



0-10V



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%	70/75/80/100/120/150/180/200W
Electrical Insulation Class	Suitable for Class I

LED driver

No of drivers per fixture	1 no.
Driver Housing	Aluminum Extrusion
IP rating	IP67
Dimming	0-10V
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)

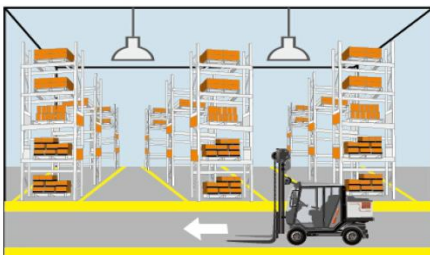
**Protections for
Sensors**

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
Surge Protection (Common/Differential Mode)	10KV (20KV Option available)

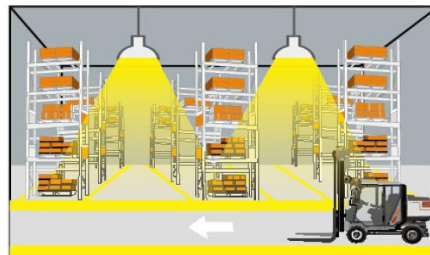
Optical Specification	Typ. Fixture Efficacy (LM/W)	110LM/W (130 LM/W option available)
	Color Temperature (K)	CDL / ND / WDL
	CRI	70
	Optics material	Polycarbonate secondary optics
	Beam Angle options	60 deg.
Motion Sensor	Input supply voltage	12V DC (from Driver Auxiliary power supply for high protections)
	Sensor Type	High frequency DC dimmable sensor
	Dimming type	0-10Vdc
	Operating Frequency	5.8 GHz ±75 MHz, ISM Band.
	Adjustable Hold time	5S / 30S / 1min / 3min / 5min / 10min / 20min / 30min
	Adjustable detection area	100% / 75% / 50% / 25%
	Stand by period	0S / 10S / 1min / 3min / 5min / 10min / 30min / +∞
	Day light Harvesting	0-10V Auto Dimming
	Orientation Lighting	10%/20%/20%/50% Auto Dimming options
	Stand-by power	< 0.3W
Other Specification	Max Mounting height	15 meter
	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 :

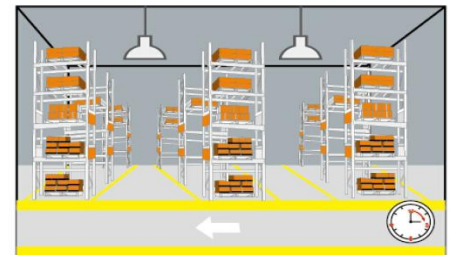
1) On/OFF Function (stand-by period be set to “0”s)



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



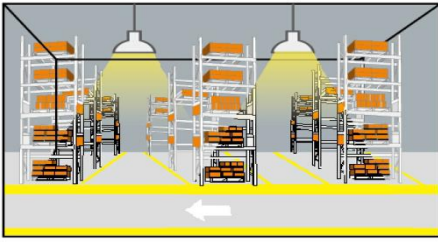
2 With insufficient ambient light, the sensor switches on the light when motion is detected.



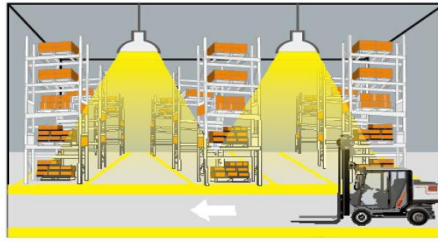
3 After laps of hold time, the sensor switches off the light when no motion is detected.

Function :

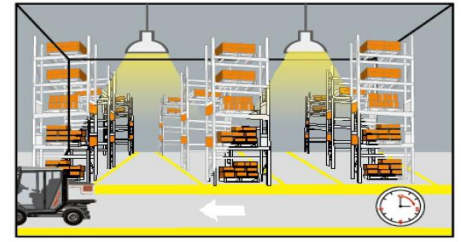
2) step dimming function (stand-by period be set to “+∞”)



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

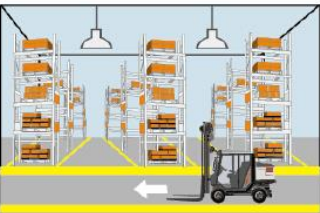


2 When motion is detected, the sensor will switch turn the light to 100% brightness.

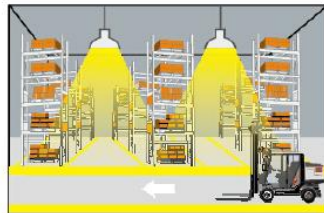


3 After elapse of hold time, the sensor dims the light at the present low light level if no motion is detected.

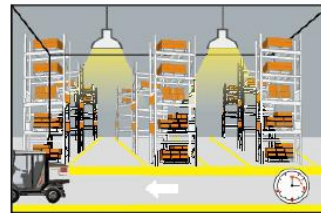
3) 3-step dimming function (stand-by period “10S/1min/3min/5min/10min/30min”)



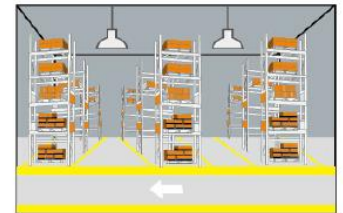
1 With insufficient ambient light, the light will not be switched on even if motion is detected.



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.

