

## Motion Sensor

### DCMS Bi Level Motion Sensor



HB01DMS-A

HB01DMS-B



On/off control



Daylight sensor



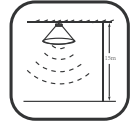
Remote control setting



Detection area



Stand-by period



10-15M Highbay altitude



Hold time



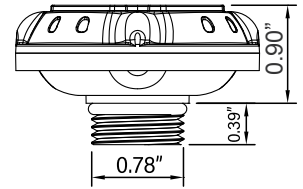
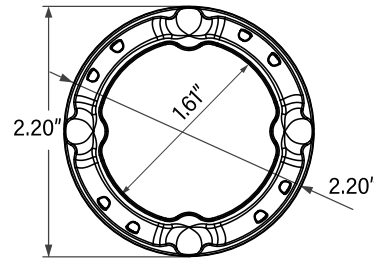
Stand-by dimming level



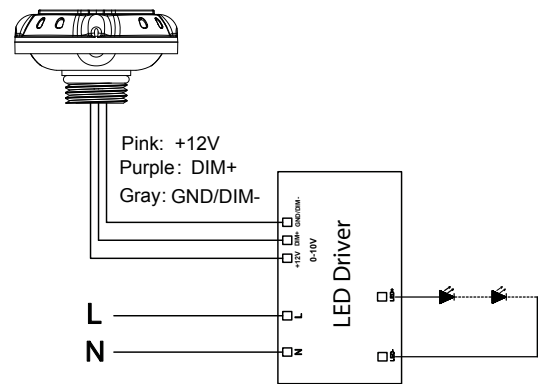
### Specifications

SKU	24875
Product code	DCMS DC Bi-Level Microwave Motion Sensor
Description	DCMSPIR
Operating voltage	12±2V DC
Operating current	30mA
Output	DIM 0-10V
Stand-by power	<0.5W
Brightness	Uniformly illuminated 6" height, 3/4" Stroke
Sensitivity	0%-100%/Quick setting:70%/80%/90%/100%
Hold time	10s/1min/10min/30min
Daylight threshold	10Lux/30Lux/50Lux/100Lux/Disable
Stand-by time	1min/30min/60min/+∞
Stand-by dimming level	10%/20%/30%/50%
Microwave frequency	5.8GHz±75MHz
Microwave power	<0.5mW
Detection angle	90 30-150°+
Control line	Pink:+12V; Purple: DIM+; Gray: GND/DIM-
Mounting height	Max.15m (ceiling mounted)
Detection range	Max.∅15m (ceiling mounted) Max.20m (wall mounted)
Operating temperature	-30°C~+60°C
IP rating	IP65

### Dimensions



Unit:in



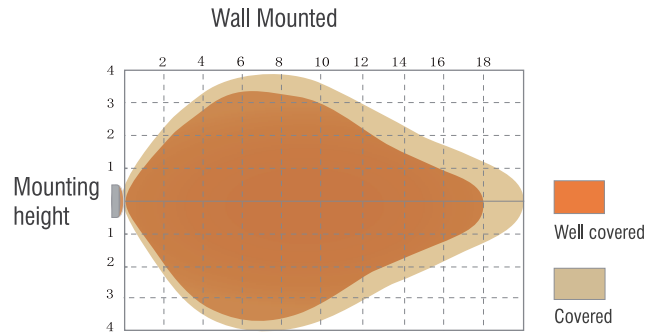
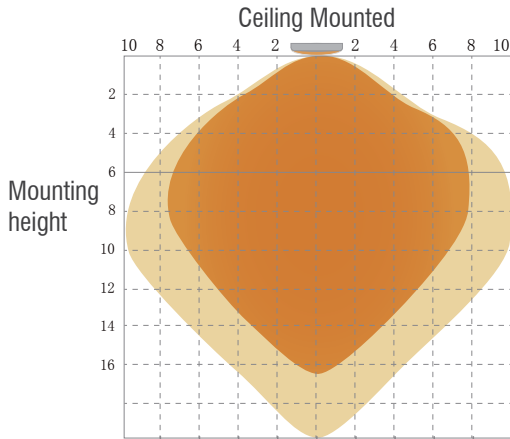
Wiring diagram

Compatible with all Halco high bay lighting, and outdoor lighting

Motion Sensor

## DCMS Bi Level Motion Sensor

### Detection Coverage

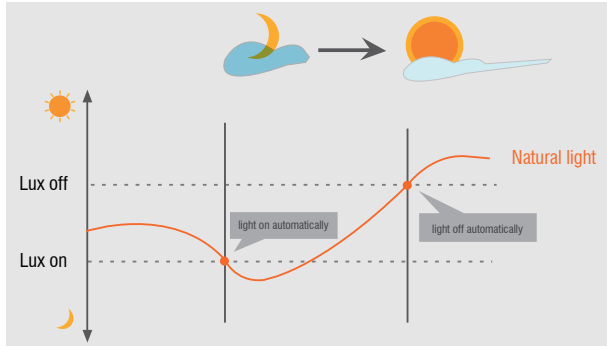


### Lux on/off

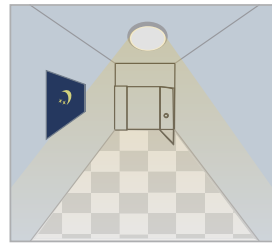
Adopted dual PD technology, HBO1DMS-A/B is able to differentiate artificial light brightness from natural light after installed inside the fixture, and automatically turn off light when ambient brightness exceeds preset lux level.

Preconditions to use the Lux-off function:

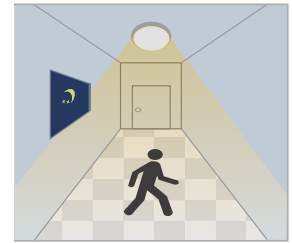
1. Stand-by period is  $+\infty$ ;
2. Stand-by dimming level is on 10%, 20%, 30% or 50%;
3. Daylight threshold is on 10Lux, 30Lux, 50Lux or 100Lux.



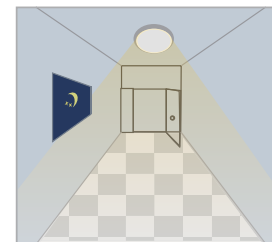
### Application – Lux on/off



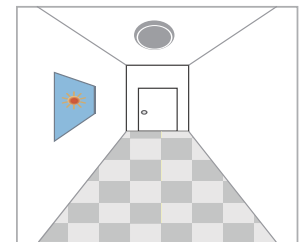
Light automatically on when ambient brightness is lower than preset lux level.



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



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



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

### Product Family Compatibility



SekTor Area Light



HID High Lumen LED Retrofit



Hoverbay Round Highbay



Round Highbay



Essential Round Highbay



HID Highbay Retrofit lamp