



Model No.	OSFKS5XX
REV.	C1

PRODUCT SPECIFICATION FOR **850nm & 940nm Infrared LED Ring**

Specifications:

- Diameter (outer): 44mm
- Diameter (inner): 18.75mm
- Height: 9mm
- LEDs: 18pcs
- Each LED watts: 0.12W
- Total Watts: 2.16W
- Volts: 12-15Volts DC
- Lifetime: 20,000hrs

Features:

- IR Power ON –CDS Auto Control
- IR Wavelength 850nm or 940nm
- Color Transparent Type
- Superior UV Resistance
- 0 Lux with IR LED ON. Adopt high Radiant Power IR LED, having very good night-vision effect

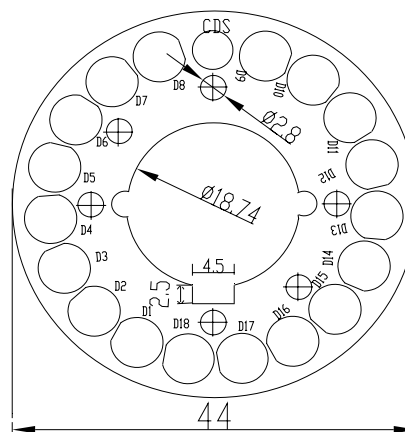
Application:

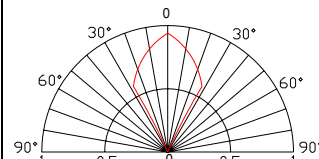
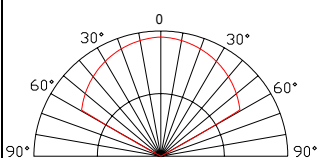
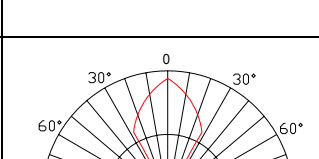
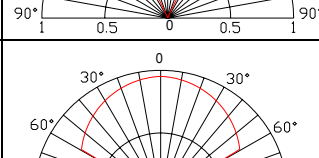
- Pickup device
- CCTV camera, IR camera
- Monitoring devices
- Remote controlling

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Product Picture and Dimensions:

Unit: mm Tolerance: ± 0.5



Module No.	LED	Wavelength (Typ.)	LED Module Beam Angle	Pattern
OSFKS5CS	OSI3CA5113A	850nm	60 degree	
OSFKS5CC	OSI3CA5453B	850nm	120 degree	
OSFKS5JS	OSI5LA5113A	940nm	60 degree	
OSFKS5JC	OSI5LA5453B	940nm	120 degree	

Absolute Maximum Ratings(Ta=25)

Items	Symbol	Values	Units
Operating Supply Range(DC)	V _{idc}	15	V
Input Current (DC)	I _i	190	mA
Power Dissipation	P _a	2.85	W
Operating Temperature	T _{ope}	-10 ~ +60	DegC
Storage Temperature	T _{stg}	-20 ~ +50	DegC

Typical Performance (Ta=25)

Items	Symbol	Min.	Typ.	Max.	Units
LED Module Power	P _m	-	2.16	2.85	W
Input Voltage(DC)	V _i	-	12	15	V
Product Input Current	I _f	-	180	190	mA
LED Quantity	QTY	-	18	-	PCS
Total Diameter of PCB	L _{mod.}	-	44	-	mm
Net Weight	Wei.	---	7.44	---	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.