

Specification

Product Name: Daylight sensor

Model No.: MS23 Z

Version	Date	Reasons	Publishing
V1.0	2024.06.28	First issue	James. Guo

【产品特点】

- 12VDC input, suitable for LED power supply with 12VDC auxiliary power output.
- Daylight harvesting function, realizes automatic brightness adjustment through 0-10V dimming power supply.
- Zhaga Book 18 interface, daylight priority and harvesting
- Mounting height 2.0-12.0m, suit to linear high bay, tri-proof light, UFO
- All brightness parameters are set via the remote control.



【参数特性】

Input			
Operating Voltage Range	11-13Vdc		
Rated Voltage	12Vdc		
Working Current	< 10mA		
Wiring	Zhaga Book 18 interface		
Output			
Working Mode	0-10VDC		
Load Type	linear lights, tri-proof lights with 0-10V port		
Wiring	Zhaga Book 18 interface		
Dim Interface			
0-10V dimming	< 50mA (non-constant current source)		
Sensor Parameters			
Daylight	Priority	ON	Off
		5Lux	30Lux
		15Lux	50Lux
		30Lux	75Lux
		50Lux	100Lux
		75Lux	150Lux
		100Lux	200Lux
		150Lux	300Lux
		200Lux	400Lux
	Harvesting	200Lux/300Lux/400Lux/500Lux/ 600Lux/700Lux/800Lux	
Installation Height	2-12m (15m Max)		
Environment			
Operating Temperature	-25℃...+60℃		
Storage Temperature	-40℃...+80℃, humidity:10%-95%, non condensing		
Certificate Standards			
Environmental Requirement	Compliant with RoHS		

Certificate	CE
IP Rating	IP65
Others	
Protection Class	Class 2
Installation	wall mount or ceiling mount
Installation Size	See size drawing
Net weight	14±3g
Package	White bag+Clapboard + Carton(K=A)
Lifetime	5 years warranty@Ta 0-10V power supply full load

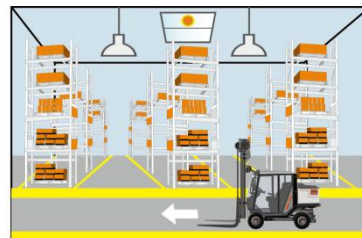
【FunctionN】

priority

- Daylight Priority with 0-10V dimming power supply

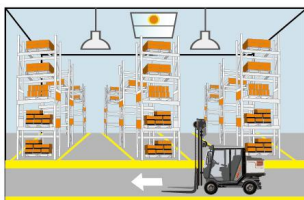


- 1 Lamp turns on automatically at dusk or at the time when ambient light level is lower than the preset ON value.

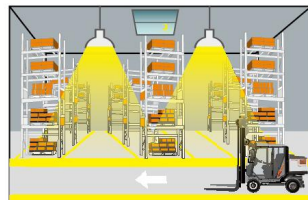


- 2 Lamp turns off automatically when ambient light is sufficient.

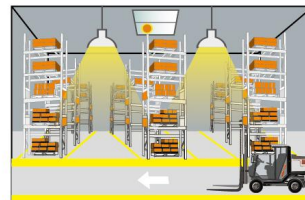
Daylight Harvesting Function(with 0-10V dimming power supply)



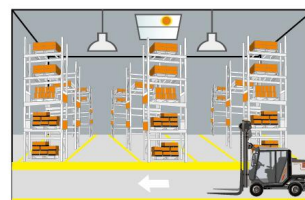
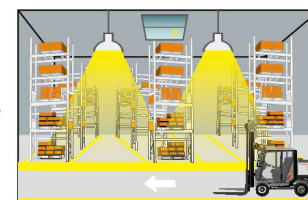
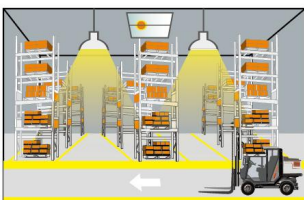
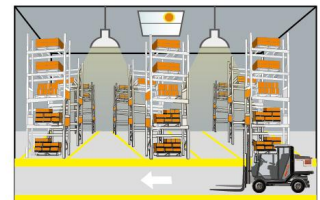
- 1 With sufficient ambient light, the light will not be switched on.



- 2 Light will be switched on when ambient light level is below preset lux level.



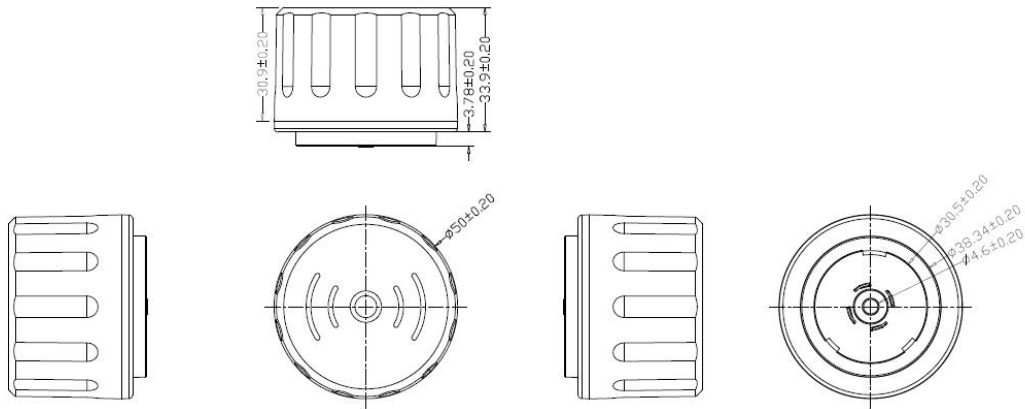
- 3 Sensor dim up/down lamp automatically according to change of sunlight level outside window.



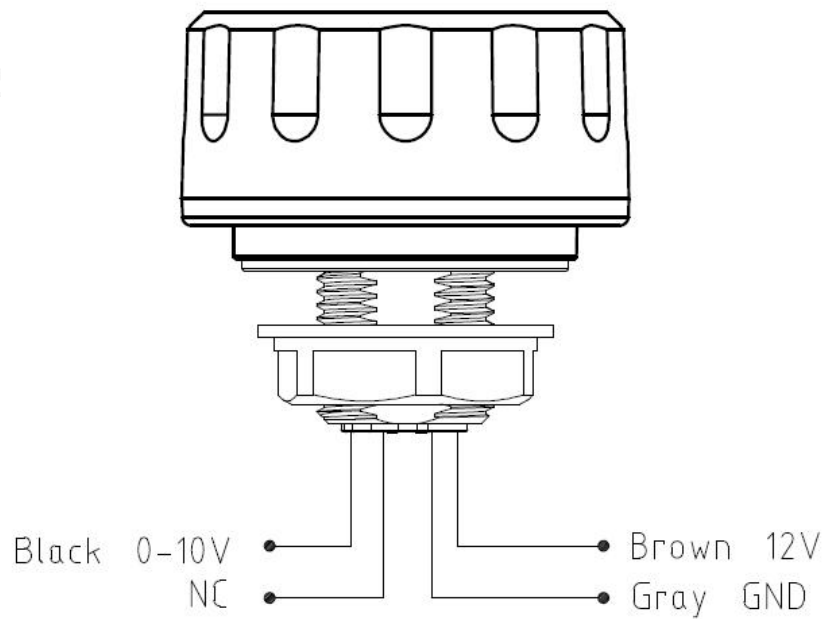
- 4 With enough sunlight, sensor will switch off.

【Product Information】

- Dimension (Unit: mm)

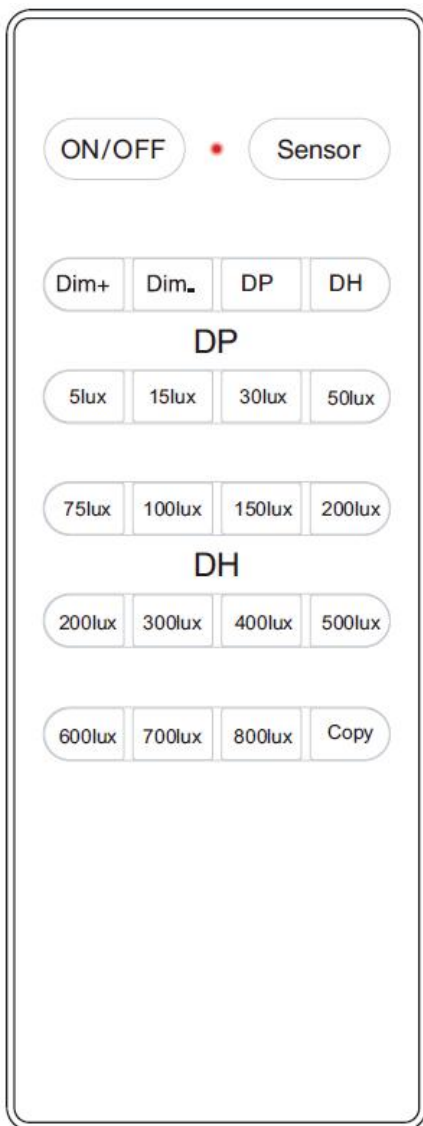


- Wiring



5.Copy indicates that the current value is adaptive brightness

【Remote Control】MH23



1. Set the lamp to be steady ON/OFF, press Sensor to exit, and restore to the previous setting parameters
2. Press Dim+, Dim- and adjust the brightness by 5%
3. DP :Daylight priority mode Default:30Lux ; Daylight value: 5Lux/15Lux/30Lux/50Lux/75Lux/100Lux/150Lux/200Lux
4. DH:Daylight harvesting mode Default:400Lux: Daylight value: 200Lux/300Lux/400Lux/500Lux/600Lux/700Lux/800Lux
5. Copy button :the current value is adaptive brightness

【Initialization】

When the sensor is powered on for the first time, the light will be turned on 100% brightness, and the 0-10V port will be turned on and off for 10s.

【Factory Setting】

Open value 5Lux, off value 30Lux