



Model No.	OSFRS5LXX
REV.	C2

## PRODUCT SPECIFICATION FOR 5mm Round White LED Ring

### Specifications :

- Diameter (outer): 52.5mm
- Diameter (inner): 18.75mm
- Height: 12mm
- LEDs: 36pcs
- Volts: 12-15Volts DC
- Lifetime: 20,000hrs

### Features :

- IR power on –CDS auto control
- Color transparent type
- Superior UV resistance
- 5mm round LED ribbon light
- Directly use on line voltage
- Low power consumption, high intensity
- Energy saving
- Excellent beam control
- Long life

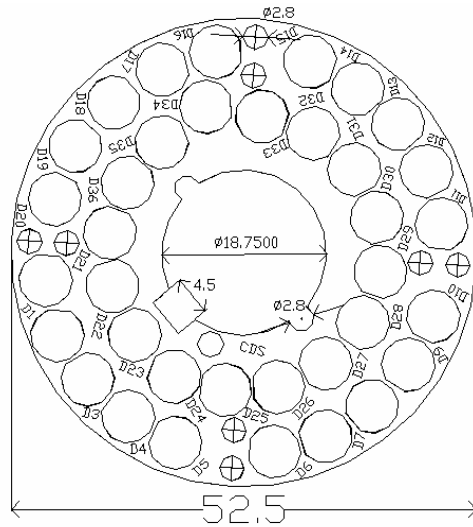
### Application :

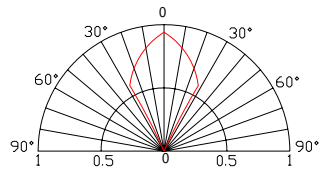
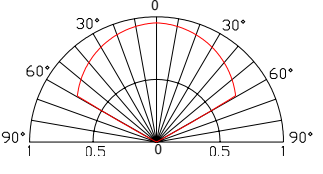
- Pickup device
- Monitoring devices
- Remote controlling

Model No.	OSFRS5LXX
REV.	C2

**Product Picture and Dimensions:**

Unit: mm      Tolerance: ±0.5


**Device Selection Guide**

Module No	LED	Color	Chromaticity Coordinates (Typ.)	Luminous Flux /LED Module	LED Module Beam Angle	Pattern
OSFRS5LWA	OSW5DK5111A	Pure White	X=0.27, Y=0.28	144 lm	60 degree	
OSFRS5LWB	OSW5DK5451B	Pure White	X=0.27, Y=0.28	144 lm	120 degree	

Model No.	OSFRS5LXX
REV.	C2

### Absolute Maximum Ratings(Ta=25 )

Items	Symbol	Values	Units
Operating Supply Range(DC)	V <sub>idc</sub>	15	V
Input Current (DC)	I <sub>i</sub>	260	mA
Power Dissipation	P <sub>a</sub>	3.9	W
Operating Temperature	T <sub>ope</sub>	-10 ~ +60	DegC
Storage Temperature	T <sub>stg</sub>	-20 ~ +50	DegC

### Typical Performance (Ta=25 )

Items	Symbol	Min.	Typ.	Max.	Units
LED Module Power	P <sub>m</sub>	-	2.8	3.9	w
Input Voltage(DC)	V <sub>i</sub>	-	12	15	V
Product Input Current	I <sub>f</sub>	-	240	260	mA
LED Quantity	QTY	-	36	-	PCS
Total Diameter of PCB	L <sub>mod.</sub>	-	52.5	-	mm
Net Weight	Wei.	---	25	---	g

### Caution

- To prevent electric shocks and risk of fire hazards, do **NOT** use other than specified power source.
- The power supply must through safe attestation. Its output voltage/ current/ voltage polarity and operating temperature must match the requirement.
- Please note the IR module's operating temperature and its using environment requirement. Avoid using at too high or too low temperatures.