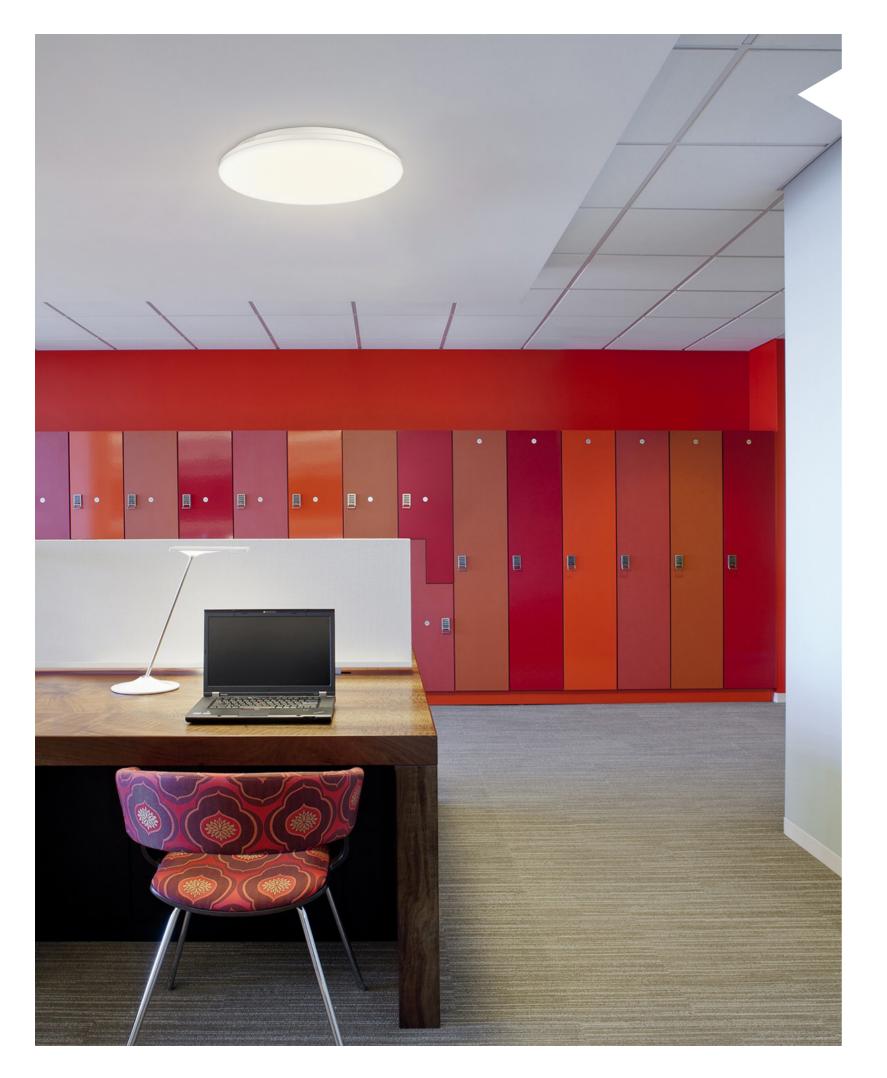


LIGHTING



Introduction

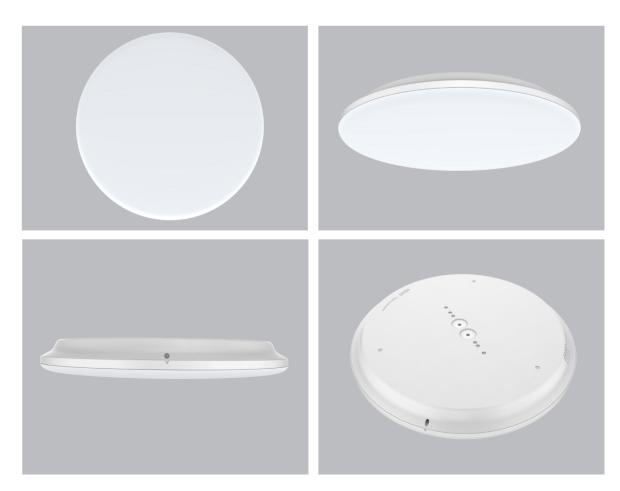
This is a super slim and frameless ceiling light design. It has a curved surface, sand-grained PC shade offers a uniform light output, framelss with full luminous. IP54 and IK08 high protection ensure a long lifespan, loop in/out design makes an easier installation.

Features

- Super slim with 46/48mm thickness.
- High lumen efficiency, 100lm/W.
- IP54 IK08 high protection level.
- Dimming way: Non- dim, triac dim, DALI dim.
- Internal flicker free driver.
- Adjustable CCT and adjustable power.
- Lamp color: White RAL9016.(Can customize other color as required.)
- S7: Adjustable sensor with slide switch.

Application Areas

It is designed for general lighting applications, such as Hotel, office, Restaurant, Corridor etc, also can be used in class room (wet condition), living room (wet condition)





Technical Data Sheet (1)

Code No.		AL117-8-12W	AL117-11-12W	AL117-11-18W	AL117-14-25W		
Dimension(mm)			Ø200*46			Ø350*48	
Cutout (mm)					-		
Watt(W)			12W	12W	18W	25W	
Rated Input Vo	ltage(V)		AC230V				
Input Voltage(\	/)			AC20	0-240V		
LED Module Inp	out				-		
Light Source				S	MD		
SDCM				<6 (@3000K	(4000K 5000K)		
CCT(K)			1-CCT: 3	3000K/4000K/5000K/5700K	3-CCT: 3000K + 4000K +	+ 5700K	
CCT Selection D	IP Switch			Υ	/ES		
	Non-DIM	1-CCT	1100-1300	1100-1300	1660-1900	2300-2650	
Luminous Flux	DIM	1-001	1050-1250	1050-1250	1620-1850	2250-2600	
(lm) ±5%	Non-DIM	3-CCT	1100-1350	1100-1350	1660-1950	2300-2700	
	DIM	3-001	1050-1300	1050-1300	1620-1900	2250-2650	
CRI			≥80				
Beam Angle (°)			120°				
UGR			_				
LED Driver			Built-in				
Dimming Option	on		Triac/ DALI				
Sensor			Microwave sensor & Daylight sensor				
Emergency Kits			-				
Electrical Class			Class II				
Ingress Protecti	on (IP Rating)		IP54				
Impact Resistar	ice (IK Rating)		IK08				
Product Finishir			White RAL 9016				
Materials of Op	otics				PC		
Materials of Ho	using		PC				
Lifetime (hr)			50,000h @ L70B50 Ta=25°C				
Glow wire test (°C)			750°C Cover) 850°C (Lamp Base)				
Operating Temp. (°C)			-20°C ~45°C				
Storage Temp.	(°C)		-20°C ~65°C				
Installation				Surface mou	nt/Wall mount		





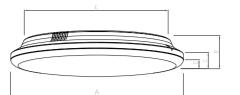












Measurement

Code	Dir	nensic	n(mm)		Simo(mama)	Product W	/eight (Kg)	Package w	veight (Kg)	Carton	Ot /CTN	20GP	40HQ
Code	А	В	С	D	Е	Size(mm)	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN	Size(cm)	Qty/CTN	(pcs)	(pcs)
8"	Ø200	46	24	16	175	Ø200*46	0.5	0.62	6	8.2	47.5*34.5*25	12	8436	19944
11"	Ø275	48	26	17	230	Ø275*48	0.8	0.96	9.6	12.5	58.5*34.5*30.5	12	5136	12384
14"	Ø350	48	26	17	305	Ø350*48	1.2	1.43	12	15.5	57.5*37.5*38	10	3600	7930

Technical Data Sheet (2)

Code No.			AL117-11-18W-A3	AL117-11-18W-A3C3	AL117-14-24W-A3	AL117-14-24W-A3C3		
Dimension(mm)		Ø275*48 Ø350*48			0*48		
Cutout (mm)			_					
Watt(W)			6W/12W/18W 15W/20W/24W					
Rated Input Vol	tage(V)			AC85-265V				
Input Voltage(V				AC100	0-240V			
LED Module Inp				,,,,,,	_			
Light Source				SI	MD			
SDCM					4000K 5000K)			
			1-CCT:	3-CCT: 3000K + 4000K +	1-CCT:	3-CCT: 3000K + 4000K +		
CCT(K)			3000K/4000K/5000K/5700K	5700K	3000K/4000K/5000K/5700K	5700K		
CCT Selection D	IP Switch		NO	YES	NO	YES		
	Non-DIM	1-CCT	6W: 600-680 12W: 1100-1300 18W: 1650-1850	-	15W: 1450-1650 20W: 1850-2100 24W: 2250-2500	-		
Luminous Flux	DIM		<u>-</u>					
(lm) ±5%	Non-DIM	3-CCT	-	6W: 600-700 12W: 1100-1350 18W: 1650-1900	-	15W: 1450-1700 20W: 1850-2200 24W: 2250-2600		
	DIM				-	2 2233 2333		
CRI			≥80					
Beam Angle (°)			120°					
UGR			-					
LED Driver			Built-in					
Dimming Option	on		NO					
Sensor			-					
Emergency Kits			-					
Electrical Class	(12.2.1.)		Class II					
Ingress Protection			IP54					
Impact Resistance (IK Rating)			IK08					
Product Finishing(Base)			White RAL 9016					
Materials of Optics Materials of Housing			PC PC					
Lifetime (hr)			50,000h @ L70B50 Ta=25°C					
Glow wire test (°C)			750°C Cover) 850°C (Lamp Base)					
Operating Temp			-20°C ~45°C					
Storage Temp. (~65°C			

Driver Datasheet(Non-dimmable)

	Total load wattage	12W	18W	25W		
	Output Voltage range		DC60-75V			
	Rated output current	160mA	230mA	330mA		
Output	Line Regulation		±5%			
Саграг	Setup, Rise Time		<0.5\$			
	Flickering Index		3%,IEEE1789 NO RISK			
	Input Voltage		AC200-240V			
	Rated Input Voltage(V)		AC230V			
	Frequency					
	Input Current	≤0.07A	0.1A	0.14A		
Input	Rated Input Current	≤0.06A	0.09A	0.12A		
	Power Factor					
	THD		<20% @230V			
	Efficiency	≥85%				
	No load wattage	<0.5W				
	Short circuit protection	Pass				
Protection	Over voltage protection	Pass				
	Over temperature protection		Pass			
	Withstand voltage	-				
	Isolation Resistance	l/P-O/P: 500VDC, ≥100M Ω				
Safety &EMC	Surge	L-N:	L-N:1KV			
	EMC Emission	EN55015, EN61000-3-2				
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547				

Driver Datasheet(Traic Dimmable)

	Total load wattage	12W	18W	25W		
	Output Voltage range	DC60-75V		DC65-75V		
	Rated output current	140mA	230mA	320mA		
Output	Line Regulation		±5%			
омерия	Setup, Rise Time	<(0.5S	<15		
	Flickering Index		<5%(NO RISK)			
	Input Voltage		AC200-240V			
	Rated Input Voltage(V)		AC230V			
	Frequency		50Hz			
	Input Current	≤0.07A	≤0.1A	0.14A		
nput	Rated Input Current	≤0.06A	≤0.09A	0.13A		
прис	Power Factor	0.9				
	THD		-			
	Efficiency	81%		1%		
	No load wattage	≤	1W	<1W		
	Short circuit protection	Pass				
Protection	Over voltage protection	Pass				
	Over temperature protection	Pass				
	Withstand voltage	-				
	Isolation Resistance	-				
Safety &EMC	Surge	L-N:	L-N:1KV			
	EMC Emission	EN55015, EN61000-3-2				
	EMC Immunity		EN61000-4-2,3,4,5,6,8,11; EN61547	1		

Driver Datasheet(DALI Dimmable)

	Total load wattage	18W	25W			
	Output Voltage range	DC28-40V				
	Rated output current	400mA	600mA			
Output	Line Regulation	±5	%			
	Setup, Rise Time	<1	1S			
	Flickering Index	<5%(No	O RISK)			
	Input Voltage	AC200	-240V			
	Rated Input Voltage(V)	230	OV			
	Frequency	50/60Hz				
	Input Current	≤0.1A	≤0.14A			
Input	Rated Input Current	0.09A	0.13A			
'	Power Factor	0.9				
	THD	<20% @230V				
	Efficiency	≥81%				
	No load wattage	<1W				
	Short circuit protection	Pass				
Protection	Over voltage protection	Pass				
	Over temperature protection	Pass				
	Withstand voltage	l/P-O/P:3.75KVac,<5mA 60S; l/P-FG:1.6KVa	ac,<5mA 60S; O/P-FG:0.5KVac,<5mA 60S			
	Isolation Resistance	l/P-O/P: 500VDC, ≥100M Ω				
Safety &EMC	Surge	L-N:0.5KV	L-N:1KV			
	EMC Emission	EN55015, EN61000-3-2				
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547				

Driver Datasheet(Adjustable power)

	Total load wattage	6W/12W/18W	15W/20W/24W		
	Output Voltage range	DC60-75V			
	Rated output current	75/160/245mA	205/270/320mA		
Output	Line Regulation		±5%		
Output	Setup, Rise Time		<0.5S		
	Flickering Index		<30%		
	Input Voltage	AC	C85-265V		
	Rated Input Voltage(V)	AC	100-240V		
	Frequency	50/60Hz			
	Input Current	≤0.24A	≤0.32A		
Input	Rated Input Current	≤0.2A	≤0.27A		
трас	Power Factor	0.9			
	THD	<20% @230V			
	Efficiency	≥88%			
	No load wattage	<0.5W			
	Short circuit protection		Pass		
Protection	Over voltage protection	Pass			
	Over temperature protection	Pass			
	Withstand voltage		-		
	Isolation Resistance	-			
Safety &EMC	Surge	P<25W L-N:500V			
	EMC Emission	EN55015, EN61000-3-2			
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547			

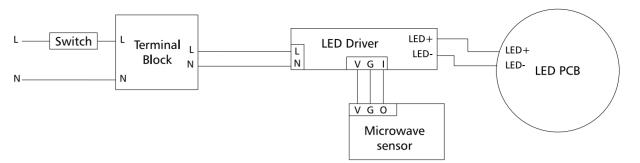
Driver Datasheet(Non-dimmable for sensor)

	Total load wattage	12W	18W	25W			
	Output Voltage range		DC60-75V				
	Rated output current	145mA	220mA	320mA			
Output	Line Regulation		±5%				
o a tp a t	Setup, Rise Time		<0.5\$				
	Flickering Index		3%(NO RISK)				
	Input Voltage		AC85-265V				
	Rated Input Voltage(V)		AC100-240V				
	Frequency		50/60Hz				
	Input Current	≤0.16A	≤0.24A	≤0.33A			
Input	Rated Input Current	≤0.14A	≤0.2A	≤0.28A			
, '	Power Factor	0.85	9				
	THD	<20% @230V					
	Efficiency	≥{	31%	≥84%			
	No load wattage		<0.7W	<0.7W			
	Short circuit protection	Pass					
Protection	Over voltage protection	Pass					
	Over temperature protection		Pass				
	Withstand voltage	-					
	Isolation Resistance	-					
Safety &EMC	Surge	L-N:0.5KV L-N:1KV					
	EMC Emission		EN55015, EN61000-3-2				
	EMC Immunity		EN61000-4-2,3,4,5,6,8,11; EN61547				

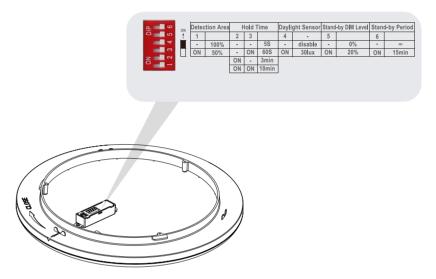
Datasheet (Sensor S7)

	Sensor datasheet
Operating Voltage	DC7-12V
Power consumption	0.5W±0.2W
Microwave frequency	5.8GHz±75MHz, ISM wave band
Transmission power	<0.5mW
Detection angle	140°
Detection Area	4-6M
Hold time	5S/60S/3min/10min
Daylight sensor	30lux/disable
Stand-by DIM Level	0% / 20%
Stand-by Period	15min / ∞
Dimming Range	-
Microwave ON/OFF function	-
Installation Height	Recommended Installation Height: Wall mounted height 1.8m. Ceiling mounted height 3m.
Operating temperature(°C)	-20°C ~60°C

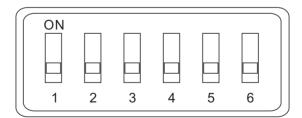
Wiring Diagram



Daylight & Microwave Sensor:



factory setting:



Sensor Setting:

Detection area:

Detection Area		
1		
-	100%	
ON	50%	

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each

Notice 1: The test is based on a height of 3m, the radius is the ground detect distance, which can be selected through the

Notice 2: The detective range is measured by human body whose stature is around 1.6-1.7M with medium size and traveling speed is around 1.0-1.5M per second. If the stature, bodily form and traveling speed are changed, then the detective range will be changed accordingly.

Notice 3: Test result will be highly influenced by test environment, the more open environment, the closer detect distance; the narrower environment, the longer detect distance. The detectormay do self-excitation in a narrrow environment.

Hold Time			
2	3		
-	-	5S	
	ON	60S	
ON		3min	

ON ON 10min

Hold time:

Refers to the time period the lamp remains at 100% illumination after no motion detected.

Notice 1: The hold time can be selected by the slide switch.

The hold time counting should be started after the sensor is powered on and initialized.

Daylight Sensor		
4	-	
	disable	

ON 30lux

Daylight sensor:

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold. When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.

Notice 1: The light threshold can be selected through the slide switch, it may cause a large deviation in different lamps.

Stand-by DIM Level		
5		
-	0%	
ON	20%	

Stand-by dimming level:

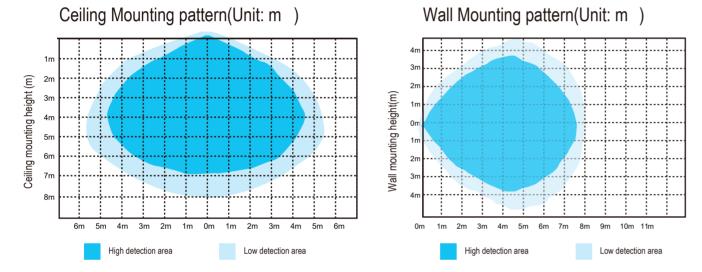
This is the dimmed low light output level you would like to have after the hold-time in the absence of people.

Stand-by Period	
6	
	∞
ON	15min

Stand-by period:

This is the time period you would like to keep at the low light output level before it is completely switched off in the long absence of people.

Induction Range



Installation Instruction

WARNING

- 1.Switch off before installation.
- 2.Switch on only after complete installation and examination of the circuit.





How to Install

