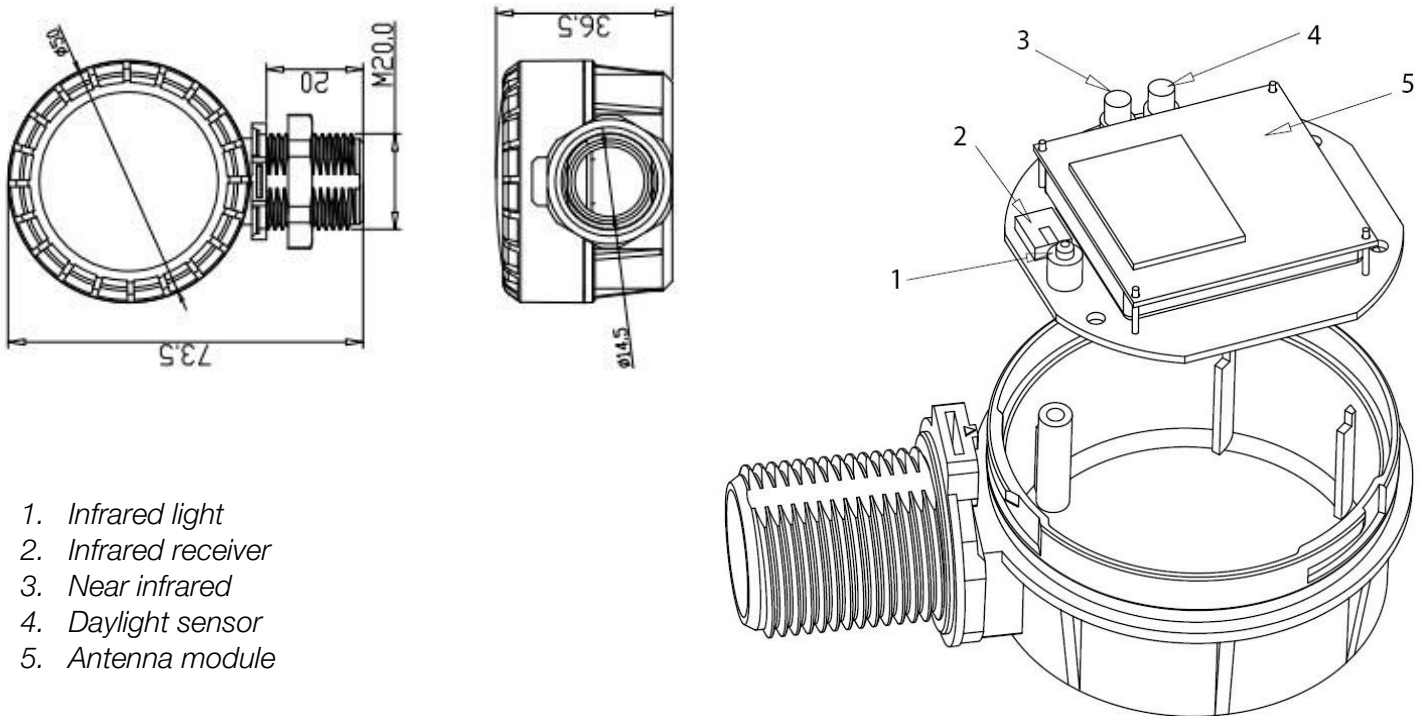


# HIGH BAY SENSOR FOR WAREHOUSE

## MC628V RC



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1. Infrared light
2. Infrared receiver
3. Near infrared
4. Daylight sensor
5. Antenna module

### SPECIFICATION

#### Input

Operating Voltage Range:	108-305VAC 60Hz
Rated Voltage:	120-277VAC 60Hz
Stand-by Power:	<1W
Surge Test:	L N: 1kV

#### Output

Working Mode:	0-10V Dimming
Type of Load:	LED (0-10V LED driver)

#### Dim Interface

0-10V Dimming:	< 50mA (Non-constant source) 10%, 20%, 30%, 50%
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### Sensor Parameters

Operating Frequency:	5.8 GHz $\pm$ 75 MHz ISM band
Transmitting power:	0.5 mW max
Hold time:	5s/30s/1min/3min/5min/ 10min/20min/30min
Dimming level 1-10:	10%, 20%, 30%, 50%
Stand-by dim Level:	10% (1.4-1.6V), 20% (1.9-2.1V), 30% (2.9-3.1V), 50% (4.9-5.1V)
Stand-by Period:	0s/10s/1min/3min/5min/ 10min/30min/+ $\infty$
Detection Area:	25%/50%/75%/100%
Daylight Sensor:	Daylight threshold: 5 lux / 15 lux / 30 lux / 50 lux / 100 lux / 150 lux / Disable (no shadow or ambient light diffuse reflection) Daylight priority (5 Lux / 15 Lux / 30 Lux / 50 Lux) / 150 Lux 100 Lux / 200 Lux 150 Lux / 300 Lux
Mounting Height:	12m Max
Detection Angle:	150° (wall mount), 360° (ceiling mount)

### Operating Environment

Operating Temperature:	-35°C ... +55°C
Storage Temperature:	-40°C ... +80°C
humidity:	10% - 95% (non-condensing)

### Others

Wiring color:	L(Brown), N(Blue) 0-10 M+ (White) 0-10 V- (Black)
IP Rating:	IP65
Protection Class:	Class II
Net Weight:	85g
Lifetime:	50 000 hours

### Factory setting

Detection area:	100%
Hold time:	5s
Stand-by Period:	0s
Stand-by dim level:	10%
Daylight Sensor:	Disable

### CERTIFICATE STANDARDS

Safety standards:

### CE

IEC60669-2-1, IEC60669-1  
AS/NZS 60669.1, AS/NZS 60669.2.1  
UL60730-1

EMC standards:

EN55015, EN61000-3-2, EN61000-3-3, EN61547  
AS/NZS CISPR 15, AS/NZS 4268 FCC Part 15C, Part  
15B  
EN 60950-1, EN301489-1, EN 201489-3, EN300440

Environment Request:

Compliant to RoHS

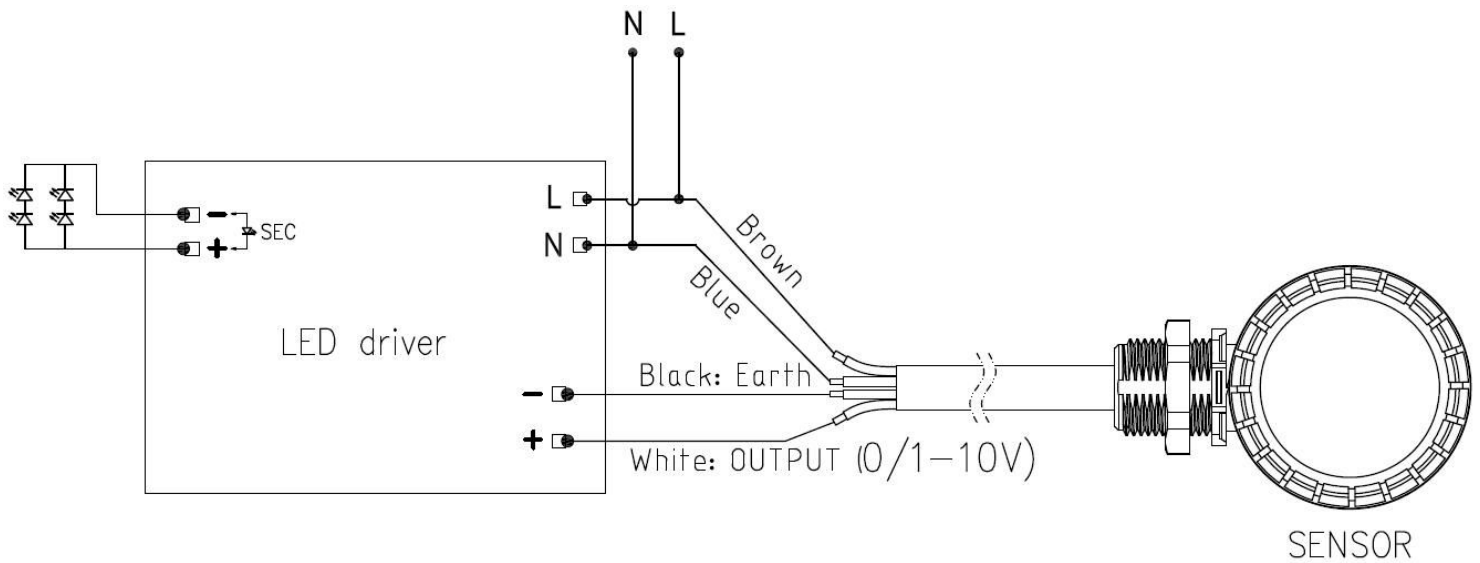
# HIGH BAY SENSOR FOR WAREHOUSE

## MC628V RC



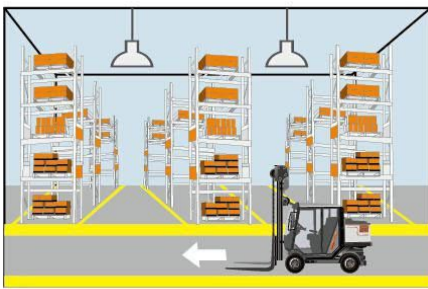
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### WIRING

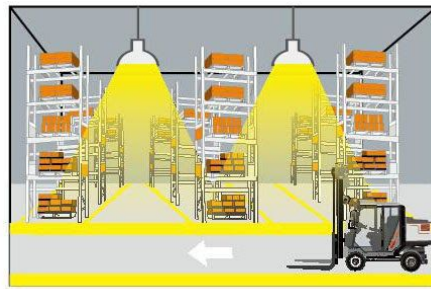


### FUNCTIONS

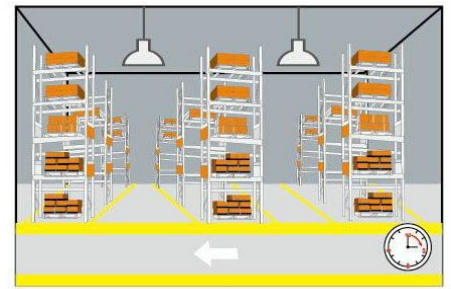
**On / Off function** (stand by period set to 0 sec)



1. With sufficient ambient light, the light does not switch on, even if motion is detected.

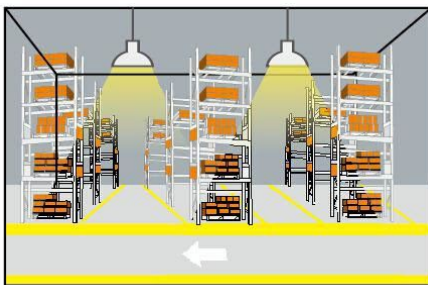


2. With insufficient ambient light, the light switches on when motion is detected.

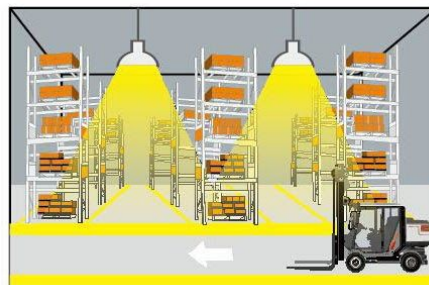


3. After the holding time, the light switches off when no motion is detected.

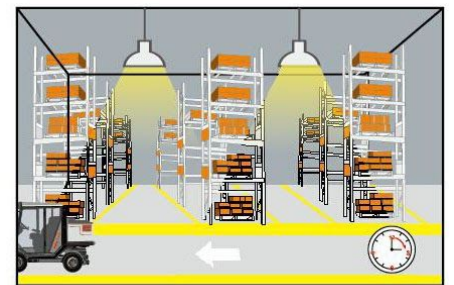
**2 step function** (stand by period set to “+∞”)



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



2. When a motion is detected, the light will switch on to 100% brightness.



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

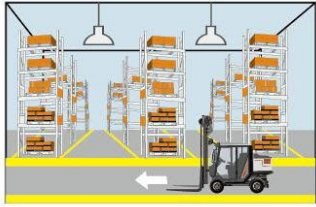
# HIGH BAY SENSOR FOR WAREHOUSE

## MC628V RC

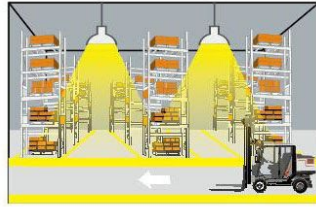


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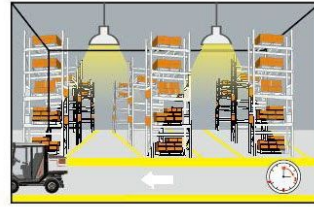
### 3-step dimming function (stand-by period be set to "10s/1min/3min/5min/10min/30min")



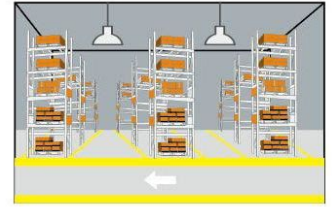
1. With sufficient ambient light, the light does not switch on even if there is a motion signal detected.



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

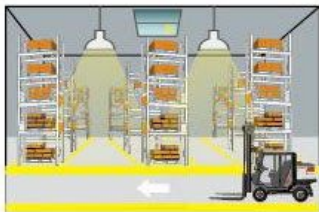


3. After elapse of hold time, the light dims to low light level if no motion is detected.

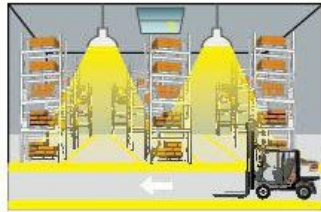


4. After the stand-by period, the light switches off when no motion is detected.

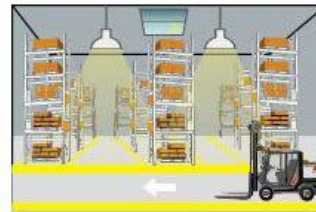
### Daylight priority (stand-by period set to $+\infty$ )



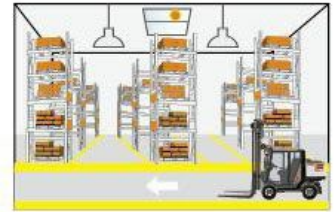
1. Lights turns on at low light level (10%) at the night time.



2. When motion is detected light will switches on up to 100% brightness.



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



4. Sensor switches light off after dawn.

#### APPLICATIONS

- warehouse
- depot
- distribution center
- storehouse
- depository storage
- entrepôt
- stockroom
- granary

#### FEATURES

- Operating voltage 120~277V AC
- Mounting height is 12m
- Supports high-sensitivity and low-sensitivity modes (for metal ceilings, metal reflector mounting environments)
- Work with 0-10V dimmable LED driver, easy to achieve 2-step or 3-step dimming function
- M20 side mount, fit for linear high bay and tri-proof light
- Dim+ / Dim- function, daylight priority function

The information is for your reference only, we reserve the right to make alterations in the interest of improving our products.