HB01DMS

Dual PD,15M highbay

HB01DMS-A

Pink: +12V
Purple: DIM+
Gray: GND/DIM-

L

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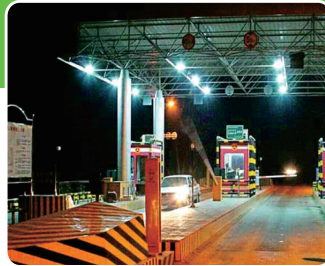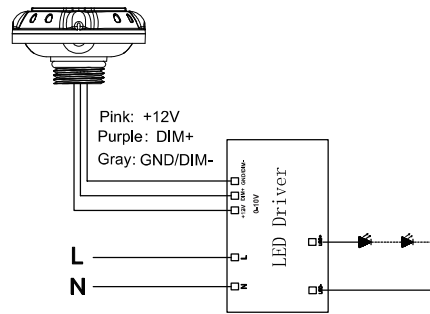
Wiring diagram

Unit:mm

RoHS
COMPLIANT
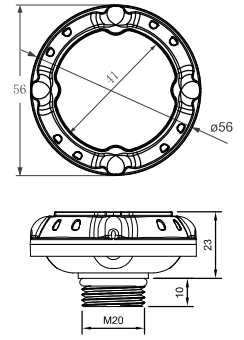
On/off control

Stand-by dimming level

Detection area

Remote control setting

Hold time

10-15M Highbay altitude

Daylight sensor
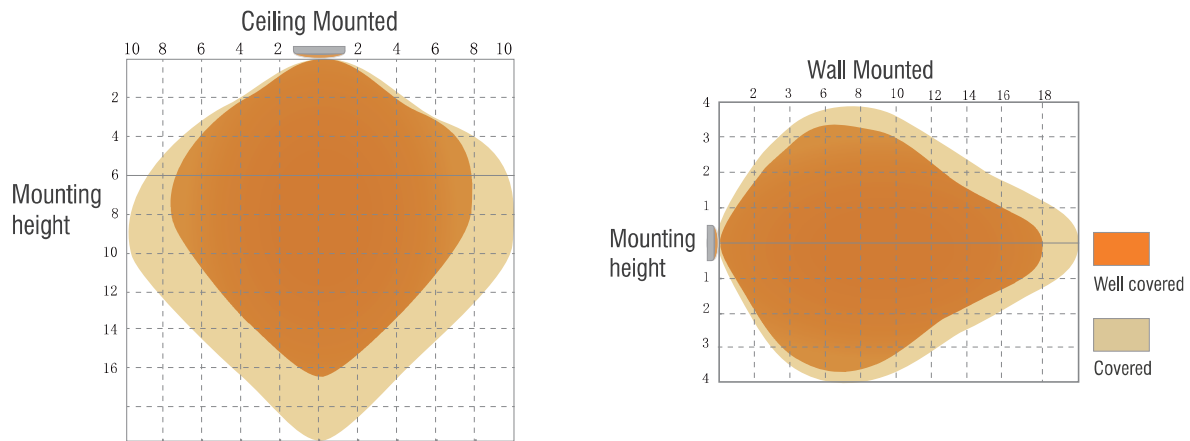
warranty 5 years

Stand-by period

Technical data

Operating voltage	12±2V DC
Operating current	30mA
Output	DIM 0-10V
Stand-by power	<0.5W
Brightness	0%-100%/Quick setting:70%/80%/90%/100%
Sensitivity	20%/50%/75%/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	150° (wall mounted) 360° (ceiling mounted)
Control line	Pink:+12V；Purple:DIM+；Gray:GND/DIM-
Mounting height	Max.15m(ceiling mounted)
Detection range	Max.ø15m(ceiling mounted) Max.20m(wall mounted)
Operating temperature	-30°C~+60°C
IP rating	IP65

Note:
Default setting: Brightness:100%, Hold time:1min, Stand-by dimming level:20%, Stand-by time:1min, Sensitivity:100%, Daylight:Disable.

02   Detection coverage

Ceiling Mounted

10 8 6 4 2   2 4 6 8 10

2
4
6
8
10
12
14
16

Mounting height

Wall Mounted

2   3   6   8   10   12   14   16   18

4
3
2
1
1
2
3
4

Mounting height

Well covered

Covered

03   Lux on/off

Adopted dual PD technology, HB01DMS-A 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.
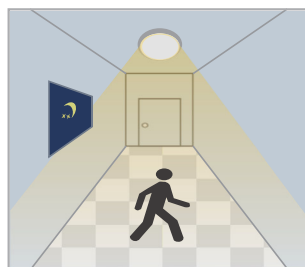
Preconditions to use the Lux-off function:
1. Stand-by period is $+\infty$;
2. Stand-by dimming level is on 10%, 20%, 30% or 50%;
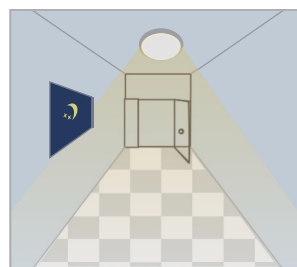3. Daylight threshold is on 10Lux, 30Lux, 50Lux or 100Lux.

Natural light

Lux off

light on automatically

light off automatically
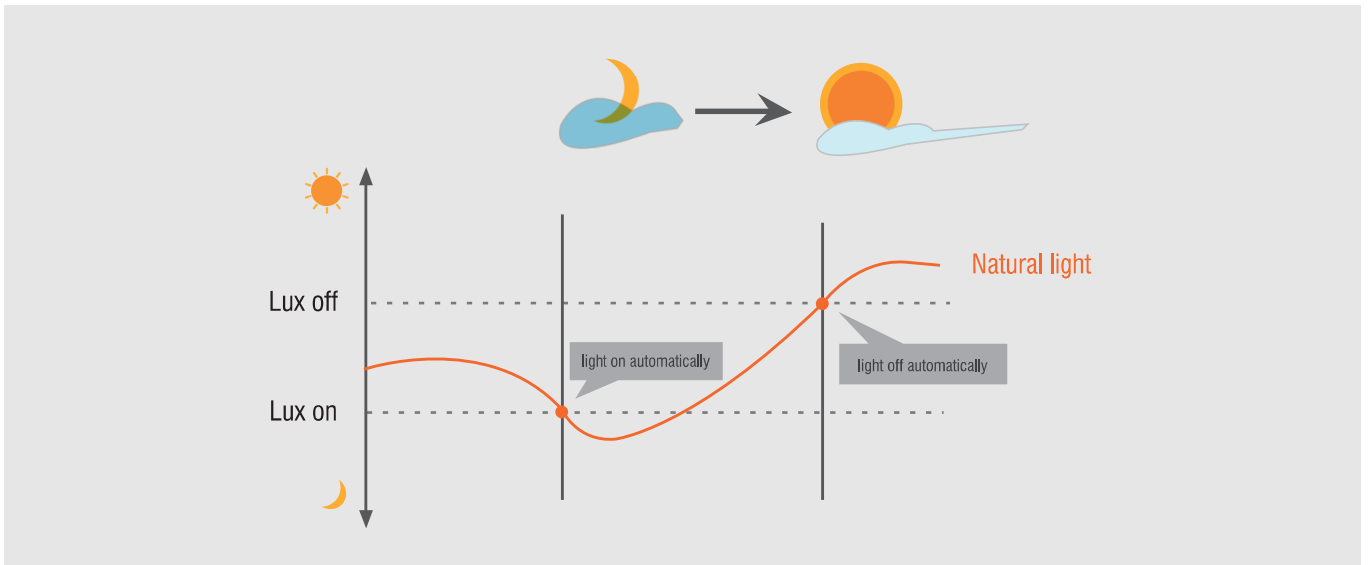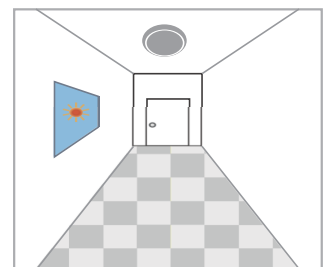
Lux on

04   Application——Lux on/off
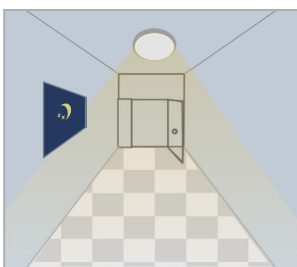
Light automatically on when ambient brightness is lower than preset lux level.

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.