



DEEP ROOF LIGHTING INC.
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UFO LED High Bay



ETL DLC



Aluminum Reflector 90°



Aluminum Reflector 120°



Pleastic Clear Stripped Reflector Bottom cover optional



power	LED Qty	Driver	put Volta	IP	Lm/w	Warranty	beam angl	CRI	PF	Certificate
100W	Samsung SMD2835 chip	UL proved LED driver	AC100-277V	IP65	130lm/w	5 years	120°	>80Ra	≥0.9	CE /ROHS ETL DLC
150W	Samsung SMD2835 chip									
200W	Samsung SMD2835 chip									

Occpancy sensor

Sensor housing case

U Bracket



Item Codes

G-Series

LHBO-G100(L)-(D/A)50-(W)

100 watts, 5000K, D:dimnable/A:non-dimm, option white color

LHBO-G100(L)-(D/A)40-(W)

100 watts, 4000K, D:dimnable/A:non-dimm, option white color

LHBO-G150-(D/A)50-(W)

150 watts, 5000K, D:dimnable/A:non-dimm, option white color

LHBO-G150-(D/A)40-(W)

150 watts, 4000K, D:dimnable/A:non-dimm, option white color

LHBO-G200-(D/A)50-(W)

200 watts, 5000K, D:dimnable/A:non-dimm, option white color

LHBO-G200-(D/A)40-(W)

200 watts, 4000K, D:dimnable/A:non-dimm, option white color

LHBO-G-ALR(9/12)-(100/150/200)

Aluminum Reflector 90° or 120° for 100, 150, 200 W

LHBO-G-PCR-(100/150/200)

Plastic Reflector for 100, 150, 200 W

LHBO-G-PCR-(100/150/200)-BC

Plastic Reflector bottom cover for 100, 150, 200 W

LHBO-G-U-BRK

U Bracket

LHBO-G-OS-DS (L-OS-PS-401S)

Microwave occupancy sensor, Daylight sensor optional, Non-dimm

LHBO-G-OS-DS-2D (L-OS-PS-401V)

Microwave occupancy sensor, daylight optional, 2 steps dimming down

L-OS-PS-BX

Sensors housing case, 3 waterproof connector, Holder

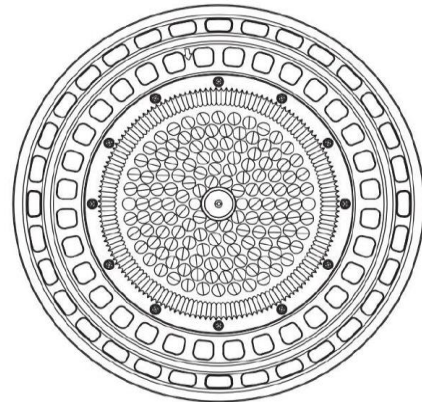
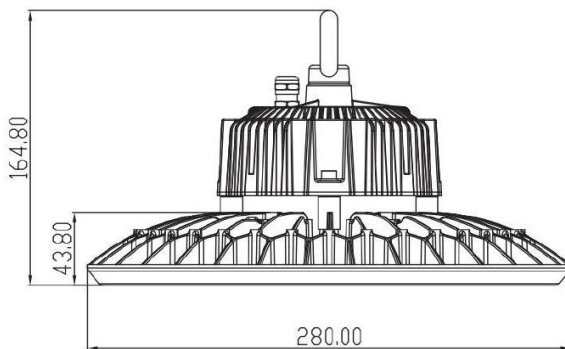
LHBO-G-EM-10

Emergency battery Back-up, Emergency output 10 watts

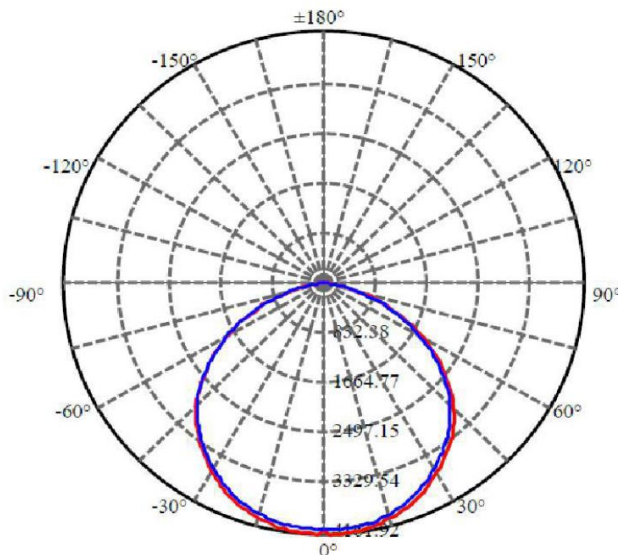
LHBO-G-EM-20

Emergency battery Back-up, Emergency output 20 watts

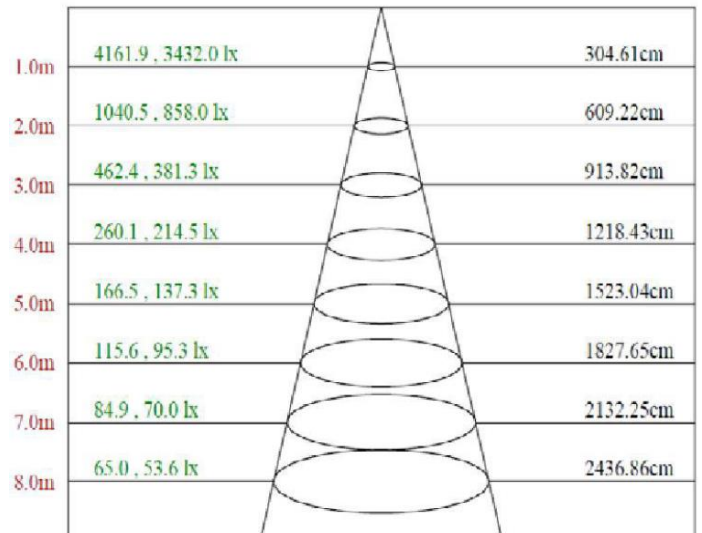
LHBO-G100



Luminance Intensity Distribution

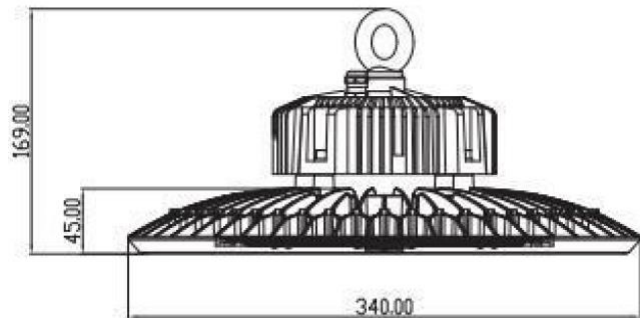


Cone Lux Diagram

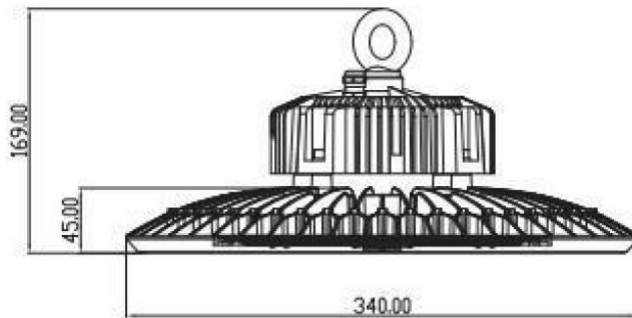


Max , Ave Beam angle of C0plane113.41

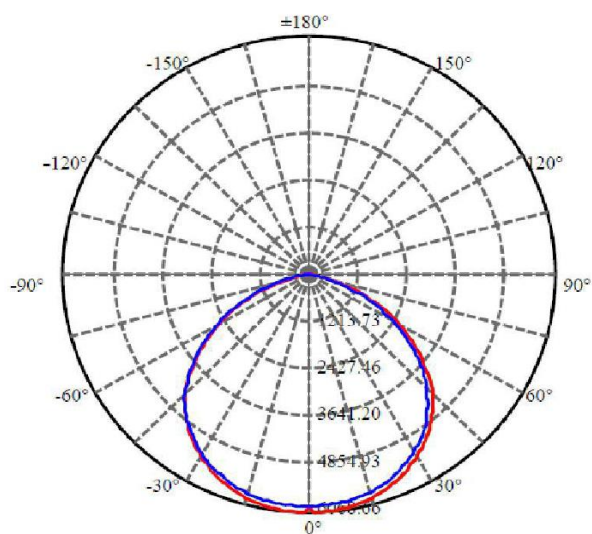
LHBO-G100L



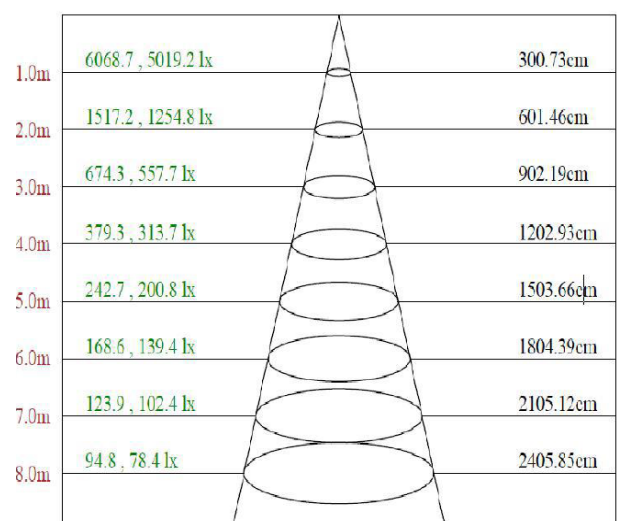
LHBO-G150



Luminance Intensity Distribution

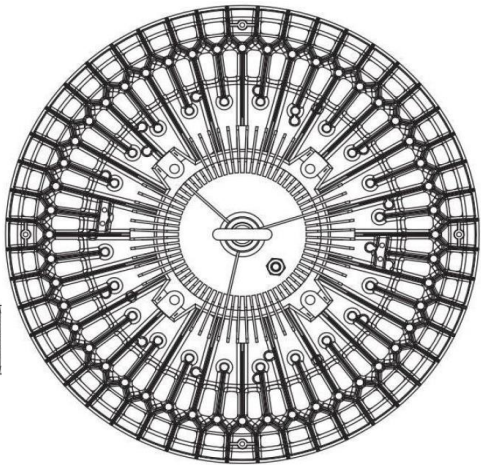
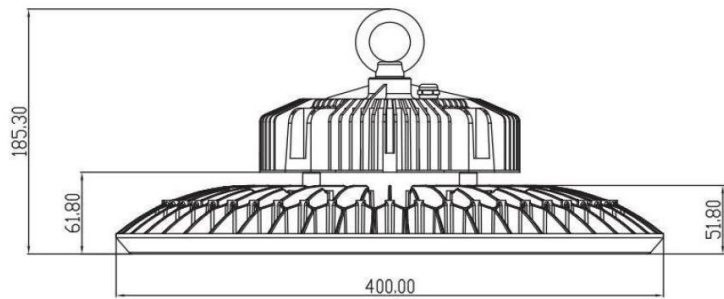


Cone Lux Diagram

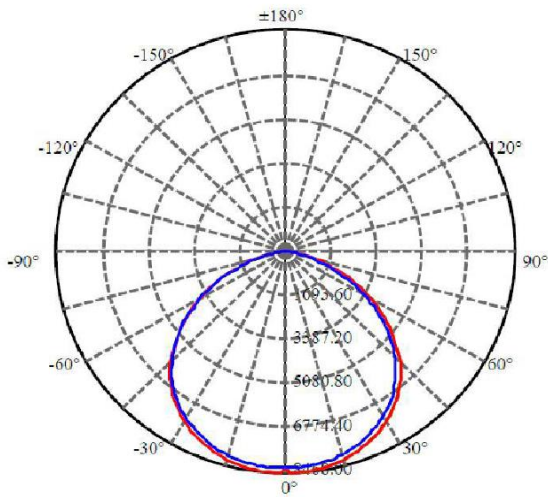


Max , Ave Beam: angle of C0plane112.75

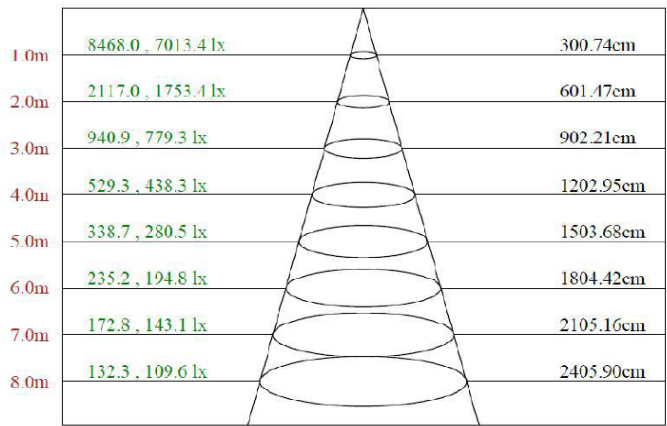
LHBO-G200



Luminance Intensity Distribution



Cone Lux Diagram



Max , Ave Beam angle of C0plane112.75

Microwave Occupancy Sensor with Daylight optional

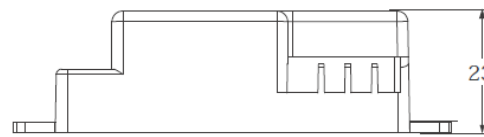
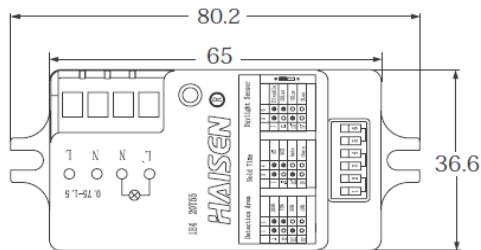
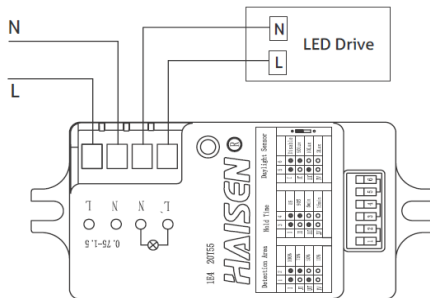
NON-Dimming:

LHBO-G-OS-DS

L-OS-PS-401S



Easy Wiring



Unit:mm



On/off control



Daylight sensor



Detection area



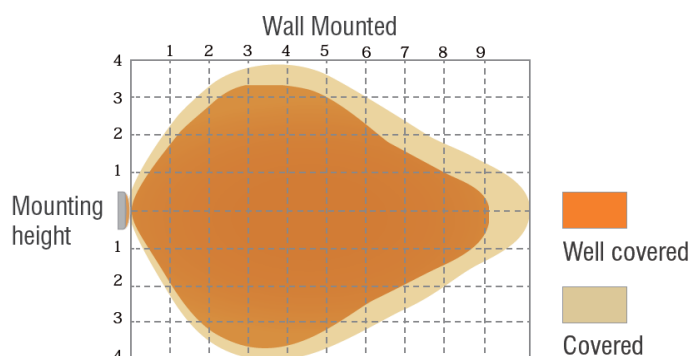
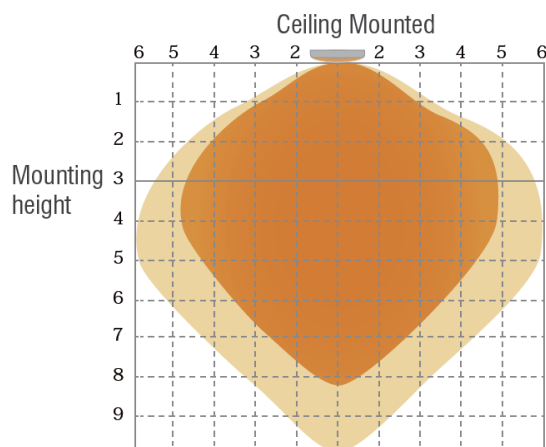
warranty
5
years



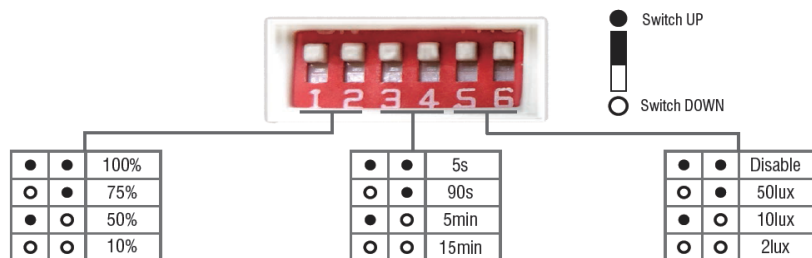
01 Technical data

Operating voltage	120~277 VAC 50/60Hz
Switching capacity	Max.3.0A@120Vac,Max.2.0A@277Vac
Stand-by power	<1W
Detection area	10%/50%/75%/100%
Hold time	5s/90s/5min/15min
Daylight threshold	2Lux/10Lux/50Lux/Disable
Microwave frequency	5.8GHz±75MHz
Microwave power	<0.3mW
Interfaces	4-pole pluggable clamp terminal(L,N,N,L')for 1.5mm ² cable
Mounting height	Max.6m(ceiling mounted),Max.3m(wall mounted)
Detection range	Max.ø14m(ceiling mounted),Max.10m(wall mounted)
Detection angle	30°-150°
Operating temperature	-20°C~+60°C
IP rating	IP20

02 Detection coverage



03 Settings



Detection area

Detection area means detection coverage. It can be adjusted by combining DIP switches for specific application.

Hold-time

Hold-time means the time period the light will be ON after the last detection.

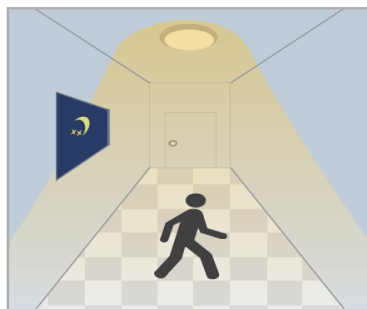
Daylight threshold

Daylight sensor prior to motion sensor. Set threshold for specific needs. If Disable, only motion sensor works.

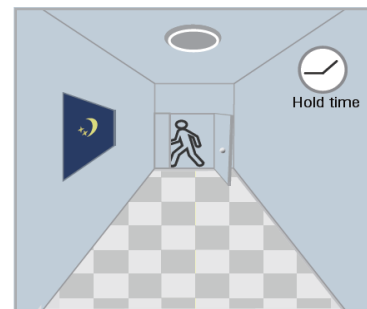
04 Application



With sufficient daylight, even when motion detected, light remains OFF.



With insufficient daylight, when motion detected, light ON.



After the last detection and the present hold time elapsed, light OFF.

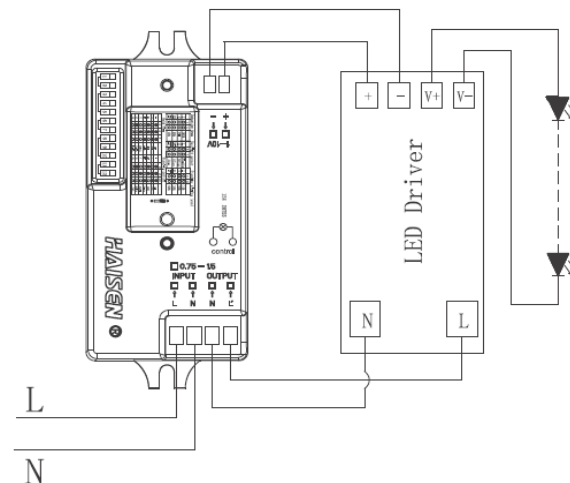
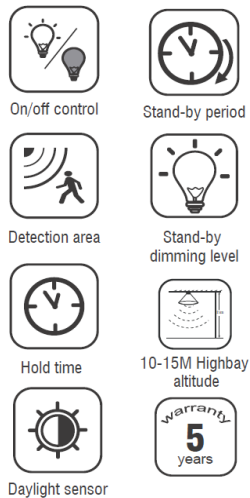
Dimmable:

LHBO-G-OS-DS-2D

L-OS-PS-401V



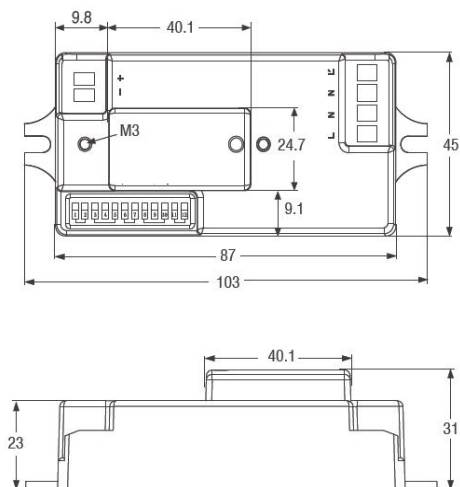
0-10 VDC dimming interface



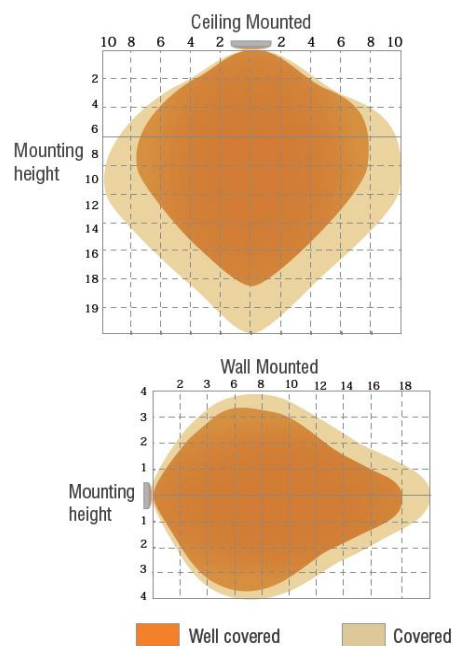
01 Technical data

Operating voltage	120~277 VAC 50/60Hz
Switching capacity	Max.3.0A@120Vac,Max.2.0A@277Vac
Stand-by power	<1W
Detection area	10%/50%/75%/100%
Hold time	5s/30s/1min/5min/10min/20min/30min
Stand-by period	0s/10s/1min/10min/30min/1h/∞
Stand-by dimming level	10%/20%/30%/50%
Daylight threshold	2Lux/10Lux/50Lux Disable
Microwave frequency	5.8GHz±75MHz
Microwave power	<0.3mW
Interfaces	6-pole pluggable clamp terminal (L,N,N,L',1-10v+,1-10v-)for 1.5mm ² cable
Mounting height	Max.15m(ceiling mounted) Max.3m(wall mounted)
Detection range	Max.ø14m(ceiling mounted) Max.20m(wall mounted)
Operating temperature	-20°C~ +60°C
Detection angle	30°-150°
IP rating	IP20
Size	103X45X31mm

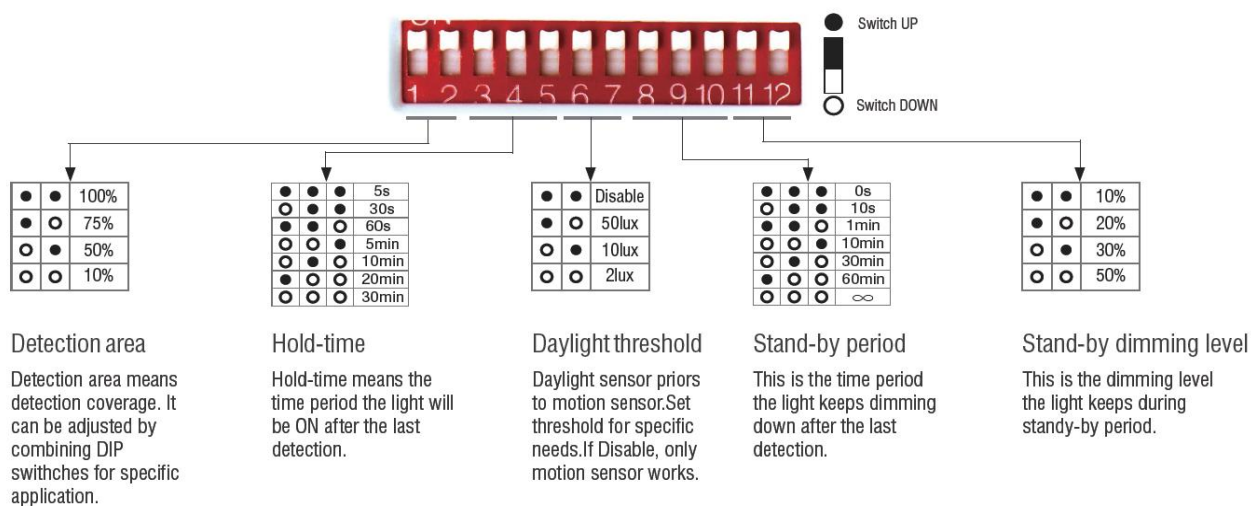
02 Mechanical structure(mm)



03 Detection coverage

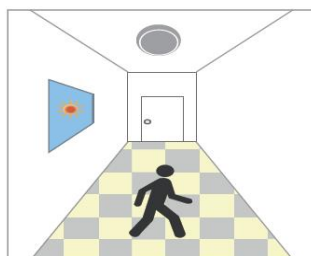


04 Settings



05 Application

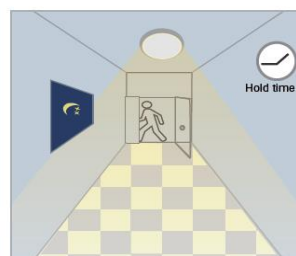
Function Demo - Dimmable control/Corridor function



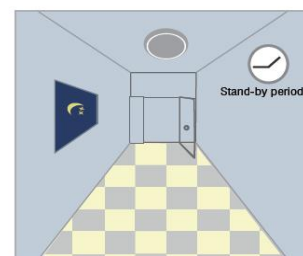
With sufficient daylight, even when motion detected, light remains OFF.



With insufficient daylight, when motion detected, light ON.



After last detection, the light will be dimmed down to the stand-by dimming level (10%, 20%, 30% or 50%) after holdtime.



After the stand-by period, light OFF.