



1-10V



SENSOR HIGH BAY (DAY LIGHT HARVESTING)

Warehouse / Industrial application High bay with Inbuilt Sensor.

- Occupancy based ON-OFF
- Daylight Harvesting by Auto Dimming
- Orientation Lighting

Protected
SENSOR



ON/OFF
Control



Stand by
Dimming level



Adjustable
Detection area



Setting trough
Remote control



Hold time



Up to 12 meter
Mounting height



Daylight
harvesting



Stand by
period

**Electrical
Specification**

Rated Voltage (V)	220-240Vac 50Hz
Performance Input Voltage Range (V)	140-300Vac
Power Factor	> 0.95
Driver Efficiency (%)	> 90
A-THD	< 10%
System Power Consumption (W) ±10%	70/75/100/120/150/180/200W
Electrical Insulation Class	Suitable for Class I

LED driver

No of drivers per fixture	1 no.
Driver Housing	Aluminum Extrusion
IP rating	IP66
Dimming	1-10V
CISPR	Complied
Inbuilt surge protection (Common/Differential Mode)	6/6KV

Protections

Output Open / short Circuit Protection	Provided
Input High Voltage Cut-off & Recovery	320V ±15V / 300V ±15V
Input 440V Withstanding	> 24 Hours
Input Low Voltage Cut-off / Recovery	100V ± 15V / 110V ± 15V
Input Low Voltage Current Fold back	<130V
Over Temperature Cut-off	> 85°C (Driver tc)
Additional Surge Protection (Common/Differential Mode)	10KV (20KV Option available)

**Optical
Specification**

Typ. Fixture Efficacy (LM/W)	110LM/W
Color Temperature (K)	CDL / NDL / WDL
CRI	70
Optics material	Polycarbonate secondary optics
Beam Angle options	60 deg. (60 nos on flat single Lense)

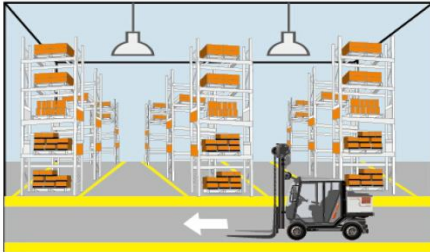
Motion Sensor

Sensor Type	High frequency sensor
Dimming type	1-10Vdc
Operating Frequency	5.8 GHz ±75 MHz, ISM Band.
Adjustable Hold time	5S / 30S / 1min / 3min / 5min / 10min / 20min / 30min

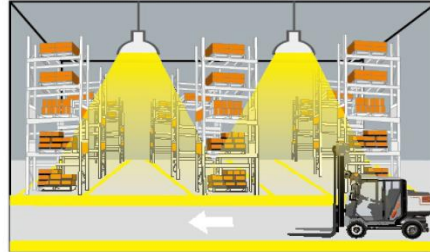
Motion Sensor	Adjustable detection area	100% / 75% / 50% / 25%
	Stand by period	0S / 10S / 1min / 3min / 5min / 10min / 30min / +∞
	Day light Harvesting	1-10V Auto Dimming
	Orientation Lighting	10%/20%/20%/50% Auto Dimming options
	Stand-by power	< 0.3W
	Max Mounting height	15 meter
Other Specification	Detection area	16-meter dia.
	Operating Ambient Temperature (°C)	0°C to + 50°C
	Housing	Thermally efficient Die Cast Aluminum
	Surface finish	Powder coating
	Mounting Arrangement	Cradle mount
	IP rating	IP65

Function :

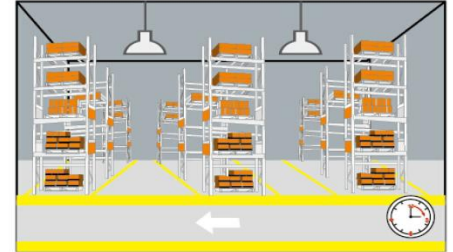
1) On/OFF Function (stand-by period be set to “0”s)



1 With sufficient ambient light, the light will not be switched on even if with motion signal.

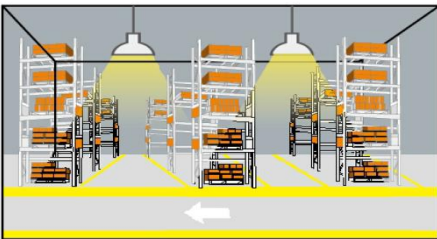


2 With insufficient ambient light, the sensor switches on the light when motion is detected.

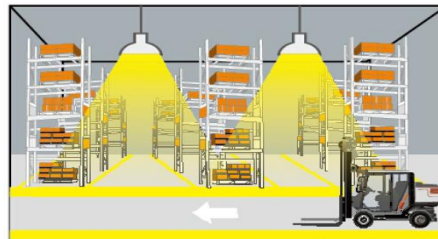


3 After laps of hold time, the sensor switches off the light when no motion is detected.

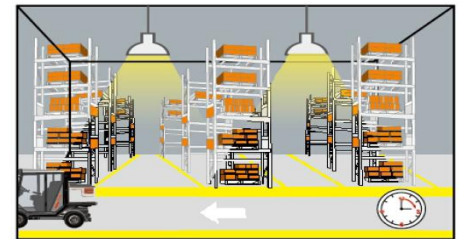
2) step dimming function (stand-by period be set to “+∞”)



1 If there is no motion detected, the light will be remained at a low light level all the time.

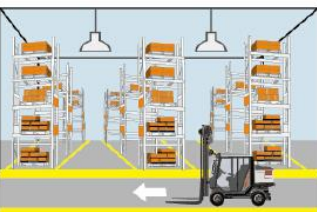


2 When motion is detected, the sensor will switch turn the light to 100% brightness.

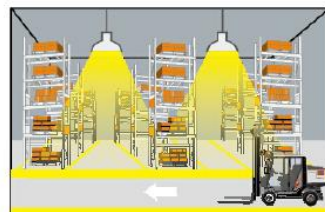


3 After elapse of hold time, the sensor dims the light at the present low light level if no motion is detected.

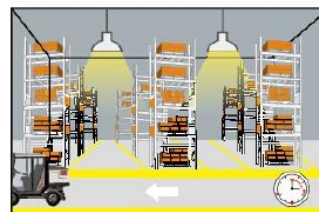
3) 3-step dimming function (stand-by period “10S/1min/3min/5min/10min/30min”)



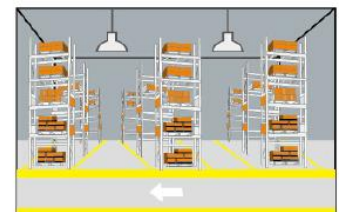
1 With insufficient ambient light, the light will not be switched on even if motion is detected.



2 With insufficient ambient light, the sensor switches on the light when motion is detected.



3 After elapse of hold time, the sensor dims the light at low light level if no motion is detected.



4 After elapse of standby period, the sensor switches off the light if no motion is detected.

Model No.

