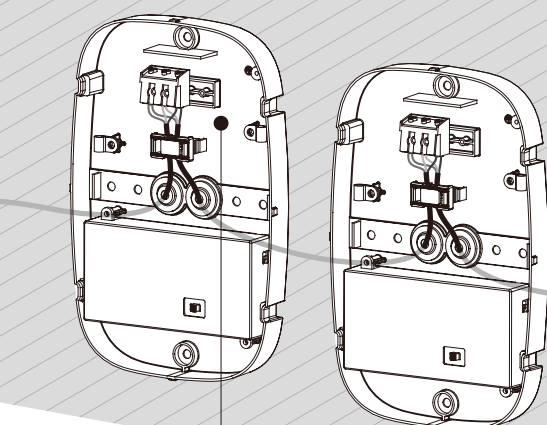
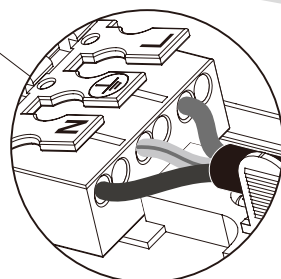
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- L — Switched
- ⊕ — Earth
- N — Neutral

Wire diameter: 0.5-2.5mm²
Wire stripping length: 8-10mm

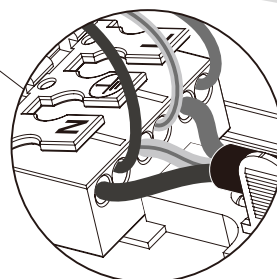
Mains Cable entry (1X) Concealed wire



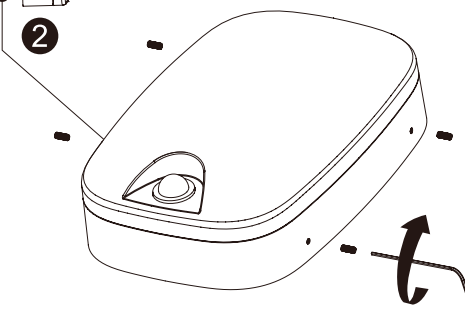
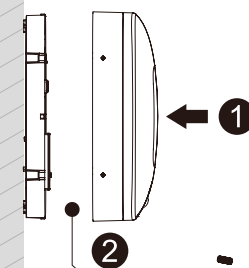
- L — Switched
- ⊕ — Earth
- N — Neutral

Wire diameter: 0.5-2.5mm²
Wire stripping length: 8-10mm

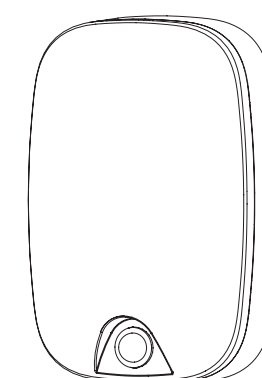
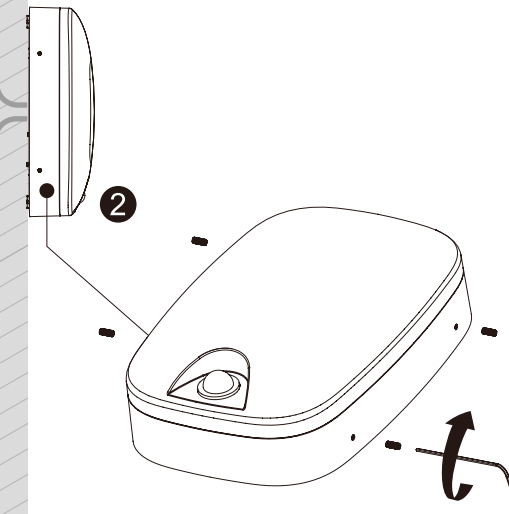
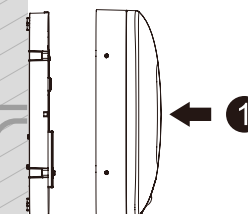
Mains Cable entries (2X) Tandem connection



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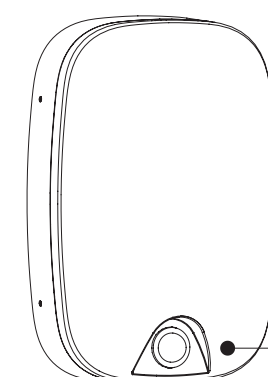


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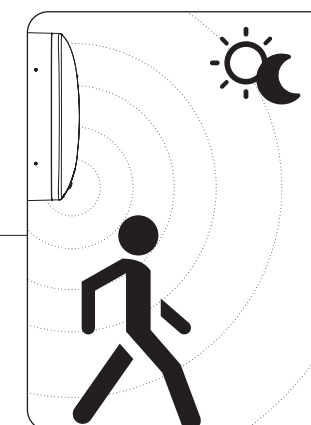


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COMPLETE



Daylight sensor
PIR Sensor





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