

## SEM222C Ceiling Light Intensity Sensor

### MAIN FEATURES

- The illuminance measurement range is 0 ~ 65535 lux, 0 ~ 200000 lux and so on;
- The built-in high-sensitivity photosensitive probe has the characteristics of stable signal, high reliability, high measurement accuracy and strong anti-interference performance;
- The shell adopts the beautiful ceiling shell, which is easy to use and install;
- It adopts 10 ~ 30V wide voltage power supply, which is suitable for laboratory, archives, electronic equipment production line and other indoor places that need to monitor the illuminance.



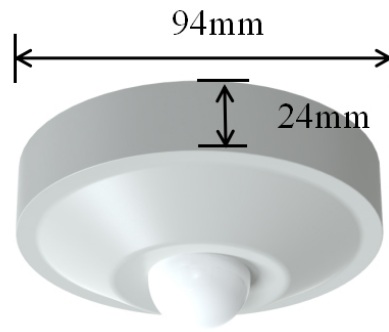
### OVERVIEW

SEM222C ceiling type light transmitter is a high-precision photosensitive transmitter, which adopts the ceiling mounting mode, and the measurement unit of data output is lux.

### SPECIFICATION

Light intensity range	0-65535Lux; 0-200000Lux	
Temperature and humidity range	-40°C~+60°C, 0%RH~80%RH	
Power supply	10-30VDC	
Power consumption	0.4W	
Output signal	RS485(Modbus),4-20mA,0-5V, 0-10V	
Accuracy	Temperature	±3%RH(60%RH,25°C)
	Humidity	±0.5°C (25°C)
	Light intensity	±7%(25°C)
Long term stability	Temperature	≤0.1°C/y
	Humidity	≤1%/y
	Light intensity	≤5%/y
Response time	Temperature	≤18s(1m/s wind speed)
	Humidity	≤6s(1m/s wind speed)
	Light intensity	0.1s

**DIMENSION**



0-65535Lux Photosensitive sphere



0-200000Lux Photosensitive sphere

**ORDER CODE**

<b>Code:</b>	A	-	B	-	C
<b>SEM</b>	222C1	-	P	-	R

Model	Code A
Ceiling Light Intensity Sensor	222C1
Light intensity, temperature and humidity three in one sensor	222C2
Range	Code B
0-65535Lux	R1
0-200000Lux	R2

Signal output	Code C
485 output (standard Modbus-RTU)	R
4~20mA current output	S4
0~5V voltage output	S5
0~10V voltage output	S1