



# LENS OPTIONS : SEN SERIES 3 OCCUPANCY SENSORS

## OVERVIEW

All SEN Series 3 occupancy sensors feature interchangeable lens options. Each lens provides different sensing coverage which varies with the actual mounting height.

The specified detection coverage and mounting height of each lens are based on test results measuring human motion across detection zones. The actual coverage may be reduced if the motion is towards or away from the sensor. High ambient temperatures (above 28°C/82°F) could reduce the coverage of PIR sensors. If ambient temperature at the covered area is expected to be high, consider adding more sensors or reduce the mounting height, if possible.

Following are all available lens options and their respective detection patterns. For details of latest lens options available, please visit [eiko.com](http://eiko.com).



SEN-3-Lens-HBS    SEN-3-Lens-EW4X    SEN-3-Lens-Aisle    SEN-3-Lens-HBH

Lens	Shape	Recommended Mounting Height	Coverage
SEN-3-Lens-HBS	High bay	Cone	4.5~9.0m    15~30 ft.    3X height
SEN-3-Lens-EW4X	Extra wide	Dome	2.4~6.0m    8~20 ft.    4X height
SEN-3-Lens-Aisle	Aisle way	Arch	2.4~12.0m    8~40 ft.    3X height
SEN-3-Lens-HBH	High bay	Dome	9.0~15.0m    30~50 ft.    1X height

NOTE: SEN-3-Lens-Aisle can be rotated to change its direction of coverage. Its 3X height coverage refers only to the total length; the width of coverage will vary with the mounting height (see SEN-3-Lens-Aisle table). This lens is not IP-66 rated.

**SEN-3-Lens-HBS High Bay**

**Top View**

**Side View**

Mounting Height	m (ft.)	4.5 (15)	6.0 (20)	8.0 (26)	9.0 (30)
Max. Coverage Diameter	m (ft.)	13.5 (45)	18.0 (60)	24.0 (78)	27.0 (90)

**SEN-3-Lens-EW4X Extra Wide**

**Top View**

**Side View**

Mounting Height	m (ft.)	2.4 (8)	3.0 (10)	4.5 (15)	6.0 (20)
Max. Coverage Diameter	m (ft.)	9.6 (32)	12.0 (40)	18.0 (60)	24.0 (80)

**SEN-3-Lens-Aisle Aisle Way**

**Top View**

**Side View**

Mounting Height	m (ft.)	3.0 (10)	6.0 (20)	9.0 (30)	12.0 (40)
Max. Coverage Length x Width	m (ft.)	9.0 x 1 (30 x 3.3)	18.0 x 2 (60 x 6.5)	27.0 x 3 (90 x 10)	36.0 x 4 (120 x 13)

**SEN-3-Lens-HBH High Bay Extra High**

**Top View**

**Side View**

Mounting Height	m (ft.)	9.0 (30)	11.0 (36)	13.0 (43)	15.0 (49)
Max. Coverage Length x Width	m (ft.)	9.0 (30)	11.0 (36)	13.0 (43)	15.0 (49)