

PRODUCT TECHNICAL SPECIFICATIONS

PRODUCT	TRANSPARENT PIR LENS ARRAY, 24 SECTORS, <i>PET IMMUNE</i>	CODE	HV-82
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1. INTRODUCTION

PIR Fresnel lens array from HOLOVISION[®] are suitable for online monitoring as well as lighting automation applications.

2. SPECIFICATIONS

TRANSPARENT PIR ARRAY 24 SECTORS, *PET IMMUNE*

Product Code HV - 82

Field of View 115 °

Detection Range¹, m 13

Focal Length, mm 30

Radius of curvature, mm 30 - 60
Lens assembly²

Number of Sectors 24

Overall Dimension, mm 61 X 42

Installation Height³, m 2 - 3

Wall Installation Angle³ 0 - 15 °

Immune for small pets up to 50 cm height^{2,4}

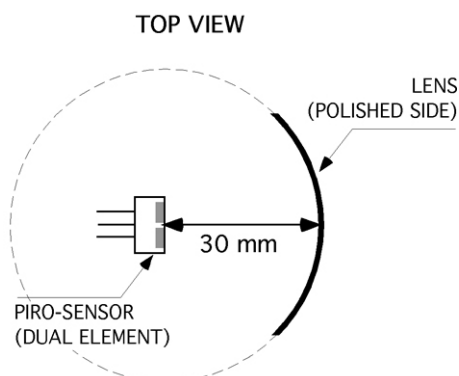
¹ radius of curvature equal to the focal distance
 PerkinElmer LHi878 pyro-sensor;
 electronic amplifier with ~75 dB gain.

² best performance: 2.1 m height

³ best performance: 15°

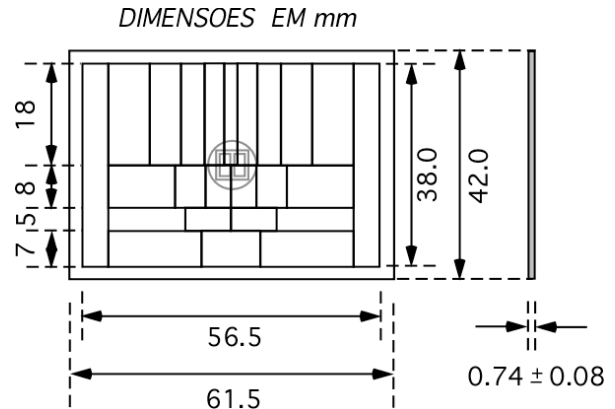
⁴ Installation angle: 0° ; (small pets up to 20 Kg).

4. LENS ASSEMBLY ON SENSOR



3. MECHANICAL DIMENSIONS

Pyrosensor is represented in the center.



5. DETECTION MAP (see note 1 beside)

Sensor installed at 2.1 m height, 15° tilt angle.

