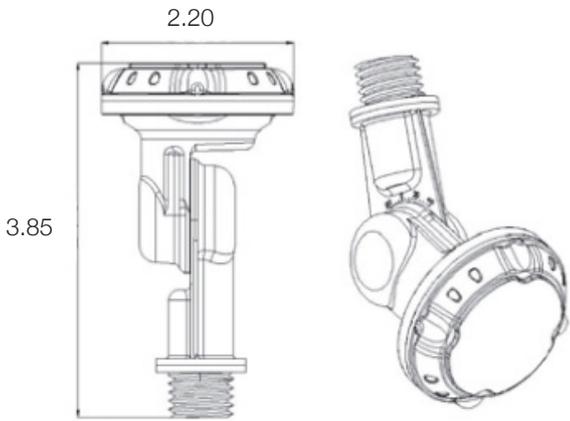# CSCLED

Motion Sensor HB01DMS-C
Installation Instructions

**Remote Control (MS04-RC) is REQUIRED and must be ordered separately.
Suitable for CWP04, AWP04, and WPX.**

On/Off Control	Motion Detection	Hold Time	Daylight Sensor	Stand-by Period	Stand-by Dimming	Remote Control	10-15M Highbay altitude

2.20

3.85

UNIT: INCHES

MOTION SENSOR
HB01DMS-C

TECHNICAL DATA

Universal Input Voltage	12±2V DC
Operating Current	30mA
Output	DIM 0-10V
Stand-by Power	< 0.5W
Brightness	70%, 80%, 90%, 100%
Sensitivity	25%, 50%, 75%, 100%
Hold Time	10s, 1 min, 10 mins, 30 mins
Daylight Threshold	10Lux, 30Lux, 50Lux, 100Lux
Stand-by Period	1 min, 30 mins, 60 mins, +∞
Stand-by Dimming Level	10%, 20%, 30%, 50%
Microwave Frequency	5.8GHz±75MHz
Microwave Power	<0.5mW
Detection Angle	30-150°
Control Line	Pink: +12V ; Purple: DIM +; Gray: GND/DIM-
Mounting Height	Max.15m(ceiling mounted)
Detection Range	ø15m(ceiling mounted) Max.20m(wall mounted)
Operating Temperature	-25°C to 60°C
IP Rating	IP65

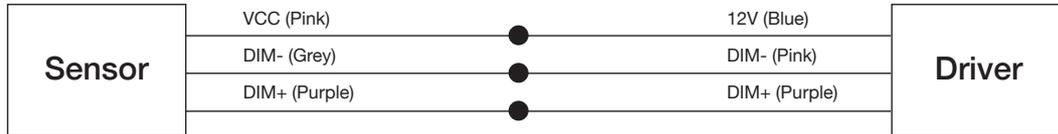## ACCESSORY REQUIRED (ORDERED SEPARATELY)

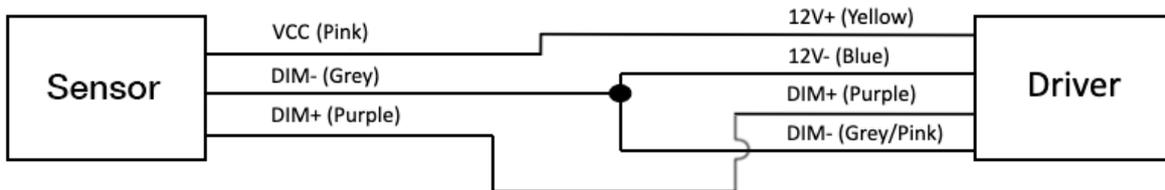**Remote Control for HB01DMS-C**
Order Code: MS04-RC
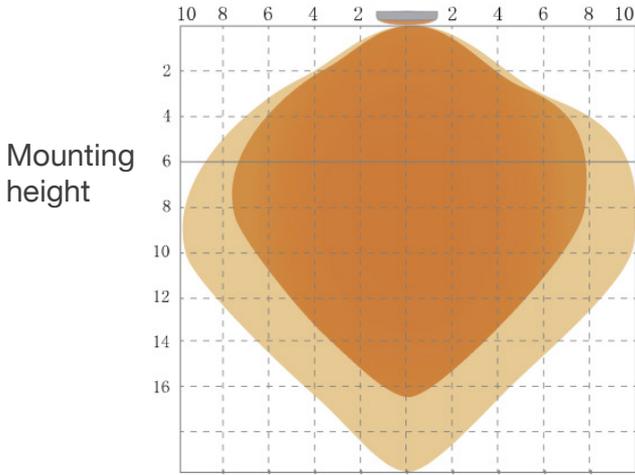
WIRING DIAGRAM (CWP05)
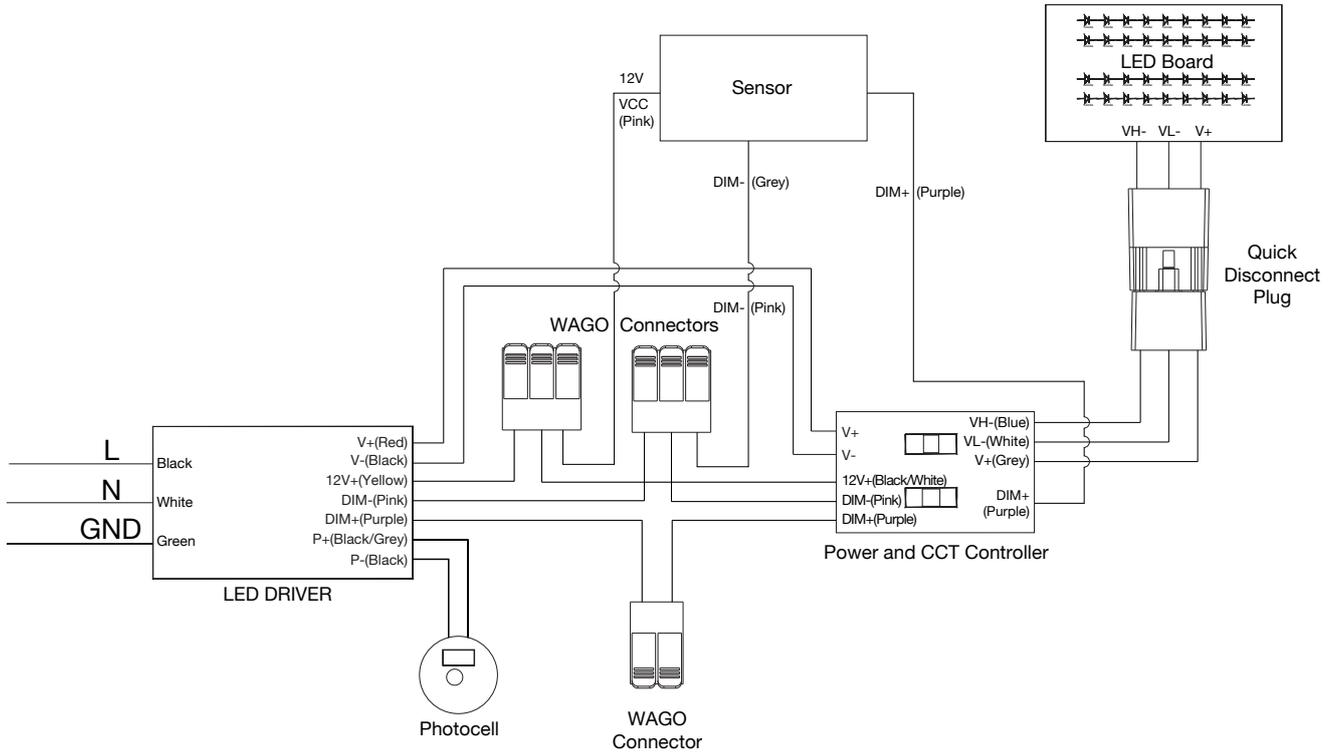
WIRING DIAGRAM (AWP05)

WIRING DIAGRAM (WPX)

DETECTION COVERAGE

Ceiling Mounted

Mounting height

Wall Mounted

Mounting height

Well covered
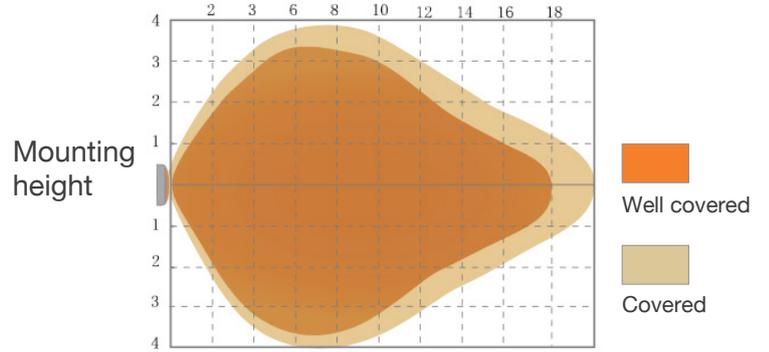
Covered

LUX ON/OFF

By using dual PD technology, the sensor can differentiate artificial light brightness from natural light once installed on the fixture, and will automatically turn off the light when ambient brightness exceeds preset lux level.

Preconditions to use the Lux-off function:
1. Stand-by period is +∞;
2. Stand-by dimming level is on 10%, 20%, 30%, or 50%;
3. Daylight threshold is on 10Lux, 30Lux, 50Lux or 100Lux.

Lux off

Lux on

light on automatically
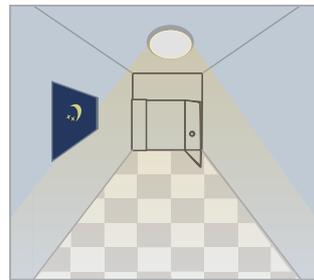
light off automatically
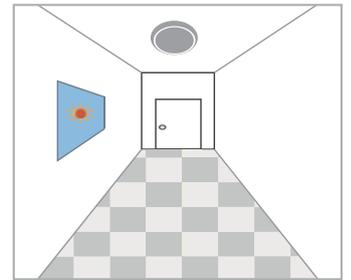
Natural light
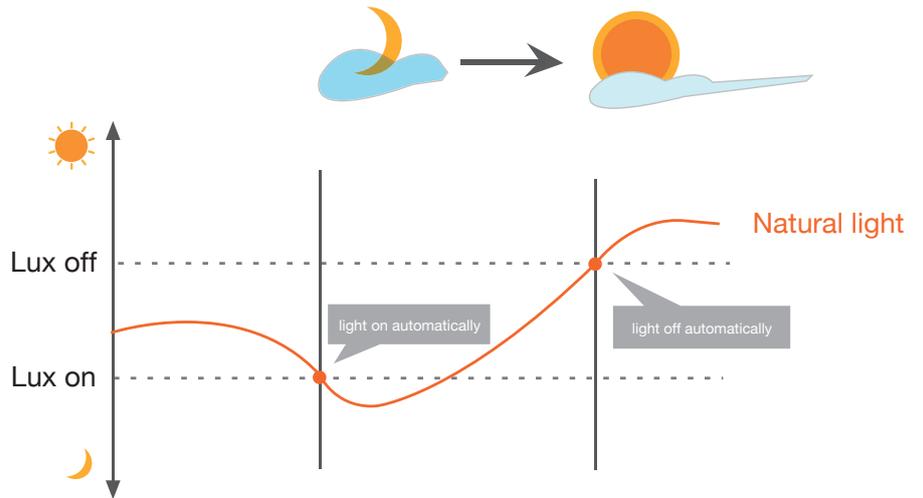
APPLICATION - Lux ON/OFF
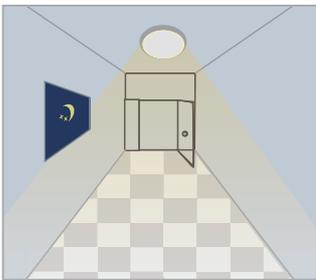
Light automatically on when the ambient brightness is lower than the preset lux level.

With insufficient ambient brightness, the light dims to 100% when motion detected.

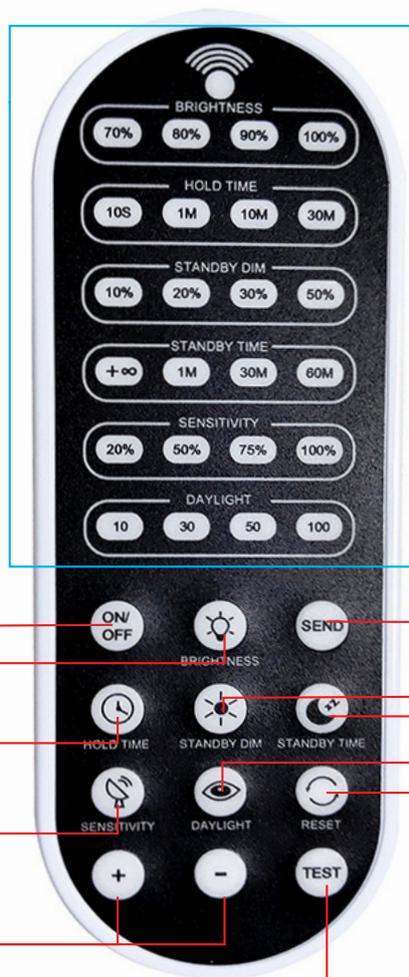The light dims to stand-by level if no motion detected after hold time.

Light off when ambient lux level is higher than the preset lux amount.

MS04-RC OPERATING MANUAL

Suitable for use with MS04-MW-TW-DC, HB01DMS-B, HB01DMS-C, and MS01-PIR-TW-DC

DISPLAY AREA

Press **SEND** to save settings after each change. The indicator light confirms the save setting.

Press **STANDBY DIM** to set standby dim level: 10%, 20%, 30% or 50%.

Press **STANDBY TIME** to set standby period: +∞, 1min, 30min or 60min. Note: "+∞" means the light will remain at the standby dim level until motion is detected. When a time is selected, the fixture will turn off after the set time.

Main **ON/OFF** button
Press and hold until the brightness indicator light is on (First-row). Press to turn on or turn off the fixture.

Press **BRIGHTNESS** to set brightness level: 70%, 80%, 90% or 100%.

Press **HOLD TIME** to set hold time period: 10s,1min,10min or 30min.

Press **SENSITIVITY** to set sensitivity level: 20%, 50%, 75% or 100%.

+ (MODE 1) **or** **-** (MODE 2)
To set the mode, save all other settings first, then press and hold either + or - to remember the saved settings. To program additional sensors, press + or -, and then press "SEND" to program that sensor.

Long press **DAYLIGHT** to activate the daylight control. Short press to set daylight threshold: 10Lux, 30Lux, 50Lux or 100Lux. By default, the daylight control disabled.

Press **RESET** to restore to default settings (Brightness 70%, hold time 10s, daylight threshold disabled, sensitivity 20%, stand-by dimming level 10%, and stand-by time +∞). Note: Products with DIP switches will be controlled by DIP switches.

The "**TEST**" button is for testing purposes. Pressing this button, the sensor goes to test mode (Hold time is only 3s if motion detected).

NOTES:

• Indicator lights will automatically turn off if not in use for more than 10 seconds

• When using the "On/Off" button: "On/Off", "Brightness", and "Send" buttons remain working. Other settings will be disabled.

• When using the "Test" button: "Test", "Sensitivity", and "Send" remain working. Other settings will be disabled.

• You must press the "Send" button to save your settings after each adjustment. The red indicator light means you have successfully saved your settings.