

- The 18W PIR smart motion sensor LED panel surface mounted is a cost-effective and energy-efficient lighting solution specifically designed for indoor use.
- The device includes a PIR motion sensor which is capable of detecting movement and automatically activating the light to 100% brightness for a duration of 30 seconds, before dimming to 30% in the absence of any further movement.
- The LED panel has an IP20 rating, and its dusk to dawn feature allows it to automatically switch on to 100% brightness at dusk and then dim to 70% at dawn, offering hassle-free outdoor lighting without the need for manual or separate control.

Housing: Die-cast aluminium housing with powder coating.

Diffuser: PMMA

Wattage: 12W-25W LED SMD

Lumens: 90LM/W

CCT: 4000K(Standard)

2700K, 3000K and 5000K(Optional)

CRI: >85

SDCM: <3

UGR: <19

Beam Angles: 110°



Ingress Protection: IP20

Operating Temperature: -20° to 45°C

Lifespan: 50,000 hours(L90 B10 @35°)

Mounting Type: Recessed

Dimensions: Ø 195 X 47mm

T_a
45°C

CRI
Ra 85



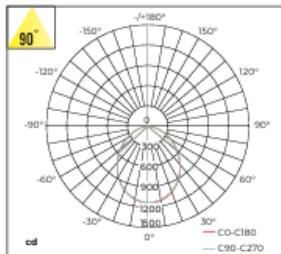
Key Information

Shape	Round
Mounting Type	surface
Mounting Location	Ceiling
Engine Orientation	Fixed
LED Type	SMD LED
Power	12W-25W @100%. SMART SENSOR WORK ON 30%
CCT(K) Options	3000K / 4000K / 5000K / 5700K
Luminous Efficacy	90-100LM/W
Beam Angle	120 DEGREE
CRI	>85
SDCM	<3
Lifespan	50,000 hours(L90 B10 @35°)

Physical

Housing	Die-cast aluminium
Housing Finish	Electrostatic powder coating
Housing Color(Options)	White / Silver / Black
Diffuser	PMMA
Lens	-
Glow Wire Test	850°C

Polar Diagram:



Environmental

Installation Environment	Indoor
IK Rating	06
IP Rating	IP20
Operating Temperature	-20° to 45°C
Humidity	0~90%
Weight	0.77Kgs

Status

S25-Smart Panel
S22-Smart Panel
S18- Smart Panel
S12- Smart Panel

100% ON

25W
22W
18W
12W

30% working

7.5W
6.6W
5.4W
3.6W



MOTION SENSOR



MOTION SENSOR

Product Mark

Product Type :RECESSED PANEL LIGHT 18W

Manufacturer :

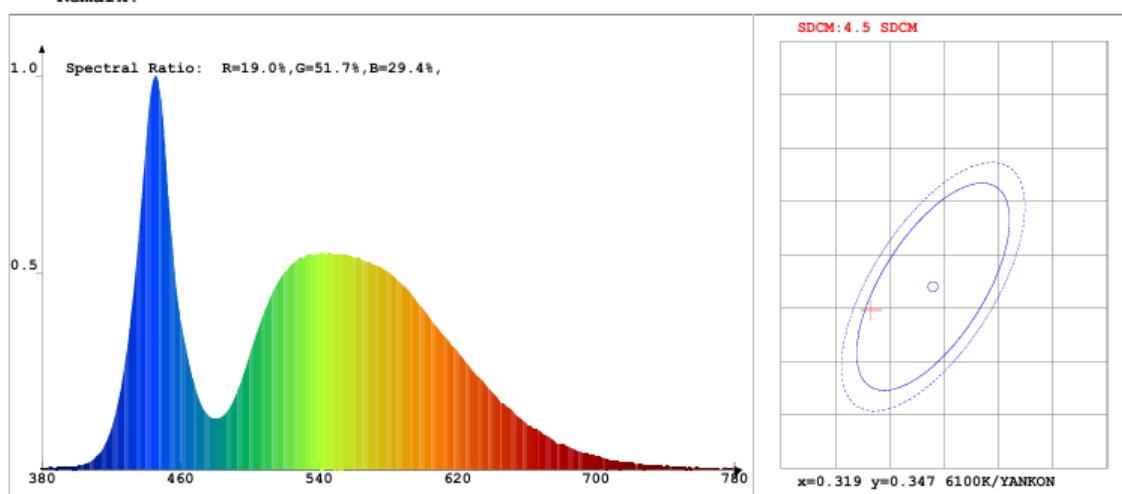
Temperature : 'C

Humidity : 65%

Operator :

Test Date :2023-03-31 14:10:57

Remark:

**Chroma Parameters**

Chro. Coor.:x=0.3133 y=0.3448 u=0.1925 v=0.3177 duv=0.0108

CCT: 6371K Dominant Wave.:499.3nm Purity:6.2%

Flux RGB Ratio:R=11.4%,G=85.9%,B=2.6% Peak Wave:445.6nm Half Width:22.2nm

Rendering Index:Ra= 70.9

R1 =67	R2 =74	R3 =80	R4 =72	R5 =70	R6 =67	R7 =81	R8 =57
R9 =-43	R10=40	R11=71	R12=46	R13=67	R14=89	R15=60	

Photo Parameters

Flux:1706.961m	Effi.:97.81m/W	Radiant:4839.6mW	Iv:0.0mcd
Efficiency:0.139	Effi Level:A+ (EU 874-2012)		

Ele. Parameters

Voltage:U=220.200V	Current:I=0.1480A
Power:P=17.46W	Power Factor:PF=0.533

Instrument state

Instrument:Hopoo HP8000S	Integral Time: 42.248ms	VPeak: 13671
VDark: 1194	Scan Range: 380-780nm	Product ID: 201506895

Product Feature

1. Adopt Doppler principle, develop planar antenna transceiver circuit, which can detect electromagnetic environment intelligently, adjusting working stable, inductive time, mode automatically. It can be customized accordingly.
2. Low power consumption when static, generally 5W-5.8W for 18W (example)
3. When people or car, the light can inducted and worked at full power, 18.0W
4. Full load working time 25S-30S
5. Induction range 1-6 meters.
6. Daily power consumption 5.83 w (according to working time).
7. Apply for underground parking, market, stairs and so on, lasting-lighting area, pump and electrical room.
8. Wide voltage input /constant-current precision 2%.
9. Overvoltage, short circuit, open circuit protection.

10. Power factor PFC>0.9.

11. High efficiency >0.95 (>200mA)~~0.83(<100mA)

12. Compared with IR series radar switching induction can induct longer, wider without any dead zone. It can penetrate glass and plank. It also can penetrate wall of different thickness according to power

The induction distance will not be shortened under 60 . Radar switch is a ideal replacement of IR switch.